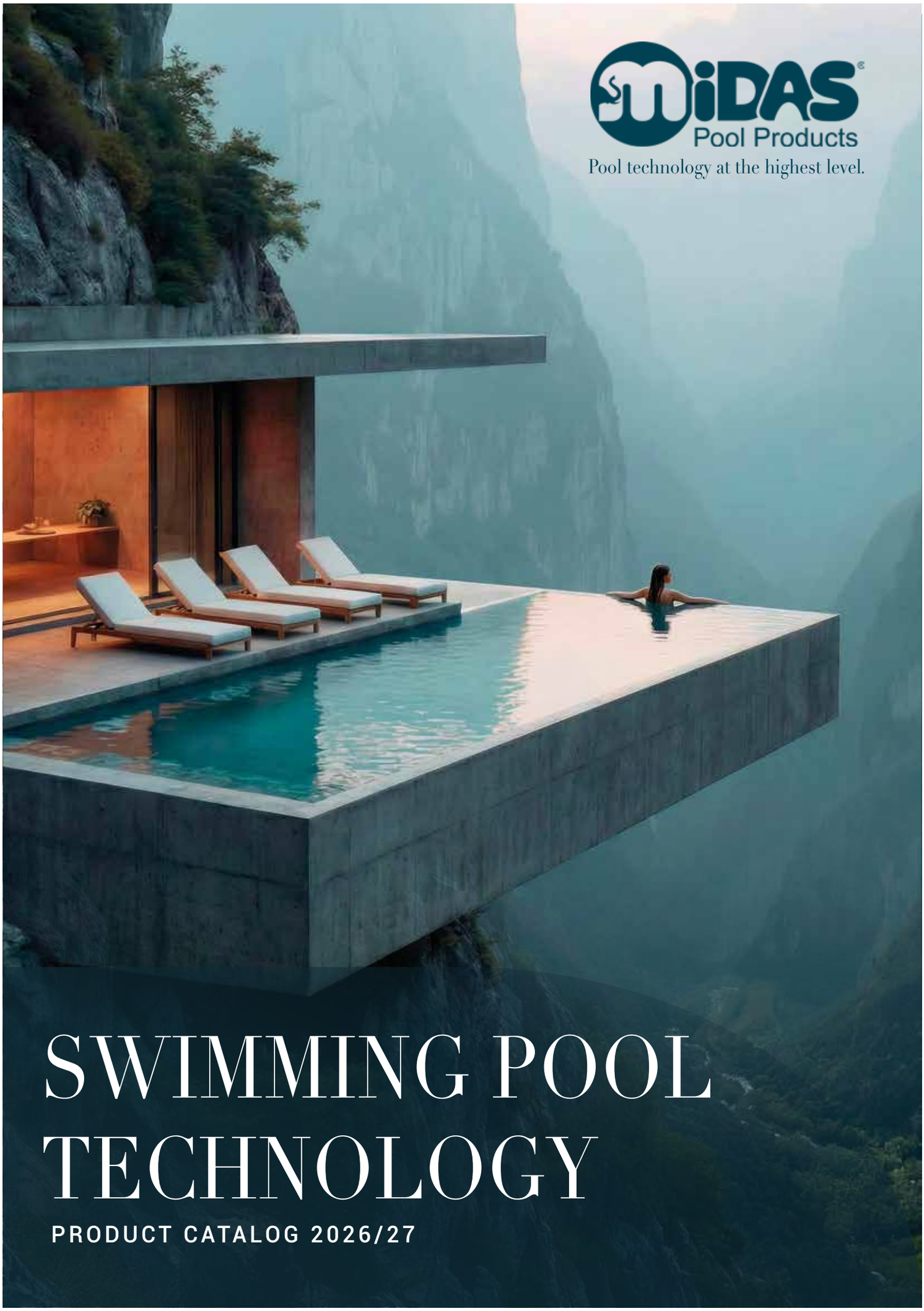


MiDAS Pool Products

Pool technology at the highest level.

# SWIMMING POOL TECHNOLOGY

PRODUCT CATALOG 2026/27

YOUR
PARTNER
FOR

Pool Products

# *PROFESSIONAL*

# POOL SYSTEMS.

Your personal discounts are waiting for you!

If you are interested, please send an email with the subject "personal discounts" to **export @midas-gmbh.de**.

# FOR THE LOVE OF THE ENVIRONMENT!

# MIDAS USES GREEN ELECTRICITY THANKS TO ITS OWN PHOTOVOLTAIC SYSTEM.

Energy efficiency is a top priority at MIDAS

At our company headquarters in Neuhof-Dorfborn we consistently focus on sustainable solutions – including our photovoltaic system, which reliably supplies both the main building and the entire warehouse with environmentally friendly electricity.

Energy savings are also becoming increasingly important in the swimming pool industry. Modern, innovative technologies now offer numerous opportunities to significantly reduce energy consumption. For this reason, we have specifically marked particularly energy-efficient products in our catalogue.

Simply look out for this symbol on the following pages!

**ENERGY-SAVING**

# 50TH ANNIVERSARY MID

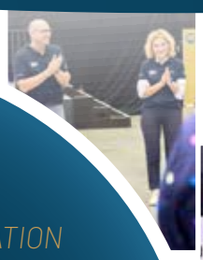
## *WE SAY THANK YOU!*

50 years of MIDAS Pool Products GmbH – half a century of innovation, commitment, and shared success. For all of this, we sincerely thank you: our employees for their daily passion, our customers for their trust and our partners for their reliable cooperation.
This anniversary is a moment to look back, but also to look ahead: with your energy, creativity and enthusiasm, we want to shape the future together and continue to achieve success.
We are proud to have you by our side –
and we look forward to everything that is yet to come.

## IN-HOUSE EXHIBITION

*INNOVATIONS & PRESENTATION*

For its 50th anniversary, MIDAS Pool Products GmbH opened its doors. Guests had the opportunity to discover the latest products and exchange ideas with suppliers, whose expertise greatly enriched the event. Ideas were shared, conversations inspired new thinking – creating a vibrant atmosphere full of energy and curiosity, marking the perfect start to the anniversary celebrations and a forward-looking perspective on the future.

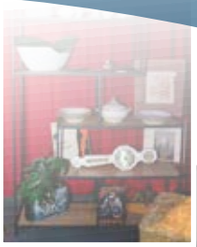


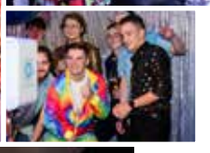
## REVIEW & THANKS

*MANAGEMENT*

The managing directors Marco Schneider and Elena Jakobson looked back on five decades of company history. They expressed their gratitude to employees, suppliers, partners and customers for their commitment, and provided an inspiring outlook on the years ahead.

DAS





## LIVE MUSIC & CELEBRATION

*BAND, DJ & DANCING*

A live band and a DJ created a fantastic atmosphere. Guests danced, laughed, and celebrated in a relaxed and joyful setting. The crowning highlight was an impressive fireworks display, making the evening truly unforgettable.

## EVENING EVENT

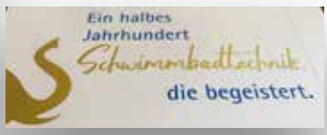
*BANQUET & NETWORKING*

At the festive dinner, enjoyment and conversation took centre stage. The buffet invited guests to linger, and they took the opportunity to deepen contacts and toast the anniversary.

# AQUANALE 2025 HIGHLIGHTS

The Aquanale 2025 was a truly special experience for us.
Our stand was consistently well attended and characterised by an open, positive atmosphere. Numerous valuable conversations with customers and partners made these days unforgettable for us.
The personal exchange, exciting encounters, and diverse perspectives inspired us and provided many new impulses, which we will carry into the future with great motivation.

After the successful **aquanale 2025**, we are looking forward to seeing you again this year at **GaLaBau** !



# WE WILL BE THERE!

15. - 18. SEPTEMBER 2026

GaLaBau

hall: 3A

stand: 427

# SAMPLE SYSTEMS FORM

Present innovation where your customers make decisions – directly in your showroom. With our demonstration systems, you receive selected products at particularly attractive special conditions for your showroom. This allows you to create a high-quality presentation environment and show your customers modern technology in real-world operation.

The selected demonstration systems must be displayed in your showroom for a period of 24 months.

Take the opportunity to enhance your showroom, strengthen consultation discussions, and make innovative solutions tangible.

<u>The following product categories are available for selection:</u>

- dosing systems
- heat pumps
- pumps
- pool cleaners
- filtration systems

Download the sample systems form now!

Stay one step ahead at all times: Have yourself added to our annual priority list for workshops and be among the first to receive new dates. This way, you can secure the best spots early and never miss any announcements again.

**Register now and receive exclusive advance information!**

# MIDAS WORKSHOPS 2027

# POOL SEASON 2026/27
# HIGHLIGHTS IN POOL TECHNOLOGY

Marco Schneider
*Owner, CEO*

Elena Jakobson
*Managing Director*

***Dear Customers,***

We are delighted and truly excited to present our new 2026/27 catalogue – your guide to modern pools full of style, innovation, and well-being. The new season is just around the corner, and following inspiring conversations with you, we are starting this exciting year with great optimism.

Our passion for exceptional design, smart technologies, and the highest quality drives us to continuously develop our product range and align it even more closely with your needs.

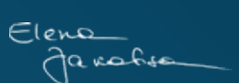
Excellence that inspires – pools that impress.

From proven classics to exciting new products: in this edition, you will discover materials, shapes, and features that transform pools into true oases of relaxation. Innovative, elegant, and functional at the same time – our products set new standards for comfort and style. Be inspired, explore creative systems, and experience what modern pool construction looks like today.

We look forward to shaping the 2026 season together with you – full of ideas, passion, and unforgettable moments.

Alongside our proven classics, you can also expect exciting innovations that take the pool experience to a whole new level.


**p. 18** filter tank MIDA.Calypso
**p. 54** circulation pump BADU EV2 Delta
**p. 56** circulation pump BADU EV1 Prime
**p. 82** dosing system MIDA.Sin Pro 2.0
**p. 86** dosing system MIDA.Sin NET+
**p. 92** salt electrolysis MIDA.Sin Salt 2.0
**p. 98** salt electrolysis MIDA.Sin Salt NET
**p. 126** heat pump MIDA.Perla
**p. 128** heat pump MIDA.Diva
**p. 130** heat pump MIDA.Cosma
**p. 173** pool liner Touch
**p. 200** technic box
**p. 236** lighting controller
**S. 244** FlowSonic+ & FlowSonic



**Marco Schneider**
*Owner, CEO*

**Elena Jakobson**
*Managing Director*

# YOUR CONTACT PERSON FOR

## *AUSTRIA, CROATIA, SLOVENIA, HUNGARY AND ROMANIA*


Attila Peter
*Field Sales Export*

attila.peter@midas-gmbh.de

Mobil +49 (0) 171 817 55 74

Mon–Thu: 8:00 AM–4:30 PM | Fri: 7:30 AM–4:00 PM

Internal Sales Department: +49 (0) 6655 90 230-0

E-Mail: verkauf@midas-gmbh.de

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- *Besgo valves*
- *Backwash units*
- *6-way valve*

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MIDAS Pool Products

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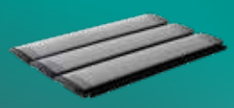

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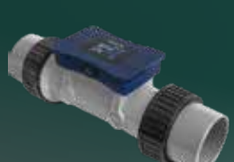
- *Adhesives & cleaners*
- *Accessories & tools*



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## MIDAS Notes & General Terms and Conditions

- *MIDAS Notes and General Terms and Conditions*

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# DESCRIPTION OF KEY FEATURES

EXCLUSIVE MIDAS — Items marked with the blue elephant symbol are either manufactured by or exclusively for MIDAS.

NEW — New Product at MIDAS!

ENERGY-SAVING — Highly energy-efficient products and product combinations

Authorized dealers may offer these products only at MIDAS RRP.

PRICE REDUCTION — Prices for these items have been reduced compared to last year.

Hazardous Goods Labeling

Freight-Intensive Additional Freight Charges

Chemicals

Full pack units only

# 01

# FILTERS & VALVES

*THE CORE COMPONENT FOR OPTIMAL WATER CIRCULATION AND CRYSTAL-CLEAR POOL WATER*

*A perfect pool begins at its core – and that core is the filtration system. The MIDA.filter unit, combined with the Besgo valve, ensures precise backwashing and a stable filtration process that reliably captures dirt particles – whether using filter glass or filter sand."*

*With the elegant Calypso series, you benefit from durable components, easy handling, and maximum hydraulic safety. This keeps your water crystal clear, hygienically clean, and ready for every swimming experience, while you can enjoy every moment in your pool with complete peace of mind.*

*MIDA.filter + Besgo valve or manual 6-way valve – the heart of your pool for perfect water quality and luxurious pool enjoyment.*

## OVERVIEW


**FILTER TANKS**

NEW P. 18 MIDA.Calypso
P. 20 MIDA.Apollo
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**BESGO VALVES**

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**BACKWASH UNIT**

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**6-WAY VALVES**

P. 38 1 ½" 6-way side-mount valve
P. 38 1 ½" 6-way top-mount valve
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P. 42 2" and 2 ½" 6-way side-mount valve
P. 43 3" and 4" 6-way side-mount valve

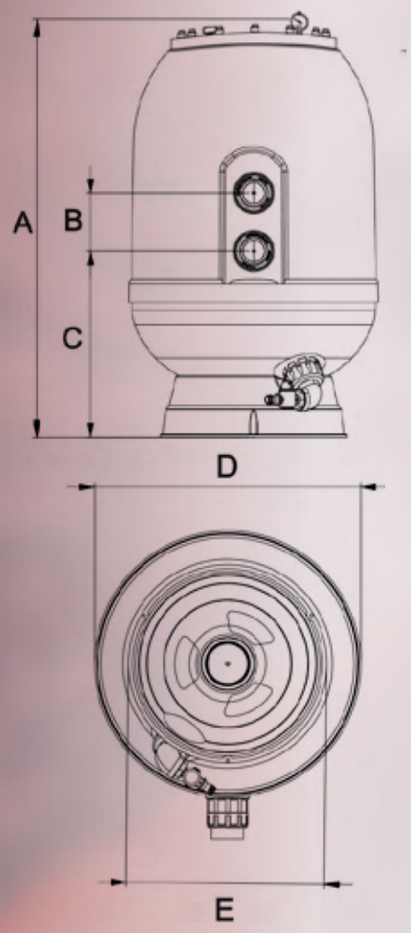
# FILTER TANKS

## MIDA.CALYPSO GRP FILTER TANK

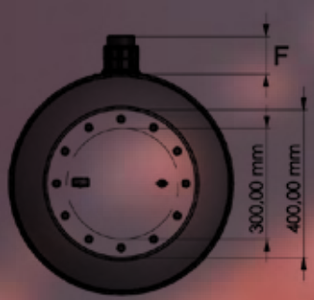
**NEW**
#732
#734
#735
#732-B
#734-B
#735-B

EXCLUSIVE MIDAS

- filter vessel with a 400 mm transparent lid and a 300 mm top opening for quick replacement of the filter media
- extended filter media bed height
- **including** 1 ½" 6-way valve (#310-C) **or** 1 ½" Besgo rod valve (#BE50125) for 500 mm, unassembled[1]
- **including** 2" 6-way valve (#320-C) **or** 2" Besgo rod valve (#BE63230) for 600 mm, 750 mm, and 900 mm, unassembled[1]
- **including** 2 ½" 6-way valve (#SM-25) **or** 2 ½" Besgo rod valve (#BE75270) for 900 mm, unassembled[1]
- **including** stainless steel V4A/AISI 316 pressure gauge and V4A/AISI 316 stainless steel pressure gauge adapter
- Screws and washers are made of stainless steel V4A/AISI 316 and the nuts are made of high-strength, corrosion-resistant material and nickel-plated brass
- top internal kit fitting for easy maintenance
- Ozone-resistant internal coating
- compliant with DIN EN 16713
- distribution system: filter star (0.25 mm filter finger opening)
- distance between connections:
  125 mm for 500 mm
  230 mm for 600 mm, 750 mm and 900 mm
  270 mm for 900 mm % 2 ½" connection
- residual water drainage
- drain valve kit with Gardena hose connection
- color: RAL 9003 Signal White
- test pressure: 2.5 bar
- max. operating temperature: +50°C
- max. operating pressure: 1.5 bar




DIN EN 16713 COMPLIANT




**large lid**
**Ø 400 mm transparent**

**We recommend the following filling:**

- 100 % glass media with a grain size of 0,5–1,0 mm
- 100 % sand with a grain size of 0,4–0,8 mm

alternatively:

- 90 % glass media with a grain size of 0,5–1,0 mm and 10 % glass media with a grain size 1,0–3,0 mm
- 90 % sand with a grain size of 0,4–0,8 mm and 10 % gravel with a grain size of 2,0–3,2 mm

| A | B | C | D | E | F | Article Number |
|---|---|---|---|---|---|---|
| 942 mm | 125 mm | 440 mm | 520 mm | 450 mm | 90 mm | 730 |
| 1000 mm | 230 mm | 420 mm | 620 mm | 450 mm | 90 mm | 731 |
| 1050 mm | 230 mm | 430 mm | 770 mm | 720 mm | 100 mm | 732 |
| 1100 mm | 230 mm | 450 mm | 930 mm | 720 mm | 100 mm | 734 |
| on request | on request | on request | on request | on request | on request | 735 |

| Diameter | Max. pool volume | Filter surface | Total Filling Capacity Amount of glass (0,5–1,0 mm) Grade 1* | Total Filling Capacity Amount of sand (0,4–0,8 mm)* | Volumetric flow at 30 – 50 m³/h | Weight | Article Number |
|---|---|---|---|---|---|---|---|
| 500 mm | 50 m³ | 0,22 m² | 100 kg | 125 kg | 6 - 10 m³/h | 27 kg | 730 |
| 600 mm | 80 m³ | 0,28 m² | 150 kg | 185 kg | 9,7 - 16 m³/h | 30 kg | 731 |
| 750 mm | 110 m³ | 0,44 m² | 240 kg | 300 kg | 13,2 - 22 m³/h | 40 kg | 732 |
| 900 mm | 160 m³ | 0,64 m² | 400 kg | 500 kg | 19,2 - 32 m³/h | 55 kg | 734 / 735 |



* Not included in the scope of delivery

Suitable filter pallet and filter drainage on page 30

Suitable valves from page 38

**MIDA.Calypso**
with Besgo valve

**INCLUDING ✓**
6-way valve and piping[1]

**from 600 mm tank version with 2" piping**

**tank 900 mm with 2" or 2 ½" piping**

Drain valve kit with shut-off valve & Gardena hose connection

| | Filter | PU | Article Number |
|---|---|---|---|
| | MIDA.Calypso 500 mm **including** 6-way valve 1 ½" | 8 filters per pallet | 730 |
| | MIDA.Calypso 600 mm **including** 6-way valve 2" | 8 filters per pallet | 731 |
| NEW | MIDA.Calypso 750 mm **including** 6-way valve 2" | 4 filters per pallet | 732 |
| NEW | MIDA.Calypso 900 mm **including** 6-way valve 2" | 2 filters per pallet | 734 |
| NEW | MIDA.Calypso 900 mm **including** 6-way valve 2 ½" | 2 filters per pallet | 735* |
| | MIDA.Calypso 500 mm **including** Besgo 1 ½" DN 40/d 50 | 8 filters per pallet | 730-B |
| | MIDA.Calypso 600 mm **including** Besgo 2" DN 50/d 63 | 8 filters per pallet | 731-B |
| NEW | MIDA.Calypso 750 mm **including** Besgo 2" DN 50/d 63 | 4 filters per pallet | 732-B |
| NEW | MIDA.Calypso 900 mm **including** Besgo 2" DN 50/d 63 | 2 filters per pallet | 734-B |
| NEW | MIDA.Calypso 900 mm **including** Besgo 2 ½" DN 65/d 75 | 2 filters per pallet | 735-B* |

* not a stock article, available on request.

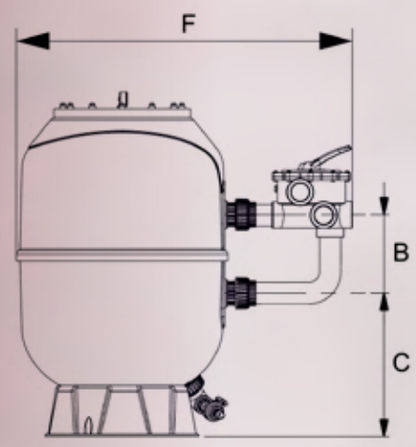
[1]Delivery in individual parts (not screwed or glued, adhesive and cleaner are not included in the scope of delivery)

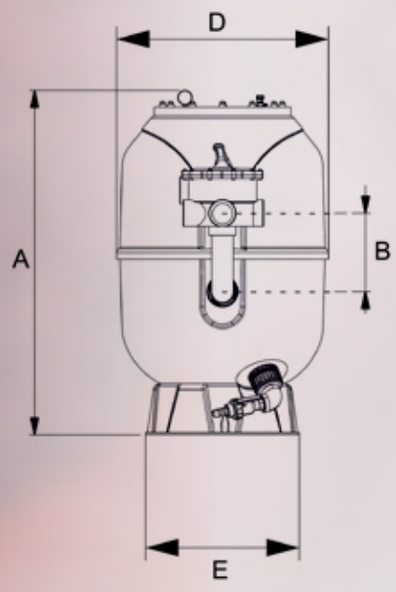
## MIDA.APOLLO GRP FILTER TANK

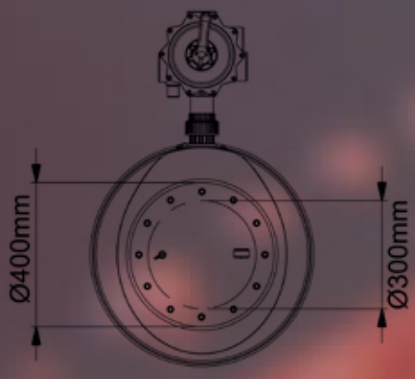
EXCLUSIVE MIDAS

- large lid with 400 mm diameter made of highly transparent 25 mm thick methacrylate
- extended filter media bed height
- **including** 1 ½" 6-way valve (#310-C) **or** 1 ½" Besgo rod valve (#BE50125) for 560 mm, unassembled[1]
- **including** 2" 6-way valve (#320-C) **or** 2" Besgo rod valve (#BE63230) for 630 mm, 780 mm, 930 mm, unassembled[1]
- **including** stainless steel V4A/AISI 316 pressure gauge and V4A/AISI 316 stainless steel pressure gauge adapter
- screws and washers are made of stainless steel V4A/AISI 316 and the nuts are made of high-strength, corrosion-resistant and nickel-plated brass
- top internal kit fitting for easy maintenance
- Ozone-resistant internal coating
- compliant with DIN EN 16713
- distribution system: filter star (0.25 mm filter finger opening)
- distance between connections:
  125 mm for 560 mm
  230 mm for 630 + 780 + 930 mm
- residual water drainage
- drain valve kit with Gardena hose connection
- color: RAL 9003 Signal White
- test pressure: 2.5 bar
- max. operating temperature: +50°C
- max. operating pressure: 1.5 bar

DIN EN 16713 COMPLIANT




**large lid**
**Ø 400 mm transparent**

**We recommend the following filling:**

- 100 % glass media with a grain size of 0,5–1,0 mm
- 100 % sand with a grain size of 0,4–0,8 mm

alternatively:

- 90 % glass media with a grain size of 0,5–1,0 mm and 10 % glass media with a grain size 1,0–3,0 mm
- 90 % sand with a grain size of 0,4–0,8 mm and 10 % gravel with a grain size of 2,0–3,2 mm

| A | B | C | D | E | F | Article Number |
|---|---|---|---|---|---|---|
| 942 mm | 125 mm | 440 mm | 560 mm | 450 mm | 825 mm | 756 |
| 1000 mm | 230 mm | 420 mm | 630 mm | 450 mm | 950 mm | 757 |
| 1050 mm | 230 mm | 430 mm | 780 mm | 650 mm | 1100 mm | 758 |
| 1100 mm | 230 mm | 450 mm | 930 mm | 650 mm | 1250 mm | 759 |

| Diameter | Max. pool volume | Filter surface | Total Filling Capacity Amount of glass (0,5–1,0 mm) Grade 1* | Total Filling Capacity Amount of sand (0,4–0,8 mm)* | Volumetric flow at 30 – 50 m³/h | Weight | Article Number |
|---|---|---|---|---|---|---|---|
| 560 mm | 50 m³ | 0,22 m² | 100 kg | 125 kg | 6,6 – 11 m³/h | 22 kg | 756 |
| 630 mm | 80 m³ | 0,28 m² | 150 kg | 185 kg | 8,4 – 16 m³/h | 25 kg | 757 |
| 780 mm | 110 m³ | 0,44 m² | 240 kg | 300 kg | 13 – 22 m³/h | 37 kg | 758 |
| 930 mm | 160 m³ | 0,64 m² | 400 kg | 500 kg | 19,2 – 32 m³/h | 43 kg | 759 |



* Not included in the scope of delivery

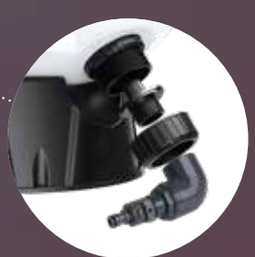
## MIDA.Apollo
with Besgo valve

Suitable filter pallet and filter drainage on page 30

Suitable valves from page 38

**INCLUDING ✓**
6-way valve and piping[1]

**from 630 mm tank version with 2" piping**



Drain valve kit with shut-off valve & Gardena hose connection

| Filter | PU | Article Number |
|---|---|---|
| MIDA.Apollo 560 mm **including** 6-way valve 1 ½" | 8 filters per pallet | 756 |
| MIDA.Apollo 630 mm **including** 6-way valve 2" | 8 filters per pallet | 757 |
| MIDA.Apollo 780 mm **including** 6-way valve 2" | 4 filters per pallet | 758 |
| MIDA.Apollo 930 mm **including** 6-way valve 2" | 2 filters per pallet | 759 |
| MIDA.Apollo 560 mm **including** Besgo 1 ½" DN 40/d 50 | 8 filters per pallet | 756-B |
| MIDA.Apollo 630 mm **including** Besgo 2" DN 50/d 63 | 8 filters per pallet | 757-B |
| MIDA.Apollo 780 mm **including** Besgo 2" DN 50/d 63 | 4 filters per pallet | 758-B |
| MIDA.Apollo 930 mm **including** Besgo 2" DN 50/d 63 | 2 filters per pallet | 759-B |

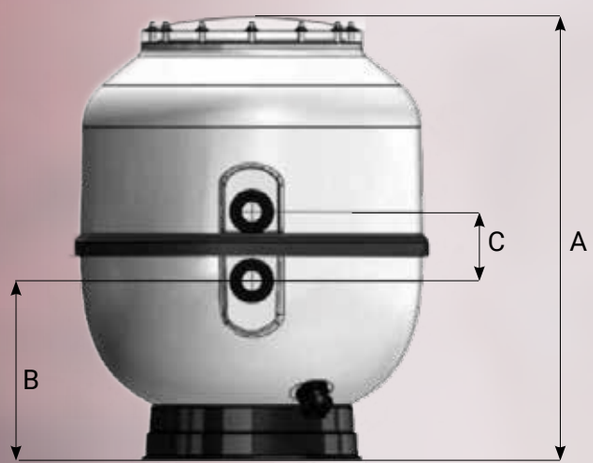
[1]Delivery in individual parts (not screwed or glued, adhesive and cleaner are not included in the scope of delivery)

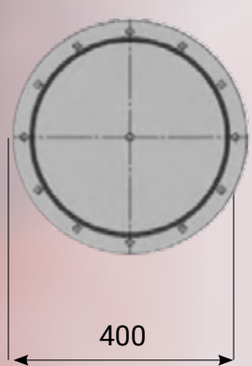
# MIDA.CARBON PREMIUM GRP FILTER TANK

EXCLUSIVE MIDAS

PRICE REDUCTION
#715-B
#716-B

- filter vessel with 400 mm transparent lid and 300 mm opening at the top for quick replacement of the filter media
- made of high-quality glass-fiber reinforced plastic (GRP)
- with UV-resistant gel-coat coating
- **including** 1½" 6-way valve (#310-C, side-mount, color: black), **or** 1½" Besgo rod valve (#BE50125)
- **including** pressure gauge up to 4 bar, ¼" and 1/8" reduction made of nickel-plated brass
- **including** air vent screw and large 1¼" drain valve
- internal parts made of PP, ABS, and PVC
- all installed screws are made of stainless steel V2A and the nuts are made of high-strength, corrosion-resistant, and nickel-plated brass
- distribution system: filter star (0.3 mm filter finger opening)
- distance between connections: 125 mm
- color: RAL 9001 Cream White
- filter base made of reinforced plastic
- test pressure: 2.5 bar
- max. operating temperature: +42°C
- filter pallet: optional



## We recommend the following filling:

- 100 % glass media with a grain size of 0,5–1,0 mm
- 100 % sand with a grain size of 0,4–0,8 mm

alternatively:

- 90 % glass media with a grain size of 0,5–1,0 mm and 10 % glass media with a grain size 1,0–3,0 mm
- 90 % sand with a grain size of 0,4–0,8 mm and 10 % gravel with a grain size of 2,0–3,2 mm

| A | B | C | Article Number |
|---|---|---|---|
| 687 mm | 285 mm | 125 mm | 715 |
| 777 mm | 325 mm | 125 mm | 716 |

| Diameter | Max. pool volume | Filter surface | Total Filling Capacity Amount of glass (0,5–1,0 mm) Grade 1* | Total Filling Capacity Amount of sand (0,4–0,8 mm)* | Volumetric flow at 30 – 50 $m^3/h$ | Weight | Article Number |
|---|---|---|---|---|---|---|---|
| 500 mm | 50 $m^3$ | 0,20 $m^2$ | 80 kg | 100 kg | 6 – 10 $m^3/h$ | 20 kg | 715 |
| 600 mm | 70 $m^3$ | 0,28 $m^2$ | 140 kg | 175 kg | 8 – 14 $m^3/h$ | 24 kg | 716 |



* Not included in the scope of delivery

Suitable filter pallet and filter drainage on page 30

Suitable valves from page 38

## MIDA.Carbon Premium with Besgo valve

**INCLUDING ✓**

6-way valve and piping[1]

| Filter | PU | Article Number |
|---|---|---|
| MIDA.Carbon Premium 500 mm **including** 6-way-valve 1 ½“ | 8 filters per pallet | 715 |
| MIDA.Carbon Premium 600 mm **including** 6-way-valve 1 ½“ | 8 filters per pallet | 716 |
| MIDA.Carbon Premium 500 mm **including** Besgo 1 ½“ DN 40/d 50 | 8 filters per pallet | 715-B |
| MIDA.Carbon Premium 600 mm **including** Besgo 1 ½“ DN 40/d 50 | 8 filters per pallet | 716-B |

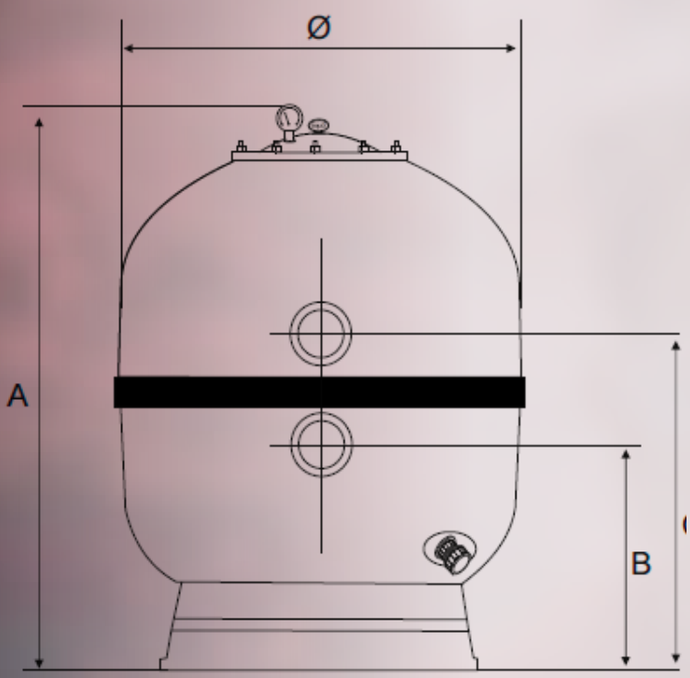
[1]Delivery in individual parts (not screwed or glued, adhesive and cleaner are not included in the scope of delivery)

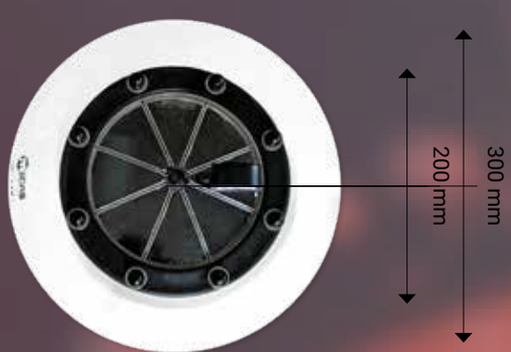
## MIDA.CARBON GRP FILTER TANK

EXCLUSIVE MIDAS

PRICE REDUCTION
#718-B
#719-B
#720-B
#721-B

- filter vessel with 300 mm transparent lid and 200 mm top filling opening
- made of high-quality glass fiber reinforced plastic (GRP
- **including** 1 ½" 6-way valve (#310-C) **or** 1 ½" Besgo rod valve (#BE50125) for 500 and 600 mm, unassembled[1]
- **including** 2" 6-way valve (#320-C) **or** 2" Besgo rod valve (#BE63230) for 750 and 900 mm, unassembled[1]
- **including** pressure gauge up to 4 bar, with ¼" and 1/8" reduction, made of nickel-plated brass
- **including** air vent screw and large 1¼" drain valve
- **including** movable inlet head for easy filling (removable internally via threaded connection)
- internal components made of PP, ABS and PVC
- all installed screws are made of stainless steel V2A/AISI 304 and the nuts are made of high-strength, corrosion-resistant, nickel-plated brass
- distribution system: filter star (0.3 mm filter finger opening)
- connections: DN40/d50 mm / DN50/d63 mm
- distance between connections:
  125 mm for 500 + 600 mm
  230 mm for 750 + 900 mm
- color: RAL 9001 cream white
- Filter base made of reinforced plastic
- test pressure: 2.5 bar
- max. operating temperature: +42°C
- Operating pressure: nominal 1.5 bar, max. 2.5 bar




**We recommend the following filling:**

- 100 % glass media with a grain size of 0,5–1,0 mm
- 100 % sand with a grain size of 0,4–0,8 mm

alternatively:

- 90 % glass media with a grain size of 0,5–1,0 mm and 10 % glass media with a grain size 1,0–3,0 mm
- 90 % sand with a grain size of 0,4–0,8 mm and 10 % gravel with a grain size of 2,0–3,2 mm

| A | B | C | Article Number |
|---|---|---|---|
| 710 mm | 285 mm | 410 mm | 718 |
| 780 mm | 335 mm | 460 mm | 719 |
| 910 mm | 320 mm | 550 mm | 720 |
| 1050 mm | 350 mm | 580 mm | 721 |

| Diameter | Max. pool volume | Filter surface | Total Filling Capacity Amount of glass (0,5–1,0 mm) Grade 1* | Total Filling Capacity Amount of sand (0,4–0,8 mm)* | Volumetric flow at 30 – 50 m³/h | Weight | Article Number |
|---|---|---|---|---|---|---|---|
| 500 mm | 50 m³ | 0,20 m² | 80 kg | 100 kg | 6 – 10 m³/h | 18 kg | 718 |
| 600 mm | 70 m³ | 0,28 m² | 140 kg | 175 kg | 8 – 14 m³/h | 22 kg | 719 |
| 750 mm | 100 m³ | 0,44 m² | 240 kg | 300 kg | 13 – 22 m³/h | 30 kg | 720 |
| 900 mm | 150 m³ | 0,64 m² | 400 kg | 500 kg | 19 – 32 m³/h | 48 kg | 721 |



* Not included in the scope of delivery

Suitable filter pallet and filter drainage on page 30

Suitable valves from page 38

## MIDA.Carbon with Besgo valve

**INCLUDING ✓**
6-way valve and piping[1]

| Filter | PU | Article Number |
|---|---|---|
| MIDA.Carbon 500 mm **including** 6-way valve 1 ½“ | 8 filters per pallet | 718 |
| MIDA.Carbon 600 mm **including** 6-way valve 1 ½“ | 8 filters per pallet | 719 |
| MIDA.Carbon 750 mm **including** 6-way valve 2“ | 4 filters per pallet | 720 |
| MIDA.Carbon 900 mm **including** 6-way valve 2“ | 2 filters per pallet | 721 |
| MIDA.Carbon 500 mm **including** Besgo 1 ½“ DN 40/d 63 | 8 filters per pallet | 718-B |
| MIDA.Carbon 600 mm **including** Besgo 1 ½“ DN 40/d 63 | 8 filters per pallet | 719-B |
| MIDA.Carbon 750 mm **including** Besgo 2“ DN 50/d 63 | 4 filters per pallet | 720-B |
| MIDA.Carbon 900 mm **including** Besgo 2“ DN 50/d 63 | 2 filters per pallet | 721-B |

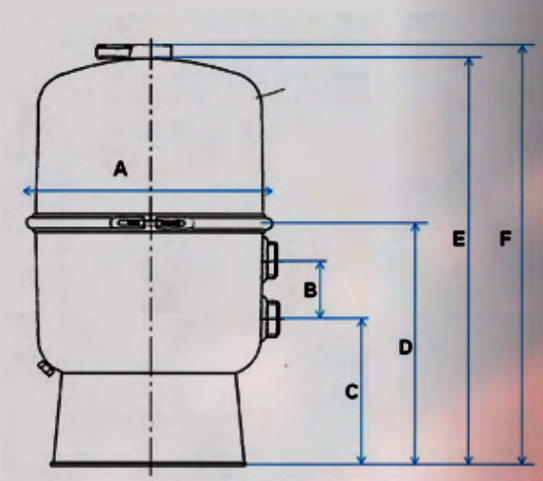
[1]Delivery in individual parts (not screwed or glued, adhesive and cleaner are not included in the scope of delivery)

## MIDA.SPLIT PP FILTER TANK

EXCLUSIVE MIDAS

- high-quality filter made of glass-fiber reinforced polypropylene
- two-piece version
- UV protection against fading
- **including** black stainless steel clamping ring for service-friendly opening
- **inklusive** 1 ½" 6-way valve (#310-3TSB), unassembled[1]
  **or** 1 ½" Besgo rod valve (#BE50125), unassembled[1]
- **including** ⅜" complete air vent
- **including** drain valve (all ½" for 400 mm, as well as 500 + 600 mm)
- all installed screws are made of stainless steel V2A/AISI 304
- distribution system: filter star
- DN40/d50 mm connections
- distance between connections: 102 mm
- color: RAL 5024 Pastel Blue
- operating pressure: nominal: 1.3 bar, max.: 1.8 bar
- filter pallet: optional

**✓ INCLUDING**
6-way-valve and piping[1]




**We recommend the following filling:**

- 100 % glass media with a grain size of 0,5–1,0 mm
- 100 % sand with a grain size of 0,4–0,8 mm

alternatively:

- 90 % glass media with a grain size of 0,5–1,0 mm and 10 % glass media with a grain size 1,0–3,0 mm
- 90 % sand with a grain size of 0,4–0,8 mm and 10 % gravel with a grain size of 2,0–3,2 mm

| A min. | A max. | B | C | D | E | F | Article Number |
|---|---|---|---|---|---|---|---|
| 440 mm | 470 mm | 102 mm | 264 mm | 426 mm | 713 mm | 754 mm | 751 |
| 547 mm | 580 mm | 102 mm | 300 mm | 461 mm | 783 mm | 825 mm | 753 |
| 652 mm | 670 mm | 102 mm | 372 mm | 555 mm | 979 mm | 1022 mm | 755 |

| Diameter | Total Height | Max. pool volume | Filter surface | Total Filling Capacity Amount of glass (0,5–1,0 mm) Grade 1* | Total Filling Capacity Amount of sand (0,4–0,8 mm)* | Volumetric flow at 30 – 50 m³/h | Weight | Article Number |
|---|---|---|---|---|---|---|---|---|
| 400 mm | 725 mm | 30 m³ | 0,126 m² | 40 kg | 50 kg | 4 – 6 m³/h | 8,7 kg | 751 |
| 500 mm | 830 mm | 50 m³ | 0,196 m² | 70 kg | 90 kg | 6 – 10 m³/h | 14,0 kg | 753 |
| 600 mm | 1080 mm | 60 m³ | 0,283 m² | 96 kg | 120 kg | 8 – 14 m³/h | 21,2 kg | 755 |



* Not included in the scope of delivery

Suitable filter pallet and filter drainage on page 30

Suitable valves from page 38

**MIDA.Split with**
Besgo valve
and Besgo piping kit

| Filter | PU | Article Number |
|---|---|---|
| MIDA.Split 400 mm **including** 6-way-valve 1 ½“ | 10 Filter je Palette | 751 |
| MIDA.Split 500 mm **including** 6-way-valve 1 ½“ | 8 Filter je Palette | 753 |
| MIDA.Split 600 mm **including** 6-way-valve 1 ½“ | 4 Filter je Palette | 755 |
| MIDA.Split 400 mm **inklusive** Besgo 1 ½“ DN 40/d 50 und Verrohrungssatz | 10 Filter je Palette | 751-B |
| MIDA.Split 500 mm **inklusive** Besgo 1 ½“ DN 40/d 50 und Verrohrungssatz | 8 Filter je Palette | 753-B |
| MIDA.Split 600 mm **inklusive** Besgo 1 ½“ DN 40/d 50 und Verrohrungssatz | 4 Filter je Palette | 755-B |

## PIPING SET
FOR MIDA.SPLIT FILTER TANK

*NEW*

#751-E20
#755-E20

**Piping kit for Besgo rod valve**
suitable for retrofitting existing MIDA.Split filters

#310-E19
#310-E19-600

| Artikel | for Mida.Split | Article Number |
|---|---|---|
| Piping kit for MIDA.Split / Besgo valve, color gray | 400, 500 | 751-E20 |
| Piping kit for MIDA.Split / Besgo valve, color gray | 600 | 755-E20 |
| Piping kit for 310-3TSB, color: black, **including** 2x union nuts and 2 ¼" gaskets | 400, 500 | 310-E19 |
| Piping kit for 310-3TSB, color: black, **including** 2x union nuts and 2 ¼" gaskets | 600 | 310-E19-600 |

[1]Delivery in individual parts (not screwed or glued, adhesive and cleaner are not included in the scope of delivery)

## MIDA.MAUI PE SAND FILTER SYSTEM
WITH MIDAS 6-WAY VALVE #308-S

Suitable filter pallet and filter drainage on page 30

Suitable valves from page 38

PRICE REDUCTION
#MD-300
#MD-400
#MD-500
#MD-501

- high-quality filter unit with MIDAS 6-way valve #308-S
- hose **including** 2 stainless steel hose clamps V4A/AISI 316
- pressure gauge ¼"
- connection with hose d 38 mm
- with clamping ring
- max. operating pressure: 150 kPa / 21.75 psi / 1.5 bar
- factory pressure test: 300 kPa / 43.5 psi / 3.0 bar
- grain size quartz sand: 0.4–0.8 mm
  grain size filter glass: 0.5–1.0 mm
  (filter media not included in the scope of delivery)
- distribution system: filter star
- delivery: filter unassembled

color: RAL 5015 Sky Blue

**INCLUDING ✓**
6-way valve +
38 mm hose[1] + filter pallet

example image

### FILTER Ø 300 MM

| with pump | Power output | Filter performance | Total height | Max. pool volume | Filter surface | Total Filling glass Grade 1*** | Total Filling sand** | Volumetric flow at 30 – 50 m³/h | Article Number |
|---|---|---|---|---|---|---|---|---|---|
| MIDA.Pombi 4 | 0,25 kW | 4 m³/h* | 600 mm | 20 m³ | 0,071 m² | 16 kg | 20 kg | 2 – 4 m³/h | MD-300 |
| MIDA.Wave 4 | 0,18 kW | 4 m³/h* | 600 mm | 20 m³ | 0,071 m² | 16 kg | 20 kg | 2 – 4 m³/h | MM-300 |
| MIDA.Alpha 6 | 0,18 kW | 6 m³/h* | 600 mm | 20 m³ | 0,071 m² | 16 kg | 20 kg | 2 – 4 m³/h | MA-300 |

### FILTER Ø 400 MM

| with pump | Power output | Filter performance | Total height | Max. pool volume | Filter surface | Total Filling glass Grade 1*** | Total Filling sand** | Volumetric flow at 30 – 50 m³/h | Article Number |
|---|---|---|---|---|---|---|---|---|---|
| MIDA.Wave 6 | 0,30 kW | 6 m³/h* | 745 mm | 30 m³ | 0,126 m² | 40 kg | 50 kg | 4 – 6 m³/h | MM-400 |
| MIDA.Pombi 6 | 0,37 kW | 6 m³/h* | 745 mm | 30 m³ | 0,126 m² | 40 kg | 50 kg | 4 – 6 m³/h | MD-400 |
| MIDA.Alpha 6 | 0,18 kW | 6 m³/h* | 745 mm | 30 m³ | 0,126 m² | 40 kg | 50 kg | 4 – 6 m³/h | MA-400 |

### FILTER Ø 500 MM

| Total Filling glass | Power output | Filter performance | Total height | Max. pool volume | Filter surface | Total Filling glass Grade 1*** | Total Filling sand** | Volumetric flow at 30 – 50 m³/h | Article Number |
|---|---|---|---|---|---|---|---|---|---|
| | 0,55 kW | 8 m³/h* | 840 mm | 45 m³ | 0,196 m² | 60 kg | 75 kg | 6 – 10 m³/h | MD-500 |
| MIDA.Wave 8 | 0,40 kW | 8 m³/h* | 840 mm | 45 m³ | 0,196 m² | 60 kg | 75 kg | 6 – 10 m³/h | MM-500 |
| MIDA.Pombi 10 | 0,75 kW | 10 m³/h* | 840 mm | 45 m³ | 0,196 m² | 60 kg | 75 kg | 6 – 10 m³/h | MD-501 |
| MIDA.Alpha 8 | 0,25 kW | 8 m³/h* | 840 mm | 45 m³ | 0,196 m² | 60 kg | 75 kg | 6 – 10 m³/h | MA-500 |
| MIDA.Alpha 10 | 0,37 kW | 10 m³/h* | 840 mm | 45 m³ | 0,196 m² | 60 kg | 75 kg | 6 – 10 m³/h | MA-501 |
| MIDA.Wave 11 | 0,50 kW | 11 m³/h* | 840 mm | 45 m³ | 0,196 m² | 60 kg | 75 kg | 6 – 10 m³/h | MM-501 |

Other versions available upon request.



[1]Delivery in individual parts
* Pump capacity specified at 8 m water column / delivery without fixed piping
**0,4 - 0,8 mm grain size
*** 0,5 - 1,0 mm grain size

# OPTIONAL FILTER ACCESSORIES

## FILTER PALLETS

PRICE REDUCTION

Note: The selection of the filter pallet depends on the filter, the circulating pump, and the arrangement on the pallet itself.

#FP-750
#FP-1000

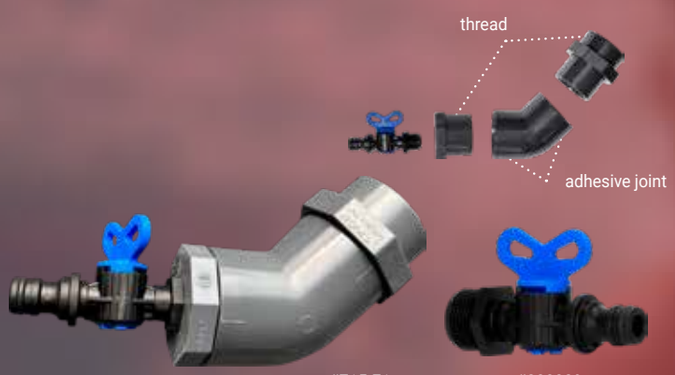
| Article | Article Number |
|---|---|
| filter pallet 750 x 500 x 35 mm | FP-750 |
| filter pallet 1000 x 550 x 55 mm | FP-1000 |

## FILTER DRAINAGE

EXCLUSIVE MIDAS

PRICE REDUCTION #715-E1

Practical set for easy filter drainage.
The set components are connected via glued fittings, ensuring a stable installation. The screw cap connection to the filter provides a secure and reliable seal.
Compatible with MIDA.Calypso, MIDA.Apollo, MIDA.Carbon Premium, MIDA.Carbon and MIDA.Carbon Pro.




#715-E1 #280329

| Article | Article Number |
|---|---|
| drainage set with shut-off valve* | 715-E1 |
| shut-off valve ½“ | 280329 |

* Supplied in individual parts (not glued)

## OPTIONAL ACCESSORIES FOR MIDA.MAUI

PRICE REDUCTION #MF-300 #MF-400 #MF-500

#MF-300 / #MF-400 / #MF-500

#MM-300-E4

#MM-E1

#MM-300-E31 / #MP-400

| Filter tank blue, single (including filter star / without valve, without piping, without filter pallet) | Article Number |
|---|---|
| Ø 300 mm | MF-300 |
| Ø 400 mm | MF-400 |
| Ø 500 mm | MF-500 |

| Spare parts | Article Number |
|---|---|
| drain tap for the MIDA.Maui filter system | MM-300-E4 |
| pressure gauge connection ¼“ for filters and 310 valves | MM-E1 |

| Filter pallets, color: black | Article Number |
|---|---|
| for filter Ø 300 mm (324 x 544 mm) | MM-300-E31 |
| for filter Ø 400 mm Ø 500 mm (500 x 733 mm) | MP-400 |

# FILTER MEDIA

## FILTER GLASS

EXCLUSIVE MIDAS

ENERGY-SAVING

Filter glass is an environmentally friendly and cost-efficient alternative to filter sand. It is made entirely from recycled glass, eliminating the need to mine and use scarce resources. Compared to sand, 20 % less material is required to fill a filter. Glass as a filter medium removes up to 30 % more pollutants than sand.

- 100 % recycled glass for crystal-clear water
- square, dried
- for efficient use
- sustainable and environmentally friendly
- more efficient backwashing processes thanks to easier loosening of dirt
- less maintenance compared to sand
- PU: pallet contains 50 bags of 20 kg each

#791

Grade 1

Grade 2

For MIDA.Calypso, MIDA.Apollo, MIDA.Carbon Premium, MIDA.Carbon & MIDA.Carbon Pro:
filter glass suitable for the ordered filter system is also available in individual bags, however only according to the filter fill quantities specified in the Midas catalogue.

| Filter material | Grain size (mm) | PU | Article Number |
|---|---|---|---|
| filter glass grade 1 | 0,5 - 1,0 | 50 bags | 791 |
| filter glass grade 2 | 1,0 - 3,0 | 50 bags | 792 |

Filter glass Grade 3 (3.0–6.0 mm grain size) available on request.

## FILTER SAND & FILTER GRAVEL

- standard filter medium
- according to DIN 4924 (well construction)/ EN12904 (drinking water treatment)
- washed, sieved and dried several times
- no sharp edges
- grain density 2.7 g/cm3
- bulk density 1.4 g/cm3
- free from organic impurities
- PU: pallet contains 40 bags of 25 kg each

| Filter material | Grain size (mm) | PU | Article Number |
|---|---|---|---|
| filter sand | 0,4 - 0,8 | 40 bags | 780 |
| filter sand | 0,7 - 1,2 | 40 bags | 785 |
| filter sand | 2,0 - 3,2 | 40 bags | 781 |

Filter sand with a grain size of 3.2 - 5.6 mm available on request.

# VALVES

## 1 ½“, 2“ AND 2 ½“ BESGO 5-WAY VALVE

### for filtering and backwashing

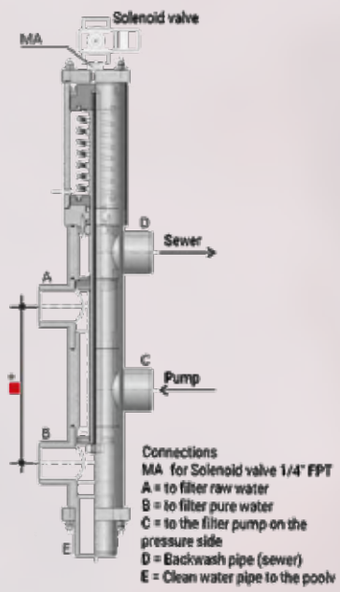
5-way automatic backwash valve for operation with water or air pressure (3-5 bar) made of PVC with internal parts made of V4A/AISI 316 stainless steel (1.4571) and ozone-resistant seals made of Viton/PTFE;
almost maintenance-free

- Switching can be carried out without switching off the filter pump.
- **including** ³/₂ solenoid valve 230 V ¼“ with manual override,
- in 1¹/₂" with 125 mm center-to-center distance, 2" with 230 mm center-to-center distance, or 2¹/₂ " with 270 mm center-to-center distance

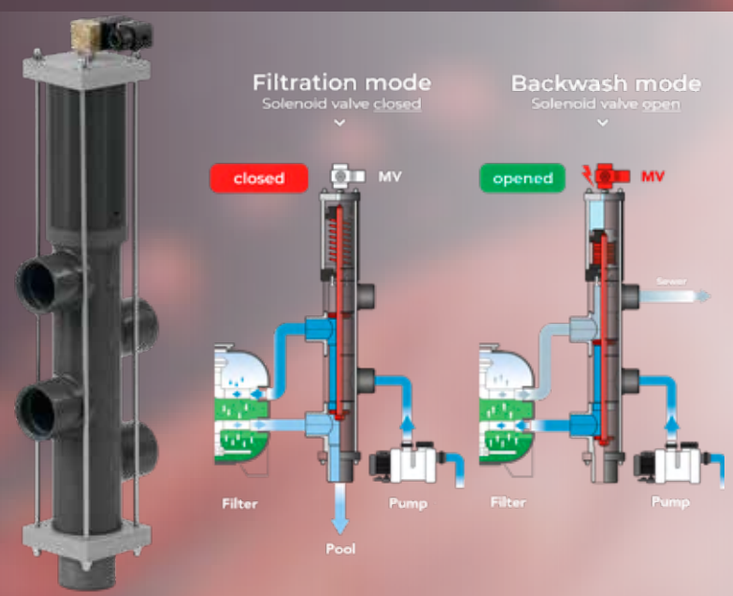
Connections can be rotated by 90°, making them very flexible and ideal for retrofitting.

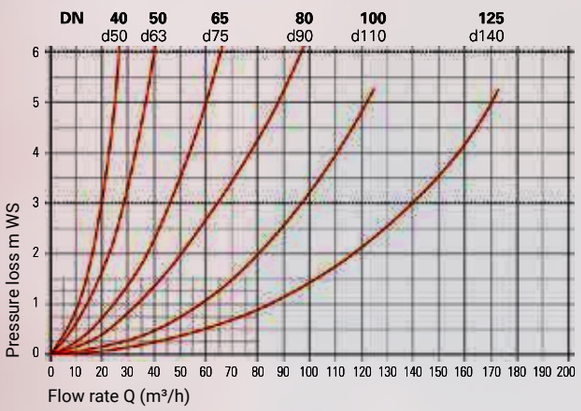
**Notes:**
1) In accordance with the Drinking Water Ordinance, a pipe interrupter of type A1 in accordance with DIN 1988/type C in accordance with DIN EN 1717 (available
on request) or a free outlet must be installed for the fresh water make-up supply.

2) When operating with water pressure, the installation of a fine filter (see installation unit #083710, on page 34) is mandatory to prevent contamination of the solenoid valve.




*Besgo standard dimensions
for standard commercial sand filters



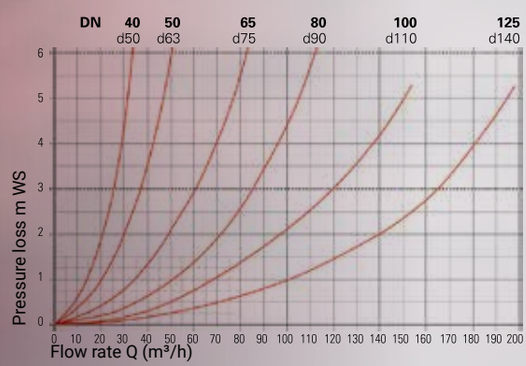




| Article | pitch | Article Number |
|---|---|---|
| 1 ½“ Besgo 5-way valve, DN 40/Ø 50 | 125 mm | BE50125 |
| 2“ Besgo 5-way valve, DN 50/Ø 63 | 230 mm | BE63230 |
| 2 ½" Besgo 5-way valve, DN 65/Ø 75 | 270 mm | BE75270 |

Other sizes/versions available on request.

## 1 ½“, 2“ AND 2 ½“ BESGO 3-WAY VALVE

3-way valve, **including** ³/₂ solenoid valve, 230 V, ¼”, with manual override, for switching between two water features or the suction line (overflow channel/skimmer and main drain).
For further details, see page 32



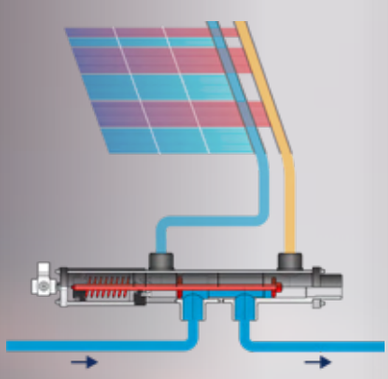

| Article | Article Number |
|---|---|
| 1 ½“ Besgo 3-way valve, DN 40 /Ø 50 | BE50-3 |
| 2“ Besgo 3-way valve, DN 50/Ø 63 | BE63-3 |
| 2 ½“ Besgo 3-way valve, DN 65/Ø 75 | BE75-3 |

Other sizes/versions available on request.

## 1 ½“ BESGO SOLAR 4-WAY VALVE

4-way valve, **including** ³/₂-way solenoid valve (230 V), ¼" female thread, with manual override.
For switching the bypass to the solar heating system.

- For silent switching to the solar system
- low pressure loss compared to other valves
- solar absorber system does not drain during switching, enabling more efficient water heating.
  For the remaining description, see page 32.



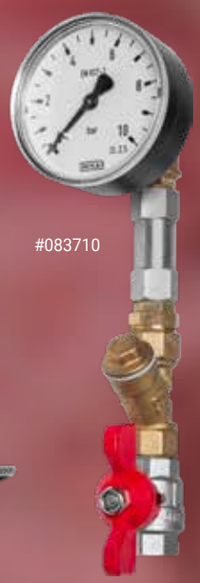
| Article | Article Number |
|---|---|
| 1 ½“ Besgo solar 4-way valve, DN 40/Ø 50 | BE50-SO |

Other sizes/versions available on request.

## INSTALLATION UNIT

**for operation of the Besgo valve via operating pressure water**

Consisting of: pressure gauge 0-10 bar,
check valve, fine filter and tap



#083710

| Article | Article Number |
|---|---|
| 3/8“ female thread installation unit | 083710 |

## COMPRESSOR

**for operation of the Besgo valve via operating pressure air**

energy-saving, oil-free and maintenance-free compressor,
**including** 3 liter air tank for even pressure, very quiet with only 45 dB(A) and vibration damping thanks to 4 rubber feet, **including** mains switch and motor protection switch, pressure regulator, air filter and pressure gauge,
**connection 1/8" M** (8 mm) 230 V, 115 W, cable cross-section 3 x 0.75 mm2,
900 l/h, max. pressure 4.5 bar

Weight: 3.4 kg, cable length: 1.7 m, dimensions: 22.5 x 30 x 13.5 cm

#BEKOMP3

| Article | Article Number |
|---|---|
| compressor | BEKOMP3 |

## CONNECTION KIT FOR COMPRESSOR

**083701 - for 1 Besgo valve,
consisting of:**

1x ball valve ¼“ female thread,
2x screw fittings,
10 m PE hose 6x4 mm
1x ⅛" F with 6 mm push-in connection

#083701

**083702 - for 2 Besgo valves,
consisting of:**

1x ball valve ¼“ female thread,
3x screw fittings, 1x T-fittings,
10 m PE hose 6x4 mm
1x ⅛" F with 6 mm push-in connection

#083702

**083703 - for 3 Besgo valves,
consisting of:**

1x ball valve ¼“ female thread,
3x screw fittings, 2x T-fittings,
10 m PE hose 6x4 mm
1x ⅛" F with 6 mm push-in connection

#083703

| Article | Quantity Besgo | Article Number |
|---|---|---|
| ¼“ connection kit | 1 | 083701 |
| ¼“ connection kit | 2 | 083702 |
| ¼“ connection kit | 3 | 083703 |

# AUTOMATIC BACKWASH UNIT

## SPECK BADU OMNITRONIC AUTOMATIC BACKWASH UNIT

ENERGY-SAVING

**BADU Omnitronic is a time-saving alternative to conventional manual backwashing.**
**The modern tap not only revolutionizes water consumption, but also ease of use.**

**Time savings through automation**
Instead of the traditional manual backwashing, the Omnitronic automatically handles this process, ensuring maximum time savings.

**Digital intuitive display**
The intuitive multilingual (DE, EN, ES, FR, IT, NL, PL, CS, RU, HU, TR, LV) full-text display allows you to view all settings at a glance and adjust them according to your preferences.

**Battery operation in case of power failure**
Thanks to a battery-powered option, there is no risk of losing the set backwash time or the current time in the event of a power failure.

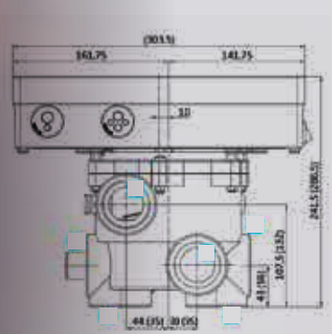
**Timer function**
The integrated timer allows the circulation to be carried out after up to three predefined periods (time and speed level). This function not only enhances efficiency but also ensures that the system is always in optimal condition.

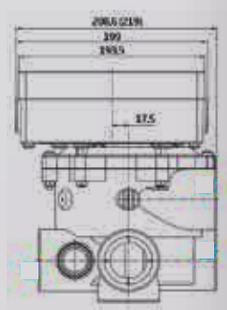
**Individual settings for backwash and rinse duration**
The backwash and rinse duration can be adjusted according to individual needs. The Omnitronic offers the flexibility to set these parameters separately, optimizing water consumption and maximizing the effectiveness of the flushing process.

**Frost protection**
This function allows the forced activation of the filter pump after reaching a preset outdoor temperature. The desired speed of the variable-speed pump can also be set.

**Level control**
**Includes** water level control and topping up via float switch or conductive sensors. A small additional circuit board is required for this. This function can be used for up to 3 pools. Optionally, the control can also be used for overflow basins (surge tanks).

Voltage 230 V, protection class IPX4





| Article | Article Number |
|---|---|
| BADU Omnitronic with BADU Mat R 41/3 A, 1½" | BAO-1 |
| BADU Omnitronic with BADU Mat R 51/3 A, 2" | BAO-2 |
| temperature sensor with 5m cable and PVC holder | BAO-1.4 |
| conductive sensor with 25 m cable | BAO-1.2 |
| additional circuit board for conductive sensor | BAO-1.3 |
| float switch with 10 m cable | M-065-1 |

# MIDA.MAT

## CLEVER AND PERFECT SOLUTION FOR EACH POOL(-PROFESSIONAL)

**AUTOMATIC BACKWASH VALVE MIDA.MAT**

Innovative and trend-setting MIDAS development - including over 40 years of experience.

- regulates filtering, backwashing, after-rinsing and draining automatically
- circulation: countdown up to 3 days!
- digital filter control – up to 2 times a day
- regulation of several valves with one control possible
- suitable for all MIDAS 1½“ and 2” classic line valves
- color: white or black
- available in 85–264 VAC, 47–440 Hz
- splash-proofed housing (IP 65)
- working pressure: 1½“ valves: 1,5 bar, 2“ valves: 2 bar

| Function | Full automatic | Half automatic |
|---|---|---|
| automatic filter | ✓ | ✓ |
| automatic backwash | ✓ | ✓ |
| automatic rinse | ✓ | ✓ |
| free programmable times | ✓ | – |
| pressure control mechanically | – | ✓ |
| pressure control electronic | ✓ | – |
| timed backwashing | ✓ | – |
| backwashing pressure controlled | ✓ | ✓ |
| auto. stop of the pump before position change | ✓ | ✓ |
| relay and timer | - | ✓ |
| circulation: countdown up to 3 days | ✓ | – |
| battery-powered option during power failure | ✓ | – |
| digital display | ✓ | – |
| operation log | ✓ | – |
| error memory | ✓ | – |
| real-time clock | ✓ | – |
| control of multiple valves | ✓ | – |
| individual special made solutions possible | ✓ | ✓ |

**ADVANTAGES:**

- ✓ individually programmable times for operating and backwashing the filter
- ✓ backwash: controlled by time AND pressure
- ✓ pressure setting via electronic controlled sensor – precision 0,1 bar
- ✓ battery operation in case of power cut – no emptying of the pool
- ✓ automatic stop of the pump before position change
- ✓ operation log
- ✓ error memory
- ✓ digital display
- ✓ real-time clock
- ✓ shock-resistant,
- ✓ easy to install

| Article | PU | Weight | Article Number |
|---|---|---|---|
| 1 ½“ side mount #310-3T*, color: white | 1 | 4,3 kg | 310-MA |
| 2“ side mount #320-3T*, color: white | 1 | 7,8 kg | 320-MA |

Other sizes/versions available on. request

# HALF AUTOMATIC BACKWASH VALVE

## MIDA.MAT
SIDE MOUNT HALF AUTOMATIC BACKWASH

- automatic backwashing and rinsing
- adjustable backwash and rinse time (backwash: 0.5-4.0 min. rinse: 20-40 sec.)
- pressure-controlled – mechanical sensor
- optional in the cycle of 7 days
- automatic pump stop before position change
- relay and timer
- easy to install
- shock-resistant, splash-proof housing (IP 65)
- available in 115/230 Volt, 50/60Hz
- working pressure: 1½“ valves 1,5 bar / 2“ valves 2 bar

1½“ SIDE MOUNT #310-AN

2“ SIDE MOUNT #320-AN

| Article | PU | Weight | Article Number |
|---|---|---|---|
| 1 ½“ side mount #310-3T, color: white | 1 | 4,3 kg | 310-AN |
| 1 ½“ side mount #310-3TSB, color: black | 1 | 4,3 kg | 310-ANB |
| 2“ side mount #320-3T, color: white | 1 | 5,8 kg | 320-AN |
| 2“ side mount #320-3TSB, color: black | 1 | 5,8 kg | 320-ANB |

## HYDRAULIC SAFETY VALVE
IN THE DRAIN

- pipe connections: Ø 50 mm slip connection
- voltage: 24 VAC
- current consumption: 0.125 A
- working pressure: 0.2-3 bar
- flow: 0.5 m3/h -14 m3/h

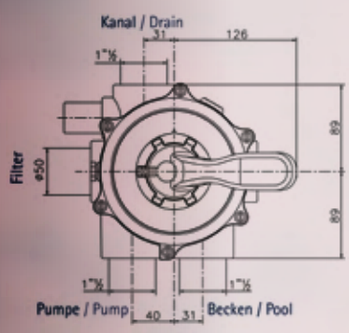
| Article | PU | Weight | Article Number |
|---|---|---|---|
| hydraulic safety valve | 1 | 0,5 kg | 303 |

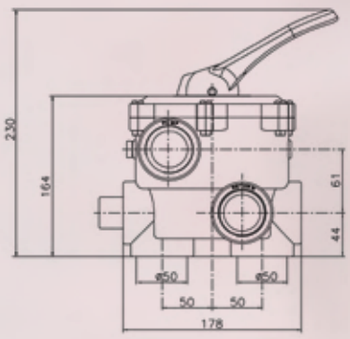
# MANUAL 6-WAY- VALVES

## 1 ½" 6-WAY VALVE
SIDE MOUNT - CLASSIC LINE

EXCLUSIVE MIDAS

1 ½" SIDE MOUNT Classic generation valve,
- ABS (Cycolac)
- threaded connections to the filter (#310-3T, #310-0T)
  Solvent weld connection to the filter
  for MIDA.Split (#310-3TSB)
- operating pressure: 1.5 bar
- flow rate: 9.7 m³/h at 0.4 bar
- color: white or black
- also available individually



#310-3T

#310-3TSB

#310-0T

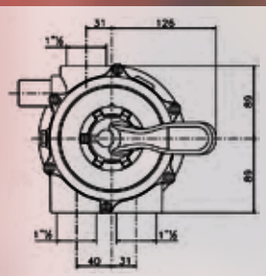
| Article | PU | Article Number |
|---|---|---|
| 1 ½" 6-way valve, threaded connection, color: white | 6 | 310-3T |
| 1 ½" 6-way valve, slip connection, color: white | 6 | 310-3S |
| 1 ½" 6-way valve, 2 x slip connections & 3 x threaded connections, color: black | 6 | 310-3TSB |
| 1 ½" 6-way valve, threaded connection, ALL OPEN, **including** 2 plugs, color: white | 6 | 310-0T |
| 1 ½" 6-way valve, slip connection, ALL OPEN, **including** 2 plugs, color: white | 6 | 310-0S |

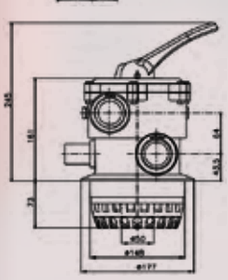
## 1 ½" 6-WAY VALVE
TOP MOUNT - CLASSIC LINE

EXCLUSIVE MIDAS

1 ½" TOP-MOUNT valve

- ABS (cycolac)
- 1½" threaded connection
- clamping ring kit, **included** bolts, nuts & O-rings
- clamping ring Ø 177 mm
- operating pressure: 1,5 bar
- flow rate: 8,2 m3/h at 0,4 bar
- color: white





| Article | PU | Weight | Article Number |
|---|---|---|---|
| 1½" 6-way valve, top mount | 6 | 2,5 kg | 313-S |

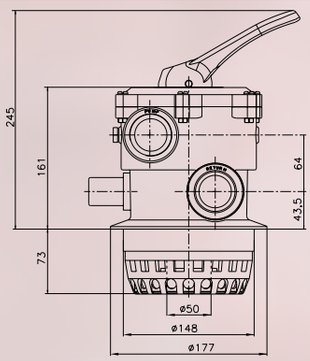
## 1 ½" 6-WAY VALVE
TOP MOUNT

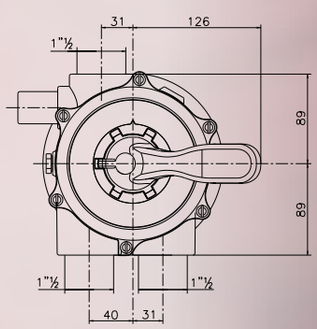
EXCLUSIVE MIDAS

PRICE REDUCTION

1 ½" TOP-MOUNT valve,
- 6" unified or buttress

- 1 ½" threaded connection
- O-ring
- operating pressure: 1,5 bar
- flow rate: 8,2 m³/h at 0,4 bar
- color: white




| Article | PU | Weight | Article Number |
|---|---|---|---|
| 1 ½" 6-way valve, 6" unified | 6 | 2,17 kg | 312-TU |
| 1 ½" 6-way valve, 6" buttress | 6 | 2,17 kg | 312-TB |

## 1 ½" AND 2" 6-WAY-SIDE MOUNT-VALVE-KIT
INCLUDING PIPING* - CLASSIC LINE

EXCLUSIVE MIDAS

PRICE REDUCTION #320-C

- ABS
- completely piped
- including union nuts to the filter
- operating pressure: 1.5 bar
- flow rate: 16 m³/h at 0.2 bar (2")
- flow rate: 9.7 m3/h at 0.4 bar (1½")
- color: black
- also available individually

Suitable for:

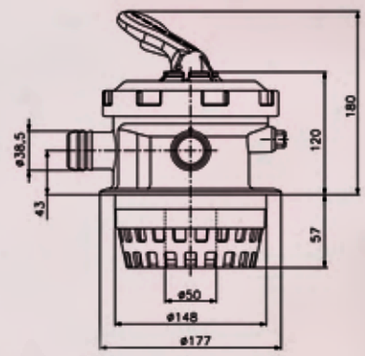
- ✓ MIDA.Calypso
- ✓ MIDA.Apollo
- ✓ MIDA.Carbon Premium
- ✓ MIDA.Carbon
- ✓ MIDA.Carbon Pro

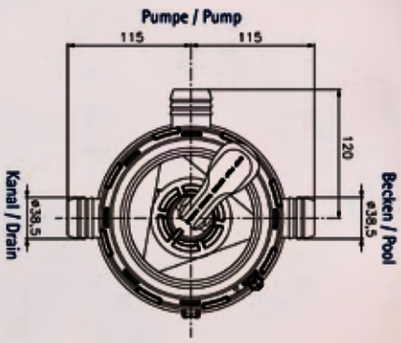
| Article | Micrometer | PU | Article Number |
|---|---|---|---|
| 1 ½" 6-way valve, d/50 mm to the filter, 3 x 1½" thread* | 125 mm | 6 | 310-C |
| 2" 6-way valve, d/63 mm to the filter, 3 x 2" thread* | 230 mm | 6 | 320-C |

## 1 ½" 6-WAY VALVE
### TOP MOUNT - MODERN LINE, HOSE CONNECTION

1 ½" „Mini" TOP MOUNT High-Tech generation valve.
Perfect for above-ground pools.
Suitable for MIDA.Maui standard sand filter system.

- 38 mm hose connection
- clamping ring kit, **including** screws, nuts & O-rings
- clamping ring Ø 177 mm
- operating pressure: 1,5 bar
- flow rate: 8,2 m³/h at 0,4 bar
- color: black
- also available individually



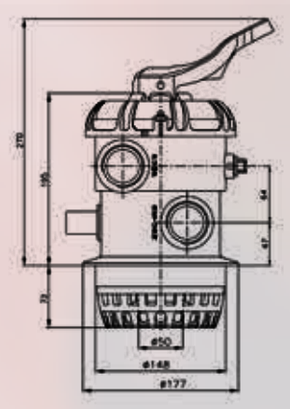

| Article | PU | Article Number |
|---|---|---|
| 1 ½" 6-way valve, top mount | 6 | 308-S |

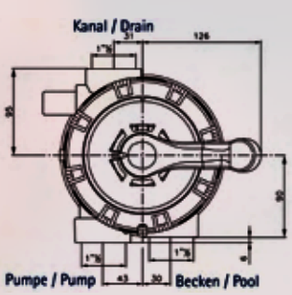
## 1 ½" 6-WAY VALVE
### TOP MOUNT - MODERN LINE, THREADED CONNECTION

EXCLUSIVE MIDAS

1 ½" TOP MOUNT High-Tech generation valve.
Suitable for MIDA.Maui sand filter system.

- 1 ½" threaded connection
- with bayonet lock for easy opening
- clamping ring kit, **including** screws, nuts & O-rings
- clamping ring Ø 177 mm
- operating pressure: 1,5 bar
- flow rate: 8,2 m³/h at 0,4 bar
- color: black
- also available individually




| Article | PU | Article Number |
|---|---|---|
| 1 ½" 6-way valve, top mount | 6 | 317-S |

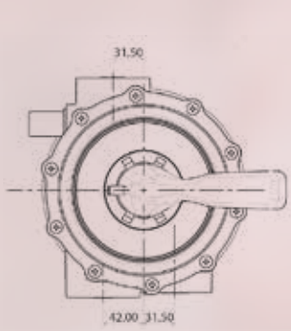
*not glued

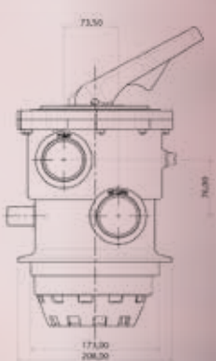
# 2" 6-WAY VALVE
## TOP MOUNT - MODERN LINE

EXCLUSIVE MIDAS

2" TOP-MOUNT valve

- ABS (cycolac).
- clamping ring kit, **included** bolts, nuts & O-rings
- clamping ring Ø 208 mm
- operating pressure: 2 bar
- flow rate: 13 m3/h at 0,2 bar
- color: black



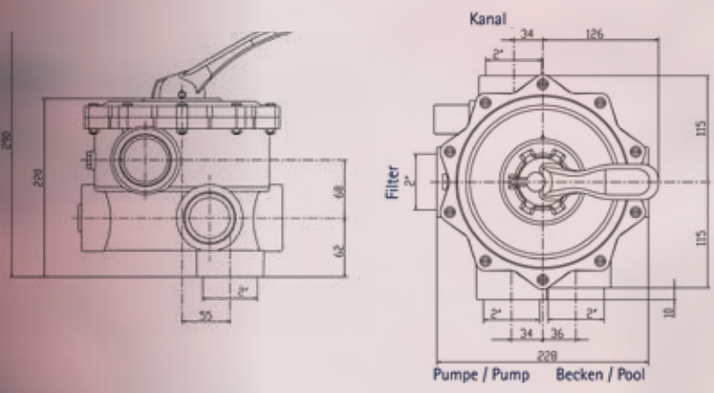




| Article | PU | Weight | Article Number |
|---|---|---|---|
| 2" 6-way valve, top mount, metric | 3 | 7,34 kg | 322-AU-MET |

## 2" 6-WAY VALVE
SIDE MOUNT - CLASSIC LINE

EXCLUSIVE MIDAS

2 " SIDE MOUNT classic generation valve
- ABS (Cycolac)
- with slip or threaded connections
  (2 x slip connections to the filter for article #320-3TSB).
- operating pressure: 2 bar
- flow rate: 16 m³/h at 0,2 bar
- color: white or black
- also available individually



#320-3T

#320-3TSB

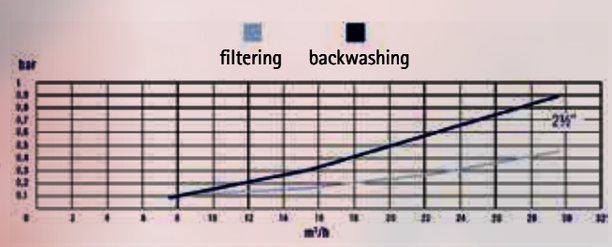
#320-0T

| Article | PU | Article Number |
|---|---|---|
| 2" 6-way valve, threaded connection, color: white | 6 | 320-3T |
| 2" 6-way valve, slip connection, color: white | 6 | 320-3S |
| 2" 6-way valve, 2 x slip connections & 3 x threaded connections, color: black | 6 | 320-3TSB |
| 2" 6-way valve, threaded connection, ALL OPEN, **including** 2 plugs, color: white | 6 | 320-0T |
| 2" 6-way valve, slip connection, ALL OPEN, **including** 2 plugs, color: white | 6 | 320-0S |

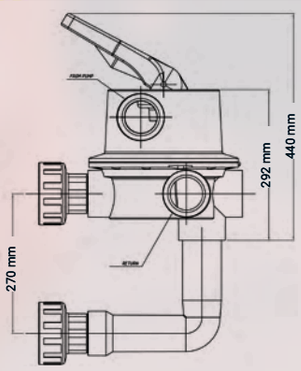
## 2 ½" 6-WAY VALVE-SET
SIDE MOUNT - MODERN LINE

EXCLUSIVE MIDAS

- glass fiber reinforced ABS
- 2 ½" thread connections
- piping (not glued)
- **including** union nuts & O-rings
- 27 cm distance between the connections
- operating pressure: 2,5 bar
- flow rate: 27 m³/h at 0,4 bar
- color: black



#SM-25




| Article | Article Number |
|---|---|
| 2 ½" 6-way valve | SM-25 |

## 3" 6-WAY VALVE
SIDE MOUNT - MODERN LINE

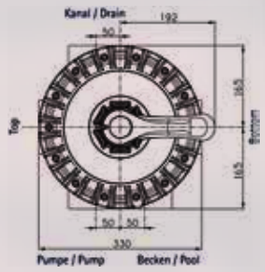
EXCLUSIVE MIDAS

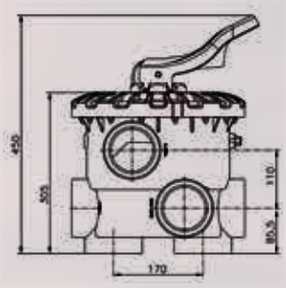
ALL-OPEN version with 2 thread plugs for flexible installation. 3" thread connection

Designed for swimming pool use only.

- glass fiber reinforced ABS
- locking system with stainless steel screws
- EPDM-O-rings
- operating pressure: 3,5 bar
- flow rate: 40 m³/h at 0,2 bar
- color: black

#331-0T




| Article | Article Number |
|---|---|
| 3" 6-way valve, ALL OPEN, **including** 2 plugs, color: black | 331-0T |

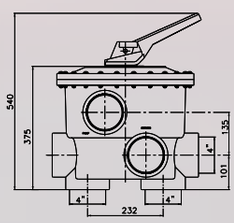
## 4" 6-WAY VALVE
SIDE MOUNT - MODERN LINE

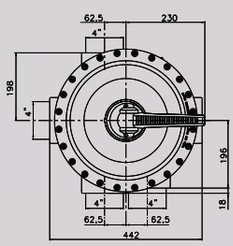
EXCLUSIVE MIDAS

ALL-OPEN version with 2 thread plugs for flexible installation. 4" thread connections.

Designed for swimming pool use only.

- duroplast (polyurethane)
- locking system with stainless steel screws
- EPDM-O-rings
- operating pressure: 3,5 bar
- flow rate: 104 m³/h at 0,4 bar
- color: black



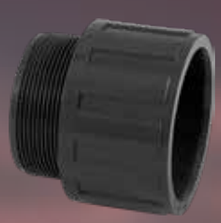




| Article | Article Number |
|---|---|
| 4" 6-way valve, Modern Line, ALL OPEN, **including** 2 plugs, color: black | 380-0T |

## ADAPTER SYSTEM

PRICE REDUCTION

4" adapter with built-in O-rings; can be supplied optionally and offers many advantages over using Teflon tape: easier and quicker assembly, better sealing.



#380-E20

| Article | PU | Weight | Article Number |
|---|---|---|---|
| 4"/110 mm "metric" | 5 | 0,70 kg | 380-E20 |

# 02

# PUMPS & COUNTER-CURRENT SWIMMING SYSTEMS

*MASTERPIECES OF ENGINEERING FOR UNPARALLELED LUXURY*

*Experience pure elegance in the water – supported by highly advanced technology. The new BADU EV Delta sets new standards in efficiency with its precise variable speed control and ensures a virtually silent circulation, moving the water in a gentle rhythm. The new BADU EV Prime offers exceptional energy efficiency and uniform water turnover thanks to its flexibility and up to 3 meters suction lift.*

*The counter swim units by Speck transform your pool into a dynamic aquatic world. With the BADU Jet Turbo Light, you experience currents that let you glide gently through the water or challenge you with powerful waves – depending on how you choose to swim. Whether you want to drift relaxed in a soothing current or intensify your workout in powerful motion – every swimming direction is supported by the technology in perfect balance. Thus, maximum efficiency, silence, and unforgettable flow rate combine to elevate your pool experience to a new level.*

## OVERVIEW

### CIRCULATION PUMPS & ACCESSORIES


P. 46 Important Calculations
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P. 52 Aquagem Inver Warrior
NEW P. 54 Speck BADU EV2 Delta
P. 55 Speck BADU Delta ECO VS
NEW P. 56 Speck BADU EV1 Prime
P. 57 Speck BADU Prime ECO VS
P. 58 Speck BADU Alpha Eco Soft
P. 59 Speck BADU NetLink
P. 60 Frequency Inverter iSaver X
P. 61 Speck BADU Delta
P. 62 Speck BADU Prime
P. 64 Speck BADU Magna
P. 65 Speck BADU Top II
P. 66 MIDA.Gamma
P. 66 MIDA.Alpha
P. 67 MIDA.Wave
P. 67 MIDA.Pombi


### COUNTER-CURRENT SWIMMING SYSTEMS


P. 68 Speck BADU Jet Turbo Salt
P. 70 Speck BADU Jet Turbo Light
P. 71 Speck BADU Jet Turbo Technical Shaft

# PUMPS

## SELECTION OF THE CIRCULATION CAPACITY

**When designing your dream pool, the first questions often arise regarding the pump.**
A circulation pump plays a decisive role here. It is the heart of the entire pool system. An incorrect or unsuitable pump can lead to problems and inconveniences that can affect the enjoyment of the pool. To avoid this, we have prepared some important information and calculations that will help you determine the selection of the circulation capacity and flow rate.

### How often should the pool water be circulated?

The pool water should be circulated 2-3 times a day.

### What flow rate should be achieved?

The flow rate should be **15-30 m/h** for filtering and **50-70 m/h** for backwashing. We therefore recommend frequency-controlled circulation pumps, as these operate at variable speeds. The performance for filtering and backwashing can therefore be optimally adjusted. Furthermore, the use of a frequency-controlled circulation pump results in enormous savings in electricity costs, even if the filter is operated 24/7. This means that such a pump can be amortized after approx. 2 years (depending on operation and conditions). An additional advantage is the significantly quieter noise level compared to conventional circulation pumps.

### What is volume flow and how is it calculated?

The volume flow is the amount of water that flows through the filter system of your pool within a certain time. This parameter is required to calculate the circulation capacity.

$$Q = \frac{V}{t} \rightarrow$$

**Q** = volume flow
**V** = pool volume
**t** = circulation time *(in hours)*

### What is the circulation capacity and how is it calculated?

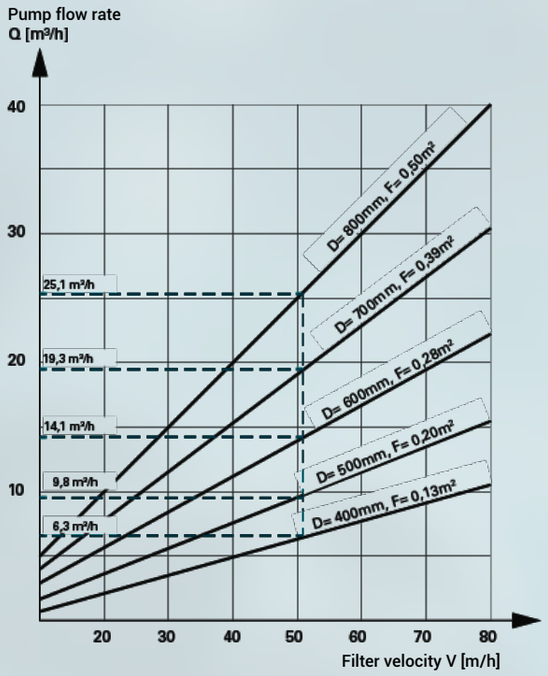
The circulation rate is the **total amount of water** that is circulated through the filter system of a pool per day over a certain period of time. This parameter is important to ensure that all the pool water is regularly circulated through the filter, which is crucial for the filtration, disinfection and homogenization of the water.

$$U = Q * t \rightarrow$$

**U** = circulation capacity
**Q** = volume flow
**t** = circulation time *(in hours)*

# SELECTION OF THE FILTER DIAMETER & PIPE DIAMETER CALCULATION

It is important that the diameter of the filter tank is proportionate to the capacity of the swimming pool pump. This ensures that the dirt has sufficient time to settle in the filter sand during the filtering process. The filter pump should also be powerful enough to effectively flush the dirt out of the filter sand during backwashing. The water flow rate must also be optimal in order to circulate the pool efficiently. The following diagram will help you to determine the filter diameter.

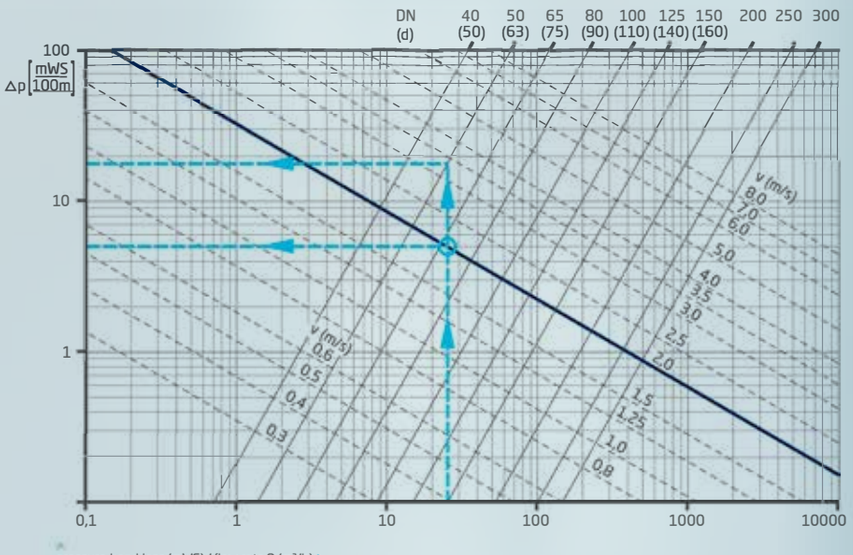



The diagram below helps you to determine pipe friction losses and shows how to calculate the correct pipe diameters.

**example** Q = 25 m³/h, 20 m plastic pipe with ..... **DN 50 ≙ d 63** ..... **DN 65 ≙ d 75**
Loss amount read from table ..... $H_v$ = 18,00 m per 100 m ..... 5,00 m per 100 m
**loss amount** 20 m pipe (times 10/100 ..... $H_v$ = 3,60 m ..... 1,00 m
Control of the flow Velocity ..... v = 3,40 m/s (too high) ..... 2,00 m/s (i. O.)

The pressure head losses in this example apply to pure water at a temperature of 20 °C, or for liquids with the same kinematic Viscosity and for new PVC-U pipes.

**DN** > pipe inner diameter in mm
**d** > tube outside diameter in mm
— > optimum flow rate in the pipe
– – > example
○ > DN 65 or PVC d 75



# INVERSilence™ Tech by AQUAGEM®

ENERGY-SAVING

**InverSilenceTM by Aquagem is a revolution in the pool industry. The combination of full inverter technology, spiral hydraulic system and brushless DC motor makes the circulation pumps not only the quietest, but also the most efficient on the market!**

**The Full Inverter technology** in circulation pumps represents an advanced approach to efficient control and optimization of the pool water circuit. In contrast to conventional ON/OFF pumps, which operate at constant speeds, a Full Inverter circulation pump enables smoother, stepless start-up and dynamically adapts to the specific requirements of pool operation. This enables considerable energy savings, as it only consumes as much energy as is needed. This not only helps to reduce operating costs, but also reduces the ecological footprint.

**The spiral hydraulic system** optimizes the water flow and hydraulics of the pump, resulting in improved performance and filtration. At the same time, it helps to make the pumps the quietest on the market. The clever design and interplay of technologies minimizes vibration and significantly reduces noise levels, creating a pleasant and quiet environment around the pool.

**The InverSilence technology** thus sets new standards for pool circulation pumps by not only offering the highest energy efficiency and performance, but also focusing on low noise. These pumps are ideal for pool owners looking for a powerful, energy-efficient and quiet solution to maximize the pool experience.

## WATER AND ENERGY IN HARMONY

### SUSTAINABILITY THROUGH FULL INVERTER TECHNOLOGY

### SAVE ENERGY

6-15 times energy savings

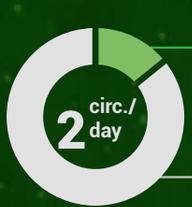
**Full inverter pumps - Energy consumption**

**Up to 67,000 kWh in 10 years**
**With an operating time of 16 hours per day.**

full inverter pump
4,800 kWh

ON/OFF pump
72,000 kWh

**Longer filtration, more energy savings**
**with an operation of 2 circulations per day.**




full inverter pump
12 hours running time with 1,2 kWh/day

ON/OFF pump
4.8 hours running time with 7,2 kWh/day

### SAVE WATER

use water, don't waste it

**Why is saving water so important?**

The importance of saving water lies in the sustainable use of resources and environmental protection. With Full Inverter circulation pumps, you can not only optimize water circulation, but also minimize consumption. This measure makes a significant contribution to conserving precious resources and promoting environmentally friendly pool operation.

**Differences between ON/OFF and inverter pumps.**

**ON / OFF pumps**

- restricted water circulation
- lower water quality
- regular draining of water
- more maintenance work

**inverter pumps**

- 24h circulation
- perfect water quality
- water saving
- less maintenance effort

# INVERSilence™ Tech

## ADVANTAGES FOR YOUR POOL

**BETTER HEAT EXCHANGE**
Create a better heating effect in the low-speed water circuit.

**INTELLIGENT FILTRATION**
Improved filtration and durability due to slower water flow.

**MORE EFFICIENT DISINFECTION**
Optimization for electrolytic cells and sensors to ensure maximum disinfection performance.

**EXTENDED PIPE SERVICE LIFE**
Slow water flow to reduce friction in the pipes

## AQUAGEM INVER MASTER
WATER-COOLED FULL-INVERTER CIRCULATION PUMP

5 YEARS MANUFACTURER'S WARRANTY

ENERGY-SAVING

PRICE REDUCTION

RS-485

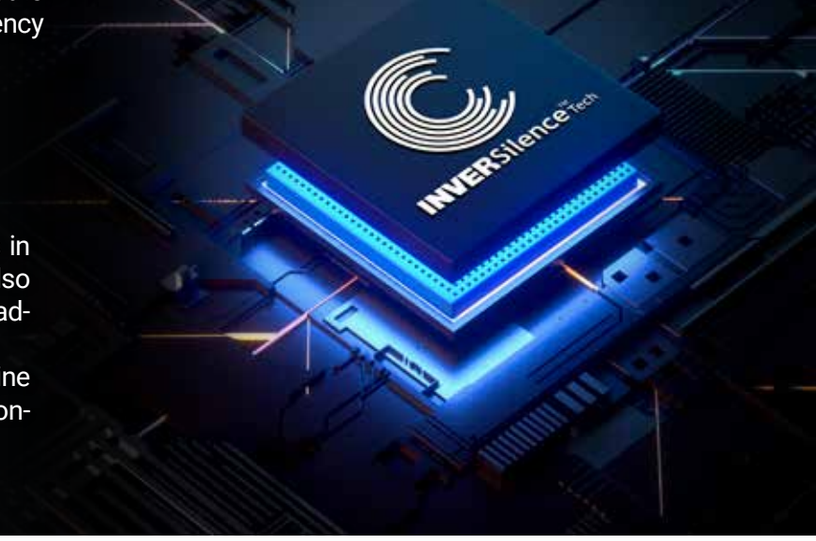
# THE QUIETEST PUMP IN THE WORLD

**20x** ENERGY SAVING WITH **INVER MASTER**

## INVER SILENCE TECHNOLOGY

The pump is the heart of the pool. For decades, the high energy consumption and noise of a circulation pump was a well-known problem. To address this challenge, Aquagem has developed the pioneering **Inver Silence** technology, the leading technology for noise reduction and efficiency improvement.

The technology combines the inverter drive, the spiral hydraulic structure and the brushless DC motor to precisely control the speed through intelligent algorithms.




## ARTIFICIAL INTELLIGENCE TECHNOLOGY

The inverter "brain" can not only monitor the changes in line pressure and make intelligent calculations, but also send commands to the pump motor to automatically adjust the flow range and operating capacity.
Therefore, the pump can not only provide users with line detection and early warning service, but also set a reasonable flow rate.

## INTUITIVE CONTROL WITH THE INVER FLOW APP

- **Operating mode** *(inverter/manual)*
- **Flow rate display in m³/h**
- **Power consumption display in watts**
- **„One click" backwash**

Laden im App Store

JETZT BEI Google Play

## UP TO 40 TIMES QUIETER 30 dBA

In addition to the InverSilence technology, the water cooling system makes the pump fan-free and the operating noise level is only 30 dB(A)/1m.
This corresponds to a 40-fold noise reduction compared to a conventional circulation pump.

**Whisper / Inver Master**
**30 dB**

# 20x ENERGY SAVING

Compared to traditional circulation pumps,
the **Inver Master** allows you to save money every year*:

| | |
|---|---|
| **8.322 kW/h** save on energy consumption | **2.338 kg** avoid $CO^2$ emissions |
| **3.328,80 €** save on electricity costs | **130** planting trees |

*Example: An 8 x 4 m pool with year-round operation runs for an average of 16 hours, 365 days a year.
The electricity price is €0.40/kWh.

## Soft Start
*the pump starts continuously from 0 amps up to its rated power*

## Suitable for Saltwater Electrolysis
*Salt concentration up to 0.5% (5 g/L)*

## No-Water Protection
*protects the pump from running dry*

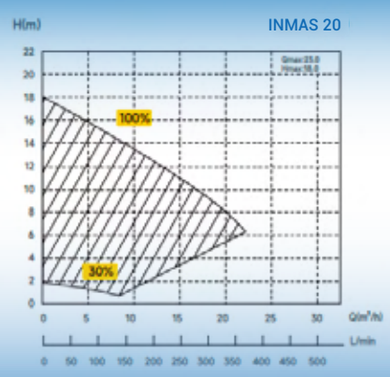
## Individual Control
*adjustable via % or m³/h*

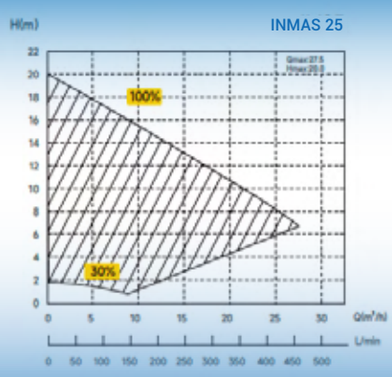
## Integrated Filter Control
*up to four individual time and power settings configurable*

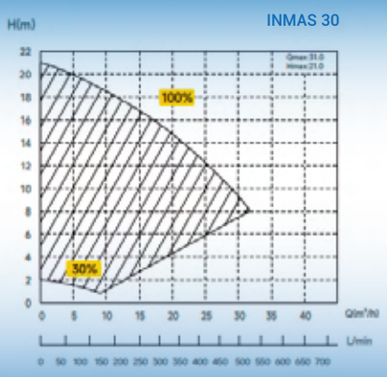
## External Control
*RS485 Modbus, digital input, analog input, relay output*

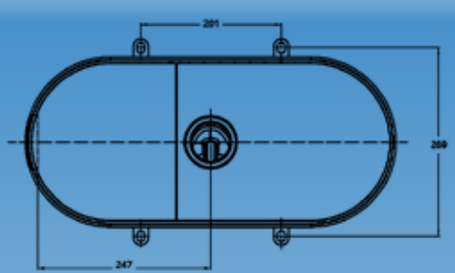
## High-Quality Components
*brushless IE5 DC motor, Mechanical seal: SUS316*

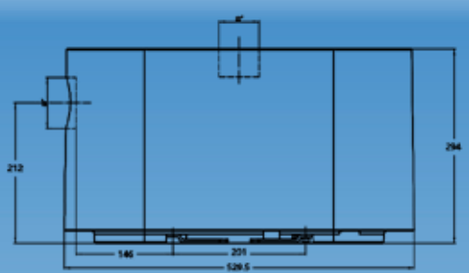
| Technical Specifications | Inver Master 20 | Inver Master 25 | Inver Master 30 |
|---|---|---|---|
| voltage | 230 V/50 Hz | | |
| power consumption P1 | max. 0,80 kW | max. 1,10 kW | max. 1,40 kW |
| power output P2 | max. 0,62 kW | max. 0,92 kW | max. 1,20 kW |
| suction side connection | 2“ female thread | | |
| pressure side connection | 2“ female thread | | |
| pump capacity* | 23 m³/h | 27,5 m³/h | 31 m³/h |
| connection cable length / diameter | 3 m / 3 x 1,5 mm² | | |
| weight | 23 kg | | |
| protection class | IP55 | | |

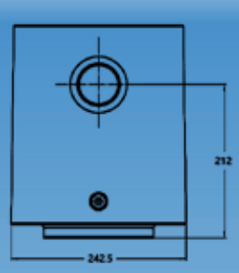



| Article | Voltage | Power consumption P1 | Power output P2 | Pump capacity* | Connection on the suction and pressure sides | Weight | Article Number |
|---|---|---|---|---|---|---|---|
| InverMaster 20 | 230V/50 Hz | max. 0,80 kW | max. 0,60 kW | 23 m³/h | 2“ female thread | 23 kg | INMAS20 |
| InverMaster 25 | 230V/50 Hz | max. 1,10 kW | max. 0,92 kW | 27,5 m³/h | 2“ female thread | 23 kg | INMAS25 |
| InverMaster 30 | 230V/50 Hz | max. 1,40 kW | max. 1,20 kW | 31 m³/h | 2“ female thread | 23 kg | INMAS30 |

*Pump performance rating at 8 m head

## AQUAGEM INVER WARRIOR
FULL-INVERTER CIRCULATION PUMP

ENERGY-SAVING

PRICE REDUCTION

RS-485

5 YEARS MANUFACTURER'S WARRANTY

# MODERN, TRENDY INTELLIGENT

**15x** ENERGY SAVINGS WITH THE **INVER WARRIOR**

## 30 TIMES QUIETER

wisper
**30 dB**

Refrigerator / **Inver Warrior**
**33 dB**

washing machine
**60 dB**

standard circulation pump
**70 dB**

## KEY BENEFITS

**Individual Control**
*adjustable via % or m³/h*

**Integrated Filter Control**
*up to four individual time and power settings configurable*

**External Control**
*RS485 Modbus, digital input, analog input, relay output*

**Wi-Fi**
*the pump can be controlled at any time and from anywhere*

**Soft Start**
*the pump starts continuously from 0 amps up to its rated power*

**Suitable for Saltwater Electrolysis**
*Salt concentration up to 0.5% (5 g/L)*

**No-water protection**
*protects the pump from running dry*

## ENERGY SAVINGS WITH MAGIC INVERTER

Through the use of inverter technology, the operating capacity can be precisely adjusted from 30% to 100%. The motor speed can be controlled precisely (between 1,200 - 2,900 RPM), which enables a **15-fold energy saving** compared to traditional circulation pumps.

**100w**
10 m³/h

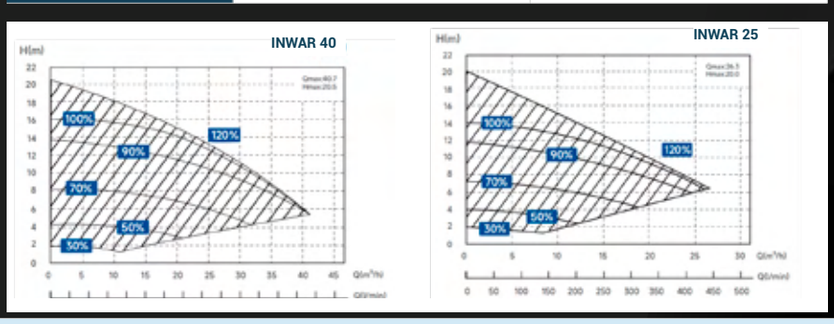
**200w**
14.2 m³/h

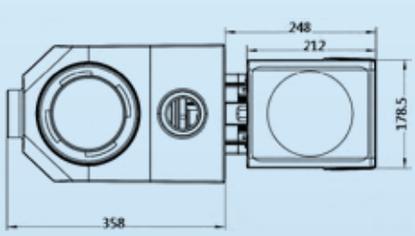
**1050w**
24.5 m³/h

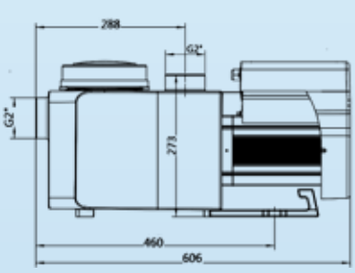
# FULL TOUCH DISPLAY

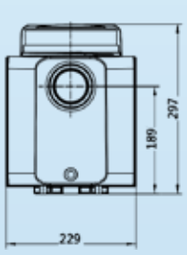
- Operating mode (Inverter/Manual)
- Flow rate display in m³/h
- Power consumption display in watts
- One-click backwash

| Technical Specifications | Inver Warrior 25 | Inver Warrior 40 |
|---|---|---|
| voltage | 230 V/50 Hz | |
| power consumption P1 | max. 1,05 kW | max. 1,75 kW |
| power output P2 | max. 0,85 kW | max. 1,50 kW |
| pump capacity* | 23,6 m³/h | 36,2 m³/h |
| suction side connection | 2" female thread | |
| pressure side connection | 2" female thread | |
| weight | 17,5 kg | 18,5 kg |
| max. water temperature | 50°C | |
| **connection cable length / diameter** | 3 m / 3 x 1,5 mm² | |
| **protection class** | IP55 | |
| **Article Number** | INWAR25 | INWAR40 |






| Article | Voltage | Power consumption P1 | Power output P2 | Pump capacity* | Connection on the suction and pressure sides | Weight | Article Number |
|---|---|---|---|---|---|---|---|
| InverWarrior 25 | 230V/50 Hz | max. 1,05 kW | max. 0,85 kW | 23,6 m³/h | 2" female thread | 17,5 kg | INWAR25 |
| InverWarrior 40 | 230V/50 Hz | max. 1,75 kW | max. 1,50 kW | 36,2 m³/h | 2" female thread | 18,5 kg | INWAR40 |

*Pump performance rating at 8 m head

5 YEARS MANUFACTURER'S WARRANTY

# SPECK BADU EV2 DELTA

## SUCCESSOR MODEL OF THE DELTA ECO VS

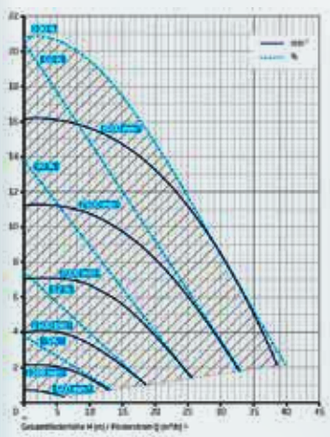
NEW

ENERGY-SAVING

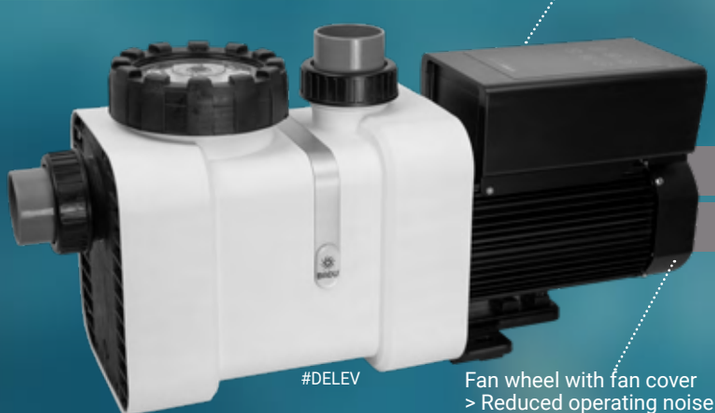
RS-485 | EV2 | D, A, R | 31 m³/h

The BADU EV2 Delta sets new standards in modern pump technology and combines high efficiency with precise variable speed control.
As a high-quality filter circulation pump for professional swimming pool filtration systems, it can be installed flexibly up to 3 m above or below water level.
The robust close-coupled design with integrated strainer tank ensures reliable operation, while the bellows-type mechanical seal on the plastic impeller hub guarantees a long, trouble-free service life.
Thanks to complete electrical separation of the motor and pump shaft, the circulating water remains contact-free – for maximum operational safety.

- permanent magnet motor
- detachable control box for easy maintenance
- compliance with highest safety standards
- 4“ full-touch color display (10 font colors selectable, inversion)
- interface available in 5 languages (D, EN, ES, IT, FR)
- LED in the transparent lid
- program selection (3 presets / party mode)
- adjustable speeds: 600 – 3,000 rpm (in steps of 10), for pools with a volume up to 150 m3
- installable max. 3 m above or below the water level, with integrated strainer tank (capacity approx. 4 l)
- motor and pump shaft do not come into contact with the circulating water. Electrical separation
- external controls: RS485, continuous signal (4 wires), impulse signal (5 wires), 0 - 10 volts, 4 - 20 mA
- stop contact separately configurable (normally open / normally closed / deactivated)
- delivery includes 3 m connection cable
- noise level 35.7 - 65.6 dB at 1 m distance
- salt electrolysis suitable: yes (up to 0.5 %)
- seawater suitable: no



Detachable ***control box*** for simple & safe maintenance



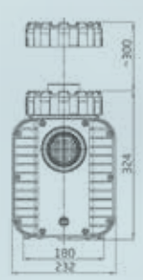

MADE IN GERMANY

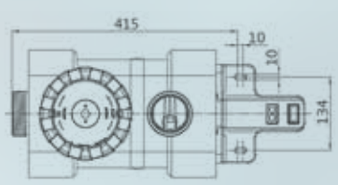
FREE SOFTWARE-UPDATES

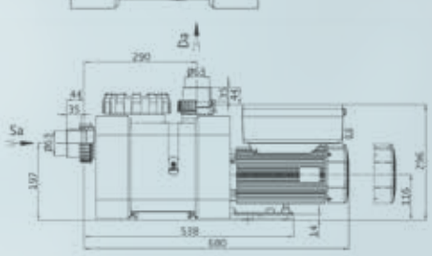
Fan wheel with fan cover
> Reduced operating noise

| Technical Specifications | |
|---|---|
| voltage | 1~ 230 V / 50/60 Hz |
| power consumption P1 | 0,03 - 1,40 kW |
| power output P2 | 0,01 - 1,10 kW |
| sound pressure level | 35,7 - 66,5 dB(A) |
| rated current | 0,50 - 6,10 A |
| pump capacity* | 31 m³/h |
| suction side connection | 63 mm slip |
| pressure side connection | 63 mm slip |
| weight | ca. 15 kg |
| protection class | IP 55 |

*Pump performance rating at 8 m head







## Advantages at a glance:

Can be combined with FlowSonic & FlowSonic+ (Page 244)

- **Modern full-touch display** for particularly intuitive and comfortable operation
- **Automatic priming system** terminates air evacuation independently
- **Three individually configurable presets** for mode and performance adjustment
- **Detachable control unit** for increased safety and simplified maintenance
- **Plug-and-play solution** for seamless integration into existing systems
- **Whisper-quiet operation** for maximum noise reduction
- In addition to standard controls, **RS-485** (Modbus RTU) for professional system integration

| Article | Article Number |
|---|---|
| BADU EV2 Delta | DELEV |



Photos: Speck Pumps

# SPECK BADU DELTA ECO VS

5 YEARS MANUFACTURER'S WARRANTY

Discontinued model

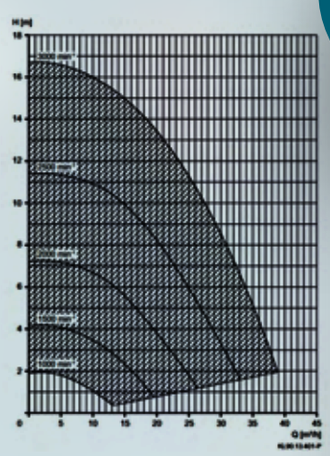
ENERGY-SAVING

PRICE REDUCTION

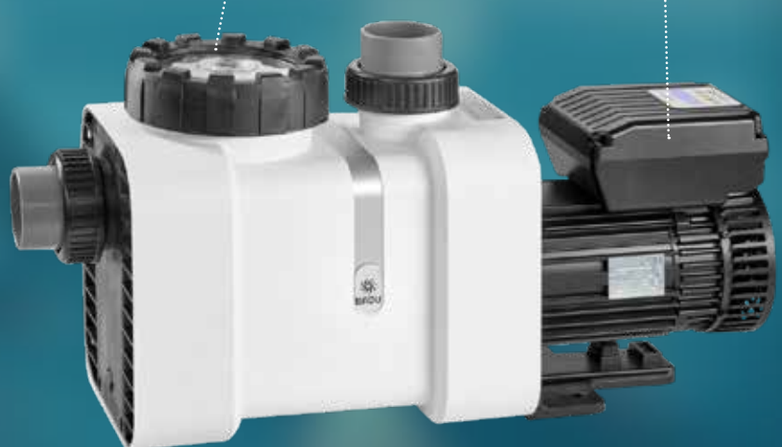
The BADU Delta Eco VS swimming pool pump features a motor display with intuitive control, ensuring low power consumption. It is particularly quiet and efficient due to its re-engineered hydraulic design. LED illumination in the transparent lid provides easy visual inspection. Internal drain plugs prevent the risk of breakage. The permanent magnet motor ensures efficient energy savings.

- **permanent magnet motor**
- **LED in the transparent lid**
- adjustable speeds: 600 – 3,000 rpm (in steps of 10), for pools with a volume up to 150 m3.
- installable max. 3 m above or below the water level, with integrated strainer tank (capacity approx. 4 l)
- can be used for swimming pool water with a salt concentration up to 0.5 % (equivalent to 5 g/l).
- **info button on the LED display for current consumption in kW.**
- motor and pump shaft do not come into contact with the circulating water. Electrical separation.
- delivery **includes** 3 m connection cable.
- noise level 35.7 - 65.6 dB at 1 m distance.
- **note:** external time control via potential-free contacts.
- salt electrolysis suitable: yes (up to 0.5 %)
- seawater suitable: no

DEECO



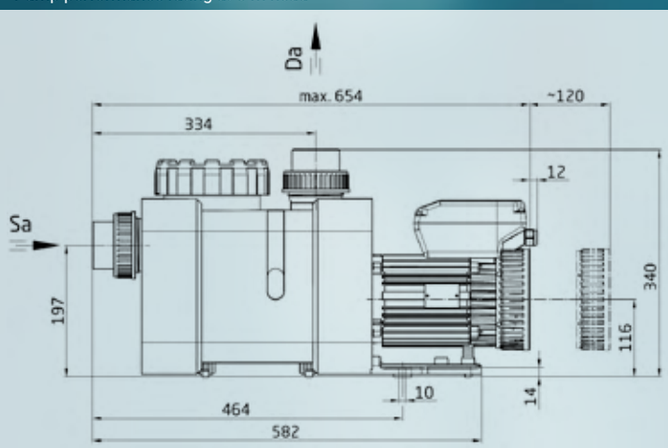
Transparent lid with LED illumination

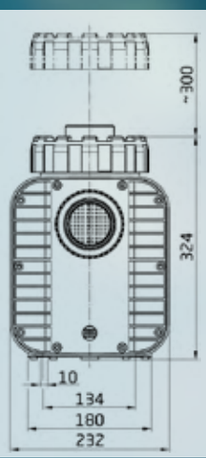


#DEECO

| Technical Specifications | |
|---|---|
| voltage | 230 V/50 Hz |
| power consumption P1 | 0,37 bis 1,4 kW |
| power output P2 | 0,03 bis 1,1 kW |
| pump capacity* | 31 m³/h |
| suction side connection | 63 mm slip |
| pressure side connection | 63 mm slip |
| weight | 14 kg |
| pool size | max. 150 m³ |
| protection class | IP55 |

*Pump performance rating at 8 m head




| Article | Article Number |
|---|---|
| BADU Delta Eco VS | DEECO |

**available from May 2026**

5 YEARS MANUFACTURER'S WARRANTY

RS-485 | EV2 | D, A, R | 25 m³/h

# SPECK BADU EV1 PRIME

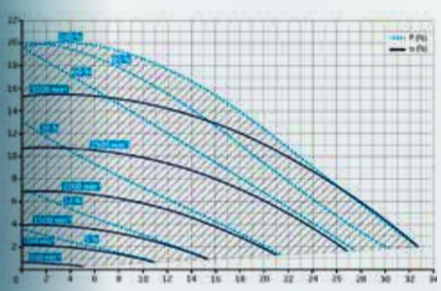
## SUCCESSOR MODEL OF THE PRIME ECO VS

**NEW**

ENERGY-SAVING

The BADU EV1 Prime represents a new generation of efficient and intelligent pump technology.
It is designed for swimming pool water circulation in filtration systems and can be flexibly installed up to 3 m above or below the water level.
The robust close-coupled design with an integrated strainer tank ensures reliable operation and easy maintenance.
Thanks to the bellows-type mechanical seal and complete electrical separation of the motor and pump shaft, a long service life and maximum safety are achieved.

- permanent magnet motor, adjustable speeds from 1,000 – 3,000 rpm (in steps of 10), for pools with a volume up to 120 m³.
- installable max. 3 m above or below the water level, with integrated strainer tank (capacity approx. 3 l)
- detachable control box for easy maintenance
- compliance with highest safety standards
- 3,5“ B/W display (10 font colors selectable, inversion)
- interface available in 5 languages (D, EN, ES, IT, FR)
- bellows-type mechanical seal mounted on plastic impeller hub
- motor and pump shaft do not come into contact with the circulating water - electrical separation
- delivery includes 3 m connection cable
- external controls: RS485, continuous signal (4 wires), impulse signal (5 wires), 0 - 10 volts, 4 - 20 mA
- stop contact separately configurable (normally open / normally closed / deactivated)
- noise level 36.7 – 62.5 dB at 1 m distance
- **note:** external time control via potential-free contacts
- salt electrolysis suitable: yes (up to 0.5 %)
- seawater suitable: no



Total delivery head H (m) / Flow rate Q (m³/h) >

| Technical Specifications | |
|---|---|
| voltage | 1~ 230 V / 50/60 Hz |
| power consumption P1 | 0,03 - 1,40 kW |
| power output P2 | 0,01 - 1,10 kW |
| sound pressure level | 34,4 - 61,3 dB(A) |
| rated current | 0,50 - 6,10 A |
| pump capacity* | 25 m³/h |
| suction side connection | 2“ female thread |
| pressure side connection | 1 ½“ female thread |
| weight | ca. 12 kg |
| protection class | IP 55 |

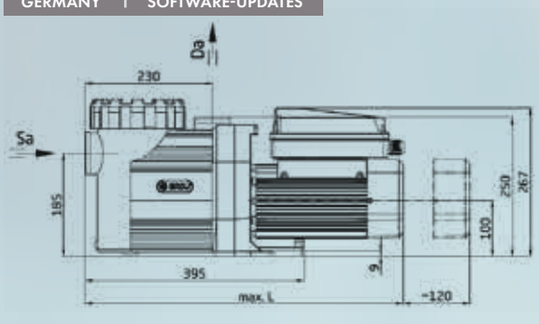
*Pump performance rating at 8 m head

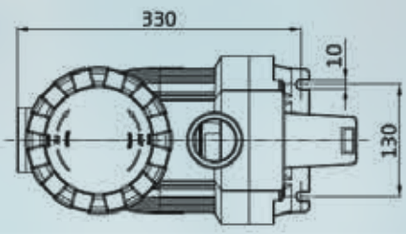
**NOW WITH INTERNAL PUMP CONTROL**
- 3 run times and performances per day
- programs: Auto, Manual, PV mode, Party mode

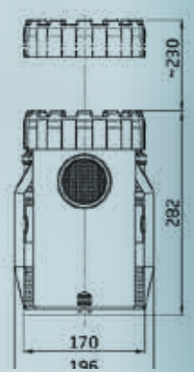
**NEW MOTOR GENERATION**
with expanded control options

Detachable ***control box***
for simple & safe maintenance

MADE IN GERMANY | FREE SOFTWARE-UPDATES




| Article | Article Number |
|---|---|
| BADU EV1 Prime | PRIEV |

Can be combined with FlowSonic & FlowSonic+ (Page 244)



Photos: Speck Pumps

# SPECK BADU PRIME ECO VS

5 YEARS MANUFACTURER'S WARRANTY

Discontinued model

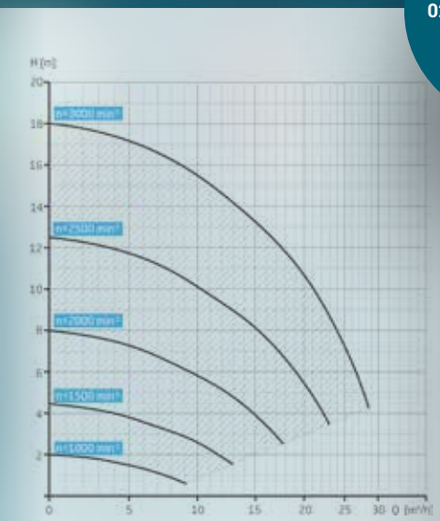
ENERGY-SAVING

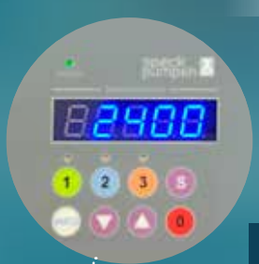
PRICE REDUCTION

The Speck BADU Prime Eco VS combines successful design with a synchronous compact drive to create a high-efficiency powerhouse in a space-saving construction. An integrated control panel and simple menu navigation ensure easy handling.

Settings can be easily adjusted via the proven membrane keypad with 8 keys without double assignment. Savings are possible with the BADU Prime Eco VS through speed adjustment, and the info button informs you about the current consumption. The pump's priming parameters can be variably programmed.

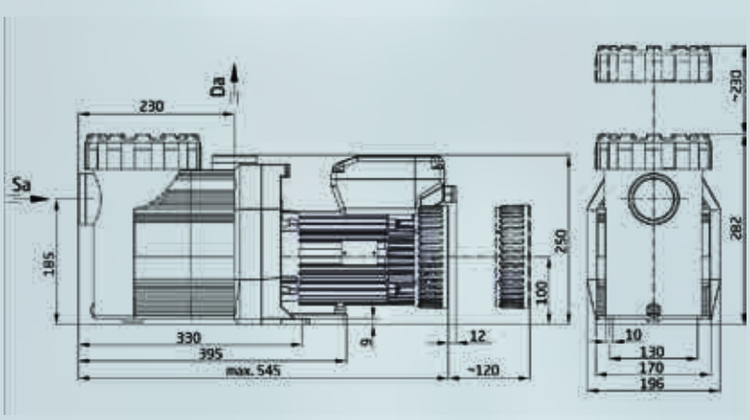
- **Permanent magnet motor,** adjustable speeds from 1,000 – 3,000 rpm (in steps of 10), for pools with a volume up to 120 m³.
- **Installable max. 3 m above or below the water level,** with integrated strainer tank (capacity approx. 3 l), can be used for swimming pool water with a salt concentration up to 0.5 % (equivalent to 5 g/l).
- **Info button on the LED display for current consumption in kW.**
- Bellows-type mechanical seal mounted on plastic impeller hub,
- Motor and pump shaft do not come into contact with the circulating water – electrical separation.
- Delivery **includes** 3 m connection cable.
- Noise level 36.7 – 62.5 dB at 1 m distance.
- **Note:** External time control via potential-free contacts.
- Salt electrolysis suitable: Yes (up to 0.5 %)
- Seawater suitable: No



| Technical Specifications | |
|---|---|
| voltage | 230 V/50 Hz |
| power consumption P1 | 0,08 - 1,4 kW |
| power output P2 | 0,3 - 1,10 kW |
| pump capacity* | 24 m³/h |
| suction side connection | 2“ female thread |
| pressure side connection | 1 ½“ female thread |
| weight | 11,5 kg |
| pool size | max. 120 m³ |
| protection class | IP55 |

*Pump performance rating at 8 m head




| Article | Article Number |
|---|---|
| BADU Prime Eco VS | PRECO |

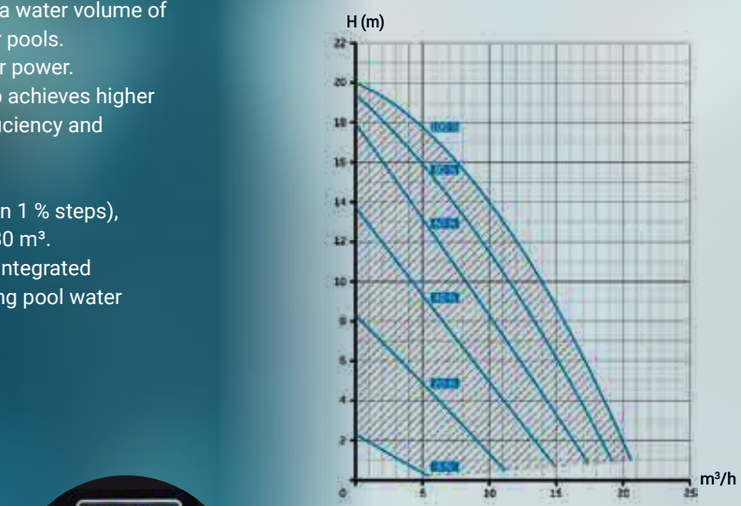
## SPECK BADU ALPHA ECO SOFT

5 YEARS MANUFACTURER'S WARRANTY

ENERGY-SAVING

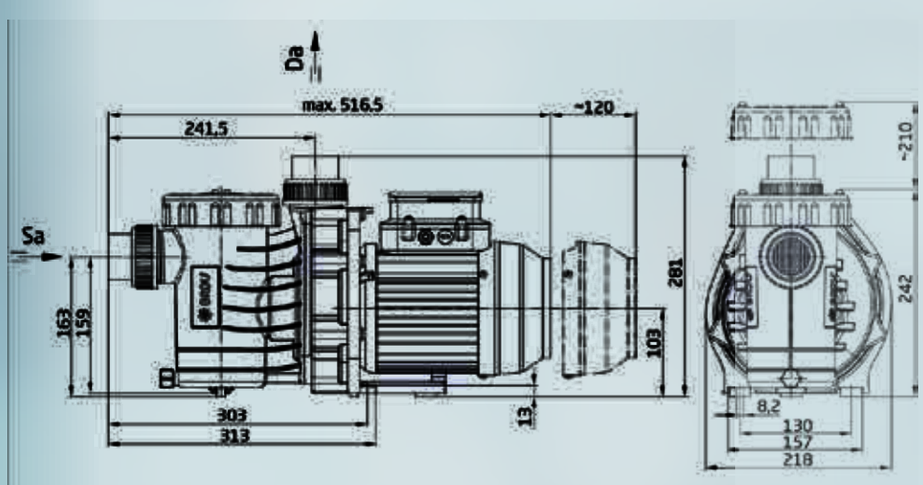
The BADU Alpha Eco Soft is designed for swimming pools with a water volume of 30 – 90 m³. This makes it the most efficient solution for smaller pools.
The noise-optimized motor ensures ideal utilization of the motor power.
Thanks to variably programmable performance levels, the pump achieves higher efficiency. The pump meets every requirement for maximum efficiency and environmental friendliness.

- Permanent magnet motor, adjustable power from 5 – 100 % (in 1 % steps), equivalent to 800 – 3,450 rpm, for pools with a volume up to 80 m³.
- Installable max. 2 m above or 3 m below the water level, with integrated strainer tank (capacity approx. 0.5 l), can be used for swimming pool water with a salt concentration up to 0.5 % (equivalent to 5 g/l).
- Protection class IP55.
- **LED display showing current motor power in percent.**
- Motor and pump shaft do not come into contact with the circulating water. Electrical separation.
- Delivery **includes** 3 m connection cable.
- Noise level 36.7 – 64.1 dB at 1 m distance.
- **Note:** External time control via potential-free contacts.
- Salt electrolysis suitable: Yes (up to 0.5 %)
- Seawater suitable: No



| Technical Specifications | |
|---|---|
| voltage | 230 V/50 Hz |
| power consumption P1 | 0,04 bis 0,75 kW |
| power output P2 | 0,50 kW |
| pump capacity* | 15,5 m³/h |
| suction side connection | 50 mm slip |
| pressure side connection | 50 mm slip |
| weight | 7,5 kg |
| pool size | 10 - 60 m³ |
| protection class | IP55 |

*Pump performance rating at 8 m head




| Article | Article Number |
|---|---|
| BADU Alpha Eco Soft | ALECO |



Photos: Speck Pumps

# SPECK BADU NETLINK

## RETROFIT APP CONTROL FOR FREQUENCY-CONTROLLED SPECK PUMPS

RS-485

ENERGY-SAVING

The BADU NetLink System transforms existing variable-speed Speck pumps into smart, remotely controllable devices.

The connection is straightforward via potential-free contacts or RS-485, which are then linked to the BADU NetLink. With Wi-Fi access to the BADU Connect Server, the pump can be controlled from anywhere.

This allows you to set filtration times and speeds for the filter pump and monitor current power consumption via RS-485. Without an RS-485 connection (e.g., for certain compatible pumps below), you can select between the three speed levels preset on the pump instead of setting an individual RPM. For added safety, a leakage sensor can be connected to alert you in the event of a pump leak.

- Easy installation via the pump cable
- 230 V connection
- Home network connection via LAN cable or Wi-Fi
- ABS housing
- Weight: 430 g
- The speed levels of the VS pump can also be selected manually on the NetLink unit.

**NetLink is compatible with the following Speck circulation pumps available from our range:**

- ✓ BADU EV2 DELTA
- ✓ BADU EV1 Prime
- ✓ BADU Delta Eco VS
- ✓ BADU EV Delta
- ✓ BADU Delta-MK Eco VS
- ✓ BADU Prime Eco VS
- ✓ BADU EV Prime
- ✓ BADU Alpha Eco Soft

**Please note:**
**One pump can be operated per NetLink!**

## BADU CONNECT APP

JETZT BEI Google Play

Laden im App Store

| Article | Article Number |
|---|---|
| BADU NetLink | NETLI |

Photo: View of the BADU Connect App with a pump connected via RS485. The user interface may vary.
No RPM adjustment possible; instead, selection of 1 / 2 / 3 / Stop.

FREQUENCY INVERTER
**iSAVER X**

**5 YEARS**
MANUFACTURER'S WARRANTY

ENERGY-SAVING

PRICE REDUCTION

# TURN YOUR PUMP INTO A FULL INVERTER

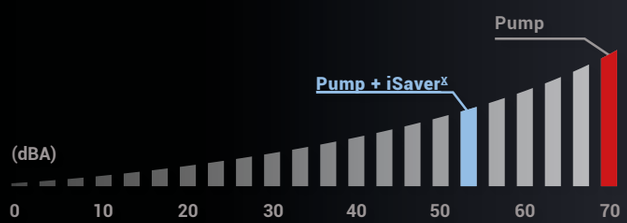
80% ENERGY SAVINGS WITH **iSAVER X**

## WHAT IS A FREQUENCY INVERTER?

The frequency inverter is a device that converts alternating current from one frequency to another. The majority of pool pumps currently installed on the market are still equipped with a single speed setting. While they are powerful for demanding tasks like backwashing, this is not always necessary, as with pumping or filtration.
The **iSaver**[x] enables the conversion of your existing circulation pump into an inverter pump (frequency-controlled).

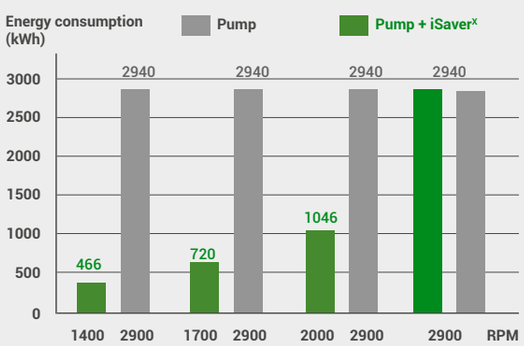
## THE CIRCULATION PUMP UP TO 25% QUIETER

Operating at low speed promises a significantly more pleasant user experience and can reduce the pump's noise level by up to 25%.




## UP TO 80% ENERGY SAVINGS

With the **iSaver**[X], the pump speed can be adjusted to adapt to different operating conditions, significantly reducing operating costs.




# SIMPLY PLUG & PLAY

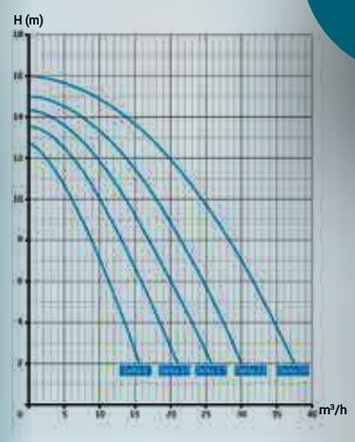
| Article | Voltage | Output | Output power | Weight | Article Number |
|---|---|---|---|---|---|
| iSaver X | 230 V/50 Hz | 0 - 240 V | max. 1,1 kW | 5 kg | ISAVE1 |

# SPECK BADU DELTA
9 - 28

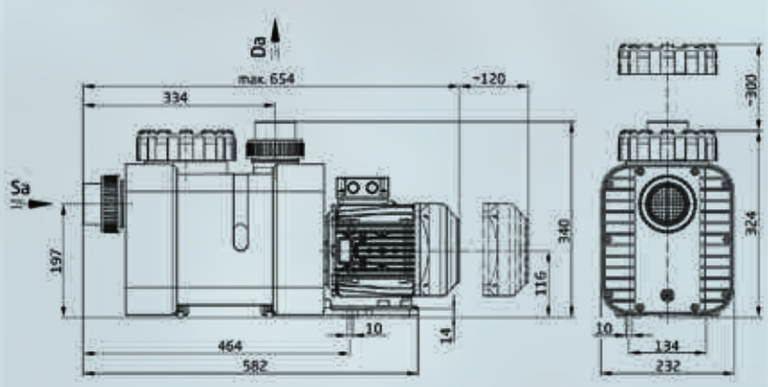
5 YEARS MANUFACTURER'S WARRANTY

This pump features a maintenance-free motor with high-performance ball bearings and a stainless steel motor shaft. It is exceptionally quiet and efficient due to its redesigned hydraulics. LED lighting within the transparent lid allows for easy visual inspection. Internal drain plugs prevent the risk of breakage, and High-Efficiency technology results in a higher flow rate with lower energy consumption.

- for pools with volumes up to 170 m³
- installable max. 3 m above or below the water level, with an integrated strainer tank (capacity approx. 4 l); can be used with salt concentrations up to 0.5%.
- bellows-type mechanical seal mounted on a plastic impeller hub
- motor and pump shaft do not come into contact with the circulating water
- electrical separation
- protection class IP55
- connection cable is **not** included in the delivery
- salt electrolysis suitable: Yes (up to 0.5 %)
- seawater suitable: No



Transparent lid with LED illumination




| Article | Voltage | Power consumption P1 | Power output P2 | Pump capacity* | Suction side connection | Pressure side connection | Weight kg | Article number |
|---|---|---|---|---|---|---|---|---|
| BADU Delta 9 | 230 V/50 Hz | 0,54 kW | 0,30 kW | 9 m³/h | 50 mm | 50 mm | 12,8 | DE09 |
| BADU Delta 9 | 400 V/50 Hz | 0,51 kW | 0,30 kW | 9 m³/h | 50 mm | 50 mm | 11,8 | DE09D |
| BADU Delta 13 | 230 V/50 Hz | 0,69 kW | 0,45 kW | 13 m³/h | 63 mm | 63 mm | 12,8 | DE13 |
| BADU Delta 13 | 400 V/50 Hz | 0,63 kW | 0,45 kW | 13 m³/h | 63 mm | 63 mm | 12,6 | DE13D |
| BADU Delta 17 | 230 V/50 Hz | 0,87 kW | 0,55 kW | 17 m³/h | 63 mm | 63 mm | 14,2 | DE17 |
| BADU Delta 17 | 400 V/50 Hz | 0,81 kW | 0,55 kW | 17 m³/h | 63 mm | 63 mm | 13,9 | DE17D |
| BADU Delta 22 | 230 V/50 Hz | 1,10 kW | 0,75 kW | 21 m³/h | 63 mm | 63 mm | 15,6 | DE22 |
| BADU Delta 22 | 400 V/50 Hz | 1,00 kW | 0,75 kW | 21 m³/h | 63 mm | 63 mm | 15,4 | DE22D |
| BADU Delta 28 | 230 V/50 Hz | 1,40 kW | 1,00 kW | 28 m³/h | 63 mm | 63 mm | 19,0 | DE28 |
| BADU Delta 28 | 400 V/50 Hz | 1,26 kW | 1,00 kW | 28 m³/h | 63 mm | 63 mm | 19,8 | DE28D |

*Pump performance rating at 8 m head

Photos: Speck Pumps

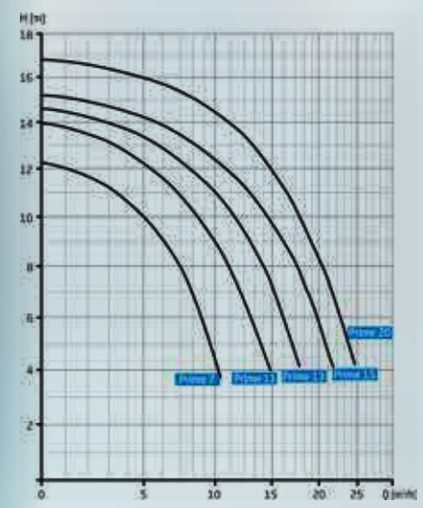
## SPECK BADU PRIME
7 - 20

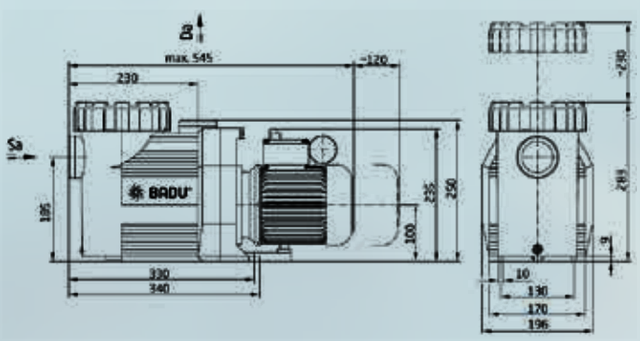
5 JAHRE HERSTELLER-GARANTIE

No other pool pump from the BADU range has been as successful for decades as the BADU Prime. Made from fiberglass-reinforced material, it reliably meets all the requirements of a pump and is particularly quiet due to multiple innovative optimizations. The BADU Prime is designed for filtration systems in swimming pools with a volume of 90 – 210 m³ and meets the highest standards with top quality and craftsmanship. Perfectly shaped and reliable, it is in every way our top model. The self-priming circulation pump is robust and, therefore, ready for any challenge. A practical lid-opening aid for the transparent cover is included in the delivery.
The pump is available in two versions: 7-20 (page 62) and 25-48 (page 63)

- for pools with volumes up to 120 m³. Installable max. 3 m above **or** below the water level, with an integrated strainer tank (approx. 3 l).
- can be used with salt concentrations up to 0.5% (equivalent to 5 g/l).
- bellows-type mechanical seal mounted on a plastic impeller hub; the motor and pump shaft do not come into contact with the circulating water.
- electrical separation
- connection cable is **not** included in the delivery
- Protection class IP55
- salt electrolysis suitable: Yes (up to 0.5%)
- seawater suitable: No

BADU Prime 7–20



BADU Prime 7–20

| Article | Voltage | Power consumption P1 | Power output P2 | Pump capacity* | Suction side connection | Pressure side connection | Weight kg | Article number |
|---|---|---|---|---|---|---|---|---|
| BADU Prime 7 | 230 V/50 Hz | 0,54 kW | 0,30 kW | 7 m³/h | 1 ½" female thread | 1 ½" female thread | 9,8 | PR07 |
| BADU Prime 7 | 400 V/50 Hz | 0,51 kW | 0,30 kW | 7 m³/h | 1 ½" female thread | 1 ½" female thread | 9,2 | PR07D |
| BADU Prime 11 | 230 V/50 Hz | 0,65 kW | 0,45 kW | 11 m³/h | 1 ½" female thread | 1 ½" female thread | 9,9 | PR11 |
| BADU Prime 11 | 400 V/50 Hz | 0,63 kW | 0,45 kW | 11 m³/h | 1 ½" female thread | 1 ½" female thread | 9,7 | PR11D |
| BADU Prime 13 | 230 V/50 Hz | 0,87 kW | 0,55 kW | 14 m³/h | 2" female thread | 1 ½" female thread | 11,0 | PR13 |
| BADU Prime 13 | 400 V/50 Hz | 0,81 kW | 0,55 kW | 14 m³/h | 2" female thread | 1 ½" female thread | 11,5 | PR13D |
| BADU Prime 15 | 230 V/50 Hz | 1,10 kW | 0,75 kW | 17 m³/h | 2" female thread | 1 ½" female thread | 13,1 | PR15 |
| BADU Prime 15 | 400 V/50 Hz | 1,00 kW | 0,75 kW | 17 m³/h | 2" female thread | 1 ½" female thread | 11,6 | PR15D |
| BADU Prime 20 | 230 V/50 Hz | 1,40 kW | 1,00 kW | 20 m³/h | 2" female thread | 1 ½" female thread | 16,5 | PR20 |
| BADU Prime 20 | 400 V/50 Hz | 1,26 kW | 1,00 kW | 20 m³/h | 2" female thread | 1 ½" female thread | 13,5 | PR20D |

*Pump performance rating at 8 m head

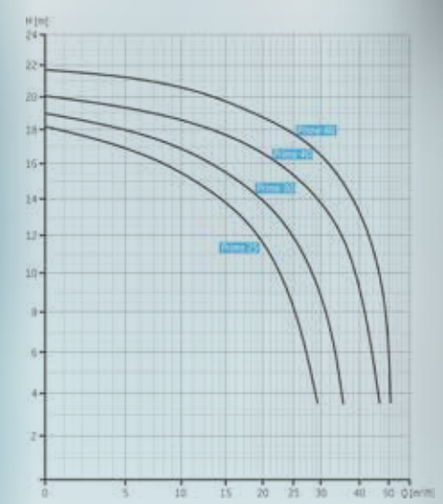
Photos: Speck Pumps

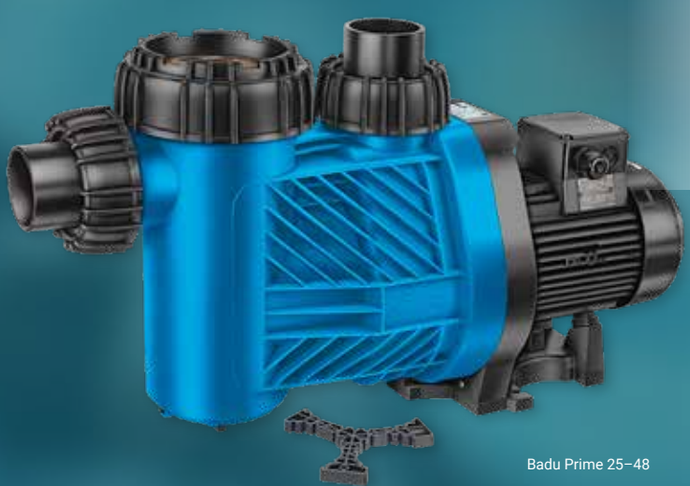
# SPECK BADU PRIME
25 - 48

5 YEARS MANUFACTURER'S WARRANTY

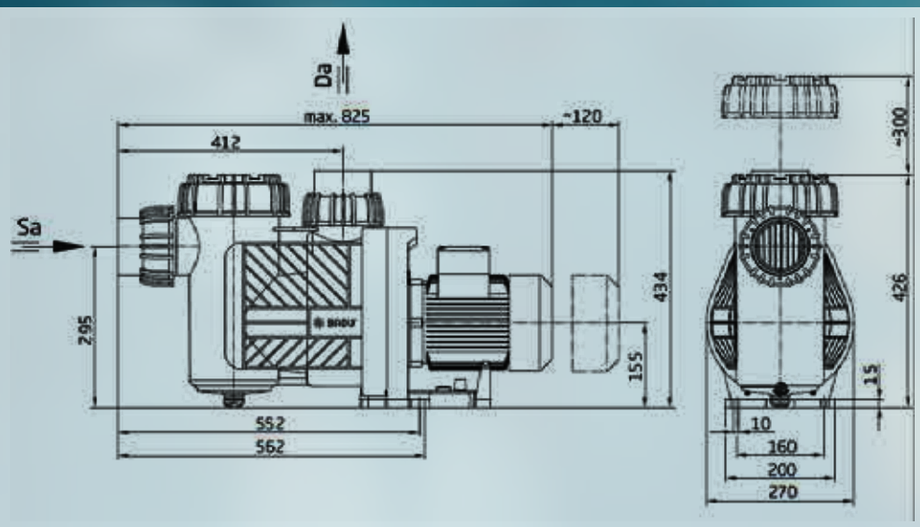
- for pools with a volume of up to 250 m³
- can be installed 3 m above **or** 3 m below the water level
- includes an integrated fiber trap (capacity approx. 6 l)
- suitable for pool water with a salt concentration of up to 0,5% (equivalent to 5 g/l)
- bellows mechanical seal mounted on plastic impeller hub, motor or pump
- motor and pump shaft do not come into contact with the water in the circuit electrical separation
- connection cable is **not** included in the delivery
- protection class IP55.
- salt electrolysis compatible: yes (up to 0,5%)
- sea water compatible: no

**Badu Prime 25–48**





Badu Prime 25–48

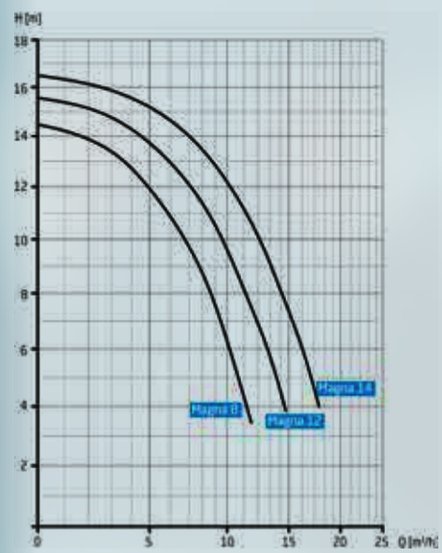



| Article | Voltage | Power consumption P1 | Power output P2 | Pump capacity* | Suction side connection | Pressure side connection | Weight kg | Article Number |
|---|---|---|---|---|---|---|---|---|
| BADU Prime 25 | 400 V/50 Hz | 1,55 kW | 1,30 kW | 25 m³/h | 75 mm slip | 75 mm slip | 21,0 | PR25 |
| BADU Prime 30 | 400 V/50 Hz | 2,00 kW | 1,50 kW | 30 m³/h | 75 mm slip | 75 mm slip | 21,0 | PR30 |
| BADU Prime 40 | 400 V/50 Hz | 2,90 kW | 2,20 kW | 40 m³/h | 90 mm slip | 90 mm slip | 24,0 | PR40 |
| BADU Prime 48 | 400 V/50 Hz | 3,45 kW | 2,60 kW | 48 m³/h | 110 mm slip | 110 mm slip | 26,0 | PR48 |

*Pump performance rating at 8 m head

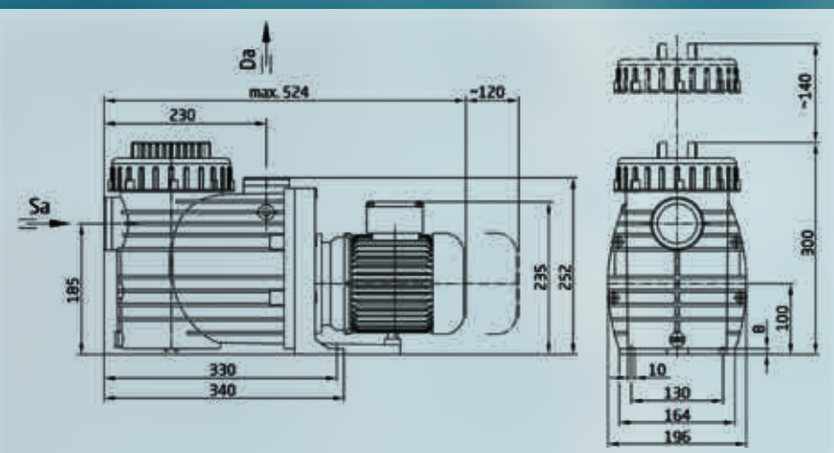
Photos: Speck Pumps

## SPECK BADU MAGNA
8 - 14




The BADU Magna is a proven classic. Especially in continuous operation, the circulation pump is ready for all installation situations. The pool may contain 30 to 90 m³ of water, making the pump the ideal solution for medium-sized pools or smaller swimming ponds. The swimming pool pump is characterized by its high flexibility and also impresses with its consistently high performance.

- For pools with a volume of up to 90 m³.
- Can be installed above or below the water level, max. 3 m in each case, with integrated fiber trap (capacity approx. 3 l), can be used up to a salt concen tration of 0.5 % (corresponds to 5 g/l).
- Bellows mechanical seal mounted on plastic impeller hub, motor or pump shaft does not come into contact with the water in the circuit.
- Electrical isolation.
- Protection class IP55.
- Supplied **without** connection cable.
- Suitable for salt electrolysis: yes (up to 0.5 %)
- Suitable for seawater: no




| Article | Voltage | Power consumption P1 | Power output P2 | Pump capacity* | Suction side con- nection | Pressure side connection | Weight kg | Article number |
|---|---|---|---|---|---|---|---|---|
| BADU Magna 8 | 230 V/50 Hz | 0,50 kW | 0,30 kW | 8,5 m³/h | 2“ female thread | 1 ½“ female thread | 9,2 | MA08 |
| BADU Magna 12 | 230 V/50 Hz | 0,65 kW | 0,45 kW | 11 m³/h | 2“ female thread | 1 ½“ female thread | 9,5 | MA12 |
| BADU Magna 14 | 230 V/50 Hz | 0,98 kW | 0,65 kW | 14 m³/h | 2“ female thread | 1 ½“ female thread | 11,6 | MA14 |

*Pump performance rating at 8 m head

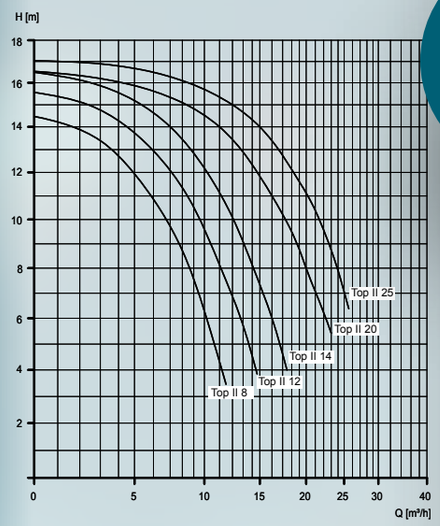


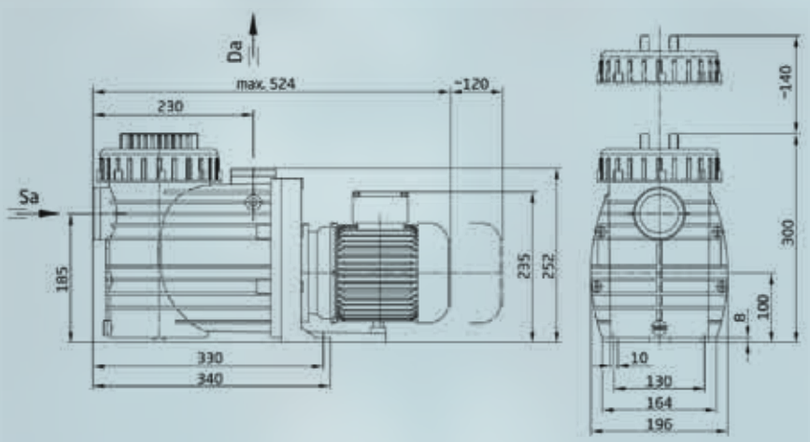
Photos: Speck Pumps

# SPECK BADU TOP II
8 - 25

This classic among BADU swimming pool pumps is the ideal solution for medium-sized above-ground pools, in ground pools, or smaller swimming ponds.
Thanks to carefully selected materials and a low-maintenance design, the BADU Top II is a proven long-distance runner. Furthermore, its excellent suction capacity makes it possible to connect a pool cleaner upstream at any time. With its high flexibility and certified safety, this reliable pump series stands for exceptional durability.

- for pools with volumes up to 145 m³.
- installable max. 3 m above or below the water level, with an integrated strainer tank (capacity approx. 3 l); can be used with salt concentrations up to 0.5% (equivalent to 5 g/l)
- bellows-type mechanical seal mounted on plastic impeller hub,
- motor and pump shaft do not come into contact with the circulating water – electrical separation.
- **includes** 3.5 m connection cable.
- protection class IPX4.
- salt electrolysis suitable: yes (up to 0.5%)
- seawater suitable: no






| Article | Voltage | Power consumption P1 | Power output P2 | Pump capacity* | Suction side connection | Pressure side connection | Weight kg | Article number |
|---|---|---|---|---|---|---|---|---|
| BADU Top II-8 | 230 V/50 Hz | 0,50 kW | 0,30 kW | 8,5 m³/h | 2“ female thread | 1 ½“ female thread | 9,2 | BT08 |
| BADU Top II-12 | 230 V/50 Hz | 0,65 kW | 0,45 kW | 11 m³/h | 2“ female thread | 1 ½“ female thread | 9,5 | BT12 |
| BADU Top II-14 | 230 V/50 Hz | 0,97 kW | 0,65 kW | 14 m³/h | 2“ female thread | 1 ½“ female thread | 11,6 | BT14 |
| BADU Top II-20 | 230 V/50 Hz | 1,37 kW | 1,05 kW | 20 m³/h | 2“ female thread | 1 ½“ female thread | 17,0 | BT20 |
| BADU Top II-25 | 230 V/50 Hz | 1,70 kW | 1,30 kW | 24 m³/h | 2“ female thread | 1 ½“ female thread | 19,8 | BT25 |

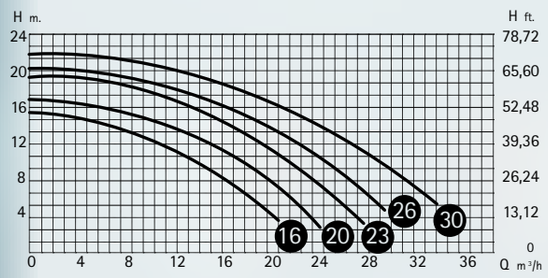
*Pump performance rating at 8 m head

Photos: Speck Pumps

## MIDA.GAMMA
16 - 30

EXCLUSIVE MIDAS

- for pools with a volume up to 180 m³
- pool water circulation via a filtration system
- can be installed up to 3 m above **or** 3 m below the water level
- single-stage centrifugal pump with integrated pre-filter
- for use in salt electrolysis: available upon request
- electric self-priming pool pump with a large pre-filter, delivering a very high filtration capacity thanks to its excellent hydraulic performance.
- motor and pump shaft do not come into contact with the water in the circuit electrical separation
- Includes standard key for easy opening of the pre-filter lid
- protection class IP55
- the delivery **includes** a 1.4 m connection cable
- salt concentration up to 0.5%
- sea water compatible: no



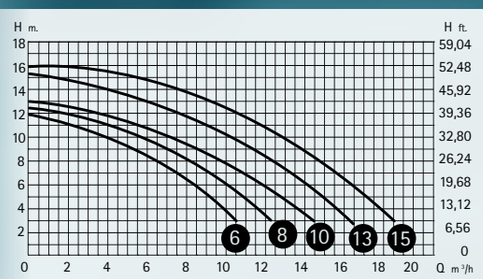
| Article | Voltage | Power consumption P1 | Power output P2 | Pump capacity* | Connections (suction and pressure side) | Weight kg | Article Number |
|---|---|---|---|---|---|---|---|
| MIDA.Gamma 16 | 230 V/50 Hz | 1,11 kW | 0,55 kW | 15,7 m³/h | 63 mm/2" female thread | 11,9 | 22760 |
| MIDA.Gamma 20 | 230 V/50 Hz | 1,30 kW | 0,75 kW | 19,7 m³/h | 63 mm/2" female thread | 13,1 | 22761 |
| MIDA.Gamma 23 | 230 V/50 Hz | 1,70 kW | 1,10 kW | 23,0 m³/h | 63 mm/2" female thread | 15,5 | 22762 |
| MIDA.Gamma 26 | 230 V/50 Hz | 2,10 kW | 1,50 kW | 26,0 m³/h | 63 mm/2" female thread | 17,1 | 22763 |
| MIDA.Gamma 30 | 230 V/50 Hz | 2,83 kW | 2,20 kW | 30,0 m³/h | 63 mm/2" female thread | 21,0 | 22764 |

*pump performance rating at 8 m head

## MIDA.ALPHA
6 - 15

EXCLUSIVE MIDAS

- for pools with a volume up to 90 m³
- pool water circulation via a filtration system
- can be installed up to 3 m above **or** 3 m below the water level
- single-stage centrifugal pump with integrated pre-filter
- for use in salt electrolysis: available upon request
- electric self-priming pool pump with a large pre-filter, delivering a very high filtration capacity thanks to its excellent hydraulic performance.
- motor and pump shaft do not come into contact with the water in the circuit - electrical separation
- protection class IP55.
- the delivery **includes** a 1.5 m connection cable
- salt concentration up to 0.5%
- sea water compatible: no



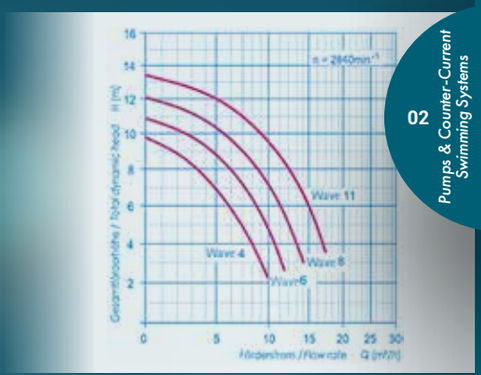
| Article | Voltage | Power consumption P1 | Power output P2 | Pump capacity* | Connections (suction and pressure side) | Weight kg | Article Number |
|---|---|---|---|---|---|---|---|
| MIDA.Alpha 6 | 230 V/50 Hz | 0,29 kW | 0,18 kW | 6,0 m³/h | 50 mm/1 ½" female thread | 10 | 22750 |
| MIDA.Alpha 8 | 230 V/50 Hz | 0,38 kW | 0,25 kW | 8,0 m³/h | 50 mm/1 ½" female thread | 10 | 22751 |
| MIDA.Alpha 10 | 230 V/50 Hz | 0,57 kW | 0,37 kW | 10,0 m³/h | 50 mm/1 ½" female thread | 10 | 22752 |
| MIDA.Alpha 13 | 230 V/50 Hz | 0,80 kW | 0,55 kW | 12,5 m³/h | 50 mm/1 ½" female thread | 11 | 22753 |
| MIDA.Alpha 15 | 230 V/50 Hz | 1,06 kW | 0,75 kW | 15,3 m³/h | 50 mm/1 ½" female thread | 11 | 22754 |

*pump performance rating at 8 m head

## MIDA.WAVE
4 - 11

EXCLUSIVE MIDAS

- for pools with a volume up to 65 m³
- self-priming pool pump made of plastic for circulating pool water with integrated fiber catcher (capacity approx. 0.5l)
- hose connection with nozzle Ø 38/32 mm and with cuff socket Ø 50 mm
- slip connection, 230 V, corrosion-resistant to pool water and the supplied chemicals,
- quick self-priming ensures easy startup of the filtration system and effective bottom cleaning
- can be installed up to 2 m above **or** 3 m below the water level
- block pump with integrated fiber catcher
- bellows mechanical seal mounted on plastic impeller hub
- motor and pump shaft do not come into contact with the water in the circuit electrical separation
- protection class IPX5
- the delivery **includes** a 3.4 m connection cable
- salt electrolysis compatible: yes (up to 0,5%)
- sea water compatible: no



| Article | Voltage | Power consumption P1 | Power output P2 | Pump capacity* | Connections (suction side and pressure side) | Weight kg | Article Number |
|---|---|---|---|---|---|---|---|
| MIDA.Wave 4 | 230 V/50 Hz | 0,35 kW | 0,18 kW | 4 m³/h | optionally 50 mm slip or 32/38 mm hose connection | 6,4 | 22700 |
| MIDA.Wave 6 | 230 V/50 Hz | 0,45 kW | 0,30 kW | 6 m³/h | optionally 50 mm slip or 32/38 mm hose connection | 6,8 | 22701 |
| MIDA.Wave 8 | 230 V/50 Hz | 0,60 kW | 0,40 kW | 8 m³/h | optionally 50 mm slip or 32/38 mm hose connection | 7,8 | 22702 |
| MIDA.Wave 11 | 230 V/50 Hz | 0,69 kW | 0,5 kW | 11 m³/h | optionally 50 mm slip or 32/38 mm hose connection | 8,8 | 22703 |

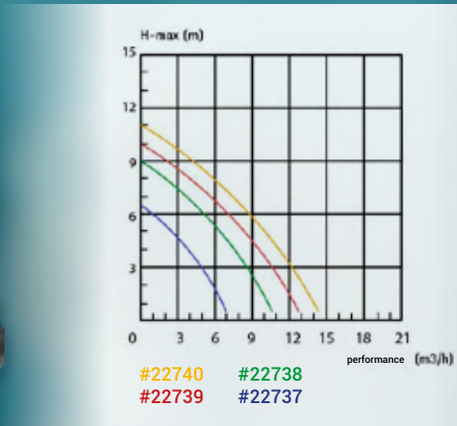
*pump performance rating at 8 m head

## MIDA.POMBI
4 - 10

EXCLUSIVE MIDAS

PRICE REDUCTION

- for pools with a volume up to 40 m³
- made of plastic, with an integrated pre-filter, for circulating pool water
- the delivery **includes** a 1.2 m connection cable
- salt electrolysis compatible: yes (up to 0,4%)
- sea water compatible: no
- protection class IP54



| Article | Voltage | Power consumption P1 | Power output P2 | Pump capacity max. | Connections (suction side and pressure side) | Weight kg | Article Number |
|---|---|---|---|---|---|---|---|
| MIDA.Pombi 4 | 230 V/50 Hz | 0,29 kW | 0,20 kW | 7 m³/h | both sides 1½" female thread (BSP) with 32/38 mm hose nipples | 5,9 | 22737 |
| MIDA.Pombi 6 | 230 V/50 Hz | 0,41 kW | 0,30 kW | 11 m³/h | both sides 1½" female thread (BSP) with 32/38 mm hose nipples | 9,0 | 22738 |
| MIDA.Pombi 8 | 230 V/50 Hz | 0,49 kW | 0,35 kW | 13 m³/h | both sides 1½" female thread (BSP) with 32/38 mm hose nipples | 9,9 | 22739 |
| MIDA.Pombi 10 | 230 V/50 Hz | 0,86 kW | 0,60 kW | 14,5 m³/h | both sides 1½" female thread (BSP) with 32/38 mm hose nipples | 10,9 | 22740 |

# COUNTER-CURRENT SWIMMING SYSTEMS

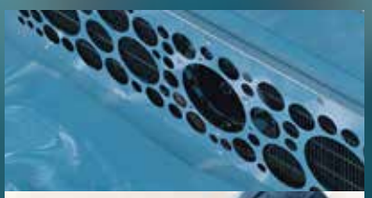
According to the warranty terms

## SPECK BADU JET TURBO & TURBO SALT

INNOVATION, PERFORMANCE AND ELEGANT DESIGN COMBINED.

The premium counter-current swimming system BADU JET Turbo combines innovative technology with elegant design in the trusted BADU quality, “Made in Germany”. More compact than the BADU JET Turbo Pro, the BADU JET Turbo is perfect for recreational and fitness swimmers. Not only is it a design highlight, but it also excels in terms of safety and is certified with the GS mark* by TÜV. The BADU Jet Turbo is an upgrade for any pool and provides an endless swimming experience without the need to turn. For prefabricated pools with wall thicknesses of 8-17 mm, the additional kit #1204-ZK (see page 69) is required.

- built-in housing made of ABS
- nozzle housing made of ABS
- covers made of ABS / stainless steel
- intermediate flange made of PPE
- drive unit made of PPE/PP/stainless steel
- sliding bearings SiC/SiC
- stainless steel screws



**INNOVATIVE**

The flow-optimized and efficient propeller technology creates a smooth, uniform flow pattern, providing a particularly natural swimming experience that is akin to real open-water feeling.

**AESTHETIC**

On the poolside, covers made of high-quality polished stainless steel are available in two different designs, which seamlessly blend into exclusively designed pool systems without compromising the aesthetics of the pool.

**LOW MAINTENANCE**

The BADU JET Turbo is powered by an efficient permanent magnet motor. The power is transferred to the propeller contactlessly via a magnetic coupling. Without a continuous drive shaft and dynamic seals, the design is particularly wear-resistant. It is also highly maintenance-friendly, as the drive unit can be easily removed at any time without the need to lower the pool water level.

**SAFE**

But the BADU JET Turbo is not only a real design highlight, it also excels in terms of safety: Designed in compliance with relevant safety standards (DIN EN 16582-1 & DIN EN 16713-2) and certified with the GS mark* by TÜV, it ensures safe swimming enjoyment for the whole family. In addition, all electrical components are hermetically sealed from the pool water, ensuring no voltage can enter the pool.

When ordering a complete system, please specify the article number for the standard assembly kit **and** drive unit kit.

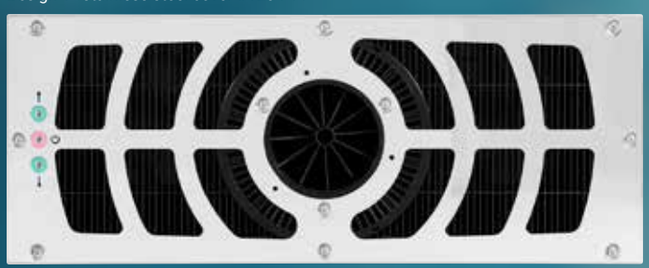
## SPECK BADU TURBO STANDARD PRE-ASSEMBLY KIT

FOR DESIGN 1, DESIGN 2 & DESIGN SALT

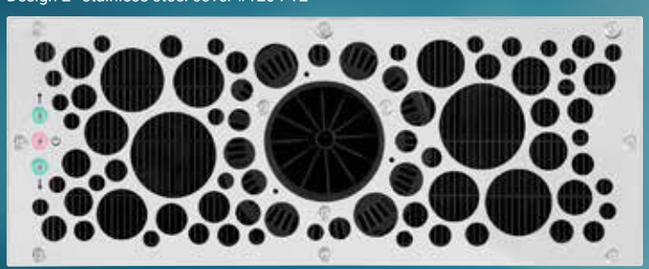
**Scope of delivery**

- plastic built-in housing
- tension ring
- suction grid
- stainless steel cover Design 1, design 2 or Design Salt**
- propeller unit
- nozzle unit
- piezo button
- seals
- screws

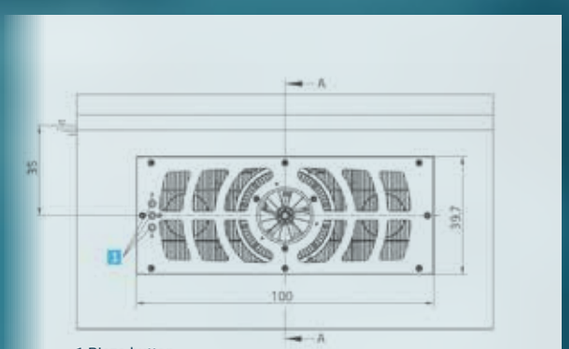
Design 1* stainless steel cover #1204-T1



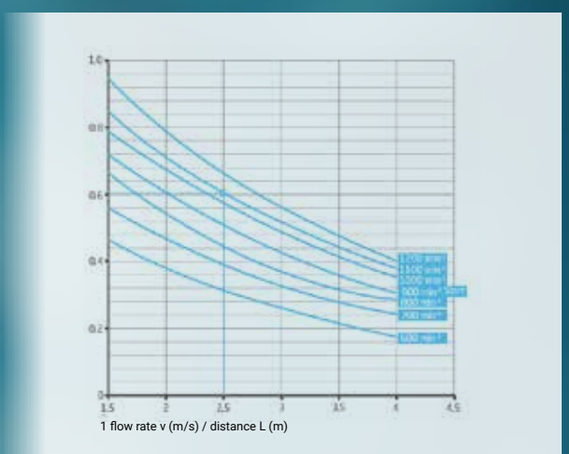
Design 2* stainless steel cover #1204-T2



*not suitable for salt electrolysis



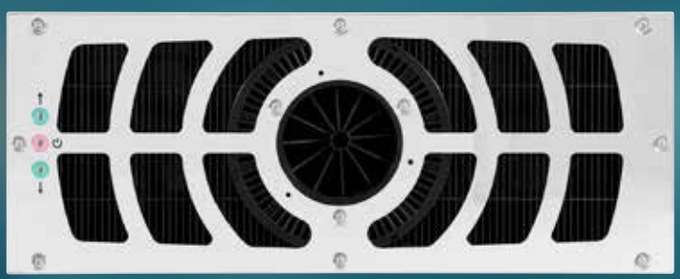

1 Piezo button




1 flow rate v (m/s) / distance L (m)

## SALTWATER VERSION

Design 3 plastic cover



The piezo button and the screws are also corrosion-resistant and made of high-quality **stainless steel V5A** in the saltwater version.

| Article | Article Number |
|---|---|
| BADU JET Turbo Pre-assembly kit, design 1 | 1204-T1* |
| BADU JET Turbo Pre-assembly kit, design 2 | 1204-T2* |
| BADU JET Turbo Salt Pre-assembly kit, design Salt | 1204-T3 |

*not suitable for salt electrolysis

**Mandatory**: Final assembly kit
Article #1204-TA1 or #1204-TA on page 69
**Optional**: BADU Jet technical shaft
#1206 on page 71

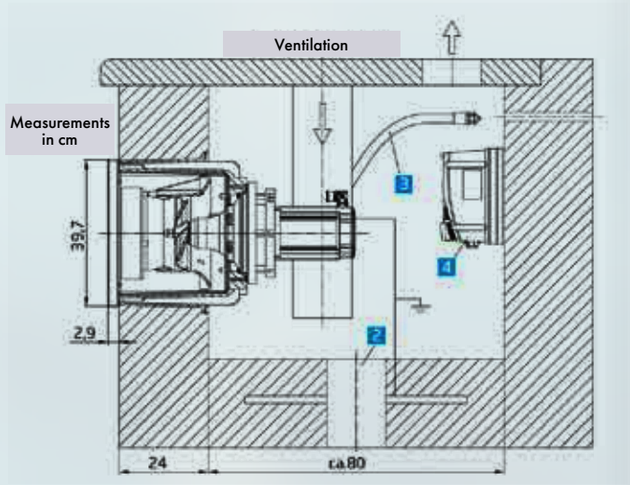
## DRIVE KIT 3 N~ COMPLETE MOUNTING SET

**Scope of delivery**
- motor unit (seal-less magnetic coupling)*
- frequency converter
- control box
- remote control
- screws
- motor cable, shielded, 10m or 25m

**Technical Specifications**
for 50/60 Hz BADU JET Turbo Pro drive unit
- flow rate 125-245 m³/h
- power consumption P1/-output P2 1,90/1,50 kW
- number of nozzles 1 (Ø 172 mm)
- flow rate 1,50-3,00 m/s
- nozzle fully adjustable ± 5 Grad
- net weight 43,50 kg

**Technical Specifications**
for 50/60 Hz BADU JET Turbo frequency converter
- power 1,50 kW
- voltage 200-240 V
- net weight 4,10 kg

Non-binding installation diagram




2 Floor drain
3 Protective hose, piezo button cable
4 Frequency converter

| Article | Voltage | Power output P2 | Cable length | Article Number |
|---|---|---|---|---|
| BADU JET Turbo Finished assembly kit | 200 - 240 V | 1,50 kW | 25 m | 1204-TA1 |
| BADU JET Turbo Finished assembly kit | 200 - 240 V | 1,50 kW | 10 m | 1204-TA |

## ADDITIONAL KIT

| Article | Article Number |
|---|---|
| additional kit for prefabricated pools with wall thickness 8-17 mm | 1204-ZK |
| additional kit for prefabricated pools with wall thickness 18-27 mm | 1204-ZK1 |

200 m³/h

In accordance with the warranty terms

BADU 5 JAHRE QUALITÄTS GARANTIE

## SPECK BADU JET TURBO LIGHT

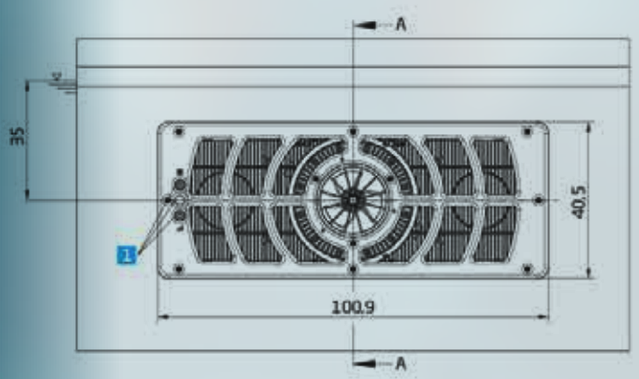
**NEW** #1204

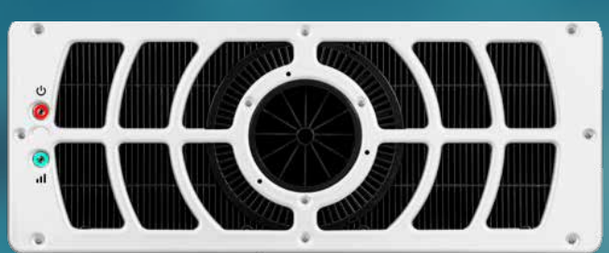
The entry into the turbo class. Complete system with max. 200 m³/h at only 1.80 kW power consumption.

Efficient permanent magnet motor with mechanical seal, featuring an integrated frequency inverter and 3 stages (125-200 m³). White ABS cover – system is not suitable for salt electrolysis. ABS installation housing, nozzle unit, and cover with stainless steel screws.

**mechanical seal:** carbon/ceramic/NBR
**flow rate:** 90-200 m³/h at 230 V / 1~
**power consumption:** 1.1 kW
**nominal current:** 0.65 – 7.80 A
outflow velocity: 1.1 - 2.4 m/s
pool size from: 3 x 5 m
1 nozzle 120 mm, +/-5° swiveling
net weight: 43.5 kg

**includes** remote control (waterproof)



#1205

**NEW**

#1204

| Article | Article Number |
|---|---|
| BADU JET Turbo Light with white cover | 1205* |
| BADU JET Turbo Light with gray cover | 1204* |

*not suitable for salt electrolysis

**Optional**: BADU Jet technical shaft #1206 on page 71

## OPTIONAL ACCESSORIES

The BADU Jet Turbo Light counter-current swimming system can be optionally equipped with the stainless steel covers of the BADU Jet Turbo.

design 1* stainless steel cover #1204-T6

design 2* stainless steel cover #1204-T7

| Article | Article Number |
|---|---|
| BADU Jet Turbo stainless steel cover Design 1 | 1204-T6* |
| BADU Jet Turbo stainless steel cover Design 2 | 1204-T7* |

## ADDITIONAL KIT

| Article | Article Number |
|---|---|
| additional kit for prefabricated pools with a wall thickness of 8-17 mm | 1204-ZK |
| additional kit for prefabricated pools with a wall thickness of 18-27 mm | 1204-ZK1 |

# BADU JET TURBO TECHNICAL SHAFT

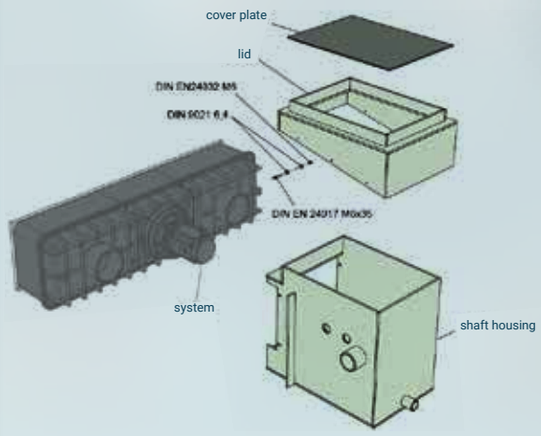
## FOR ALL BADU JET TURBO AND TURBO LIGHT SYSTEMS

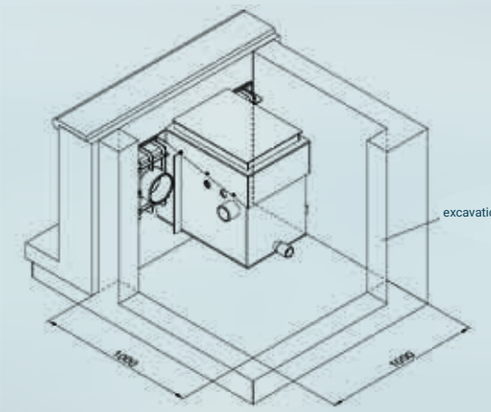
The polypropylene shaft provides connections for ventilation, cable bushings, and a floor drain. Featuring a maintenance cover and an adjustable frame, it is suitable for straight or sloped pool walls and is highly versatile.

With a matching shaft cover, it can be discreetly integrated into the pool area. The lid can be filled with materials such as tiles, granite, marble, or wood.

- suitable for all BADU systems
- made of polypropylene
- external dimensions (W x H x D) 455 x 675 x 702 mm
- internal dimensions (W x H x D) 410 x 655 x 655 mm
- lid: 410 x 550 mm
- ventilation: 90 mm
- floor drain: 50 mm
- cable bushing: 40 mm
- adjustable upper section

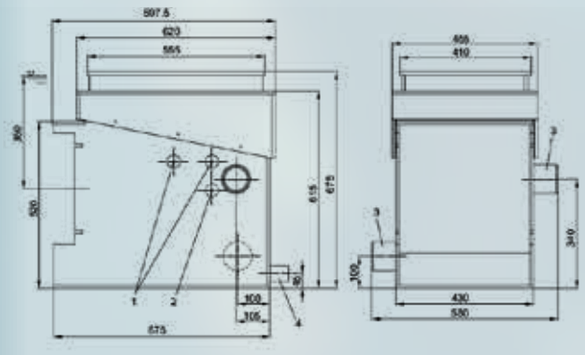
Example image
installation housing and pump for the counter-current swimming system are not included in the delivery



#1206

**Dimensions**



1: cable bushing ø 40 mm
2: conduit for cable protection hose
3: connection for ventilation ø 90 mm
4: connection for floor drain ø 50 mm

| Article | Article Number |
|---|---|
| BADU Jet Turbo Technical shaft | 1206 |

# 03

# MEASURING, CONTROL & DISINFECTION TECHNOLOGY

*PERFECTION IN EVERY DROP – YOUR POOL EXPERIENCE REDEFINED*
*True luxury lies in the details. With MIDA.measuring and control units, pool maintenance becomes an effortless pleasure – for water that is always crystal clear and perfectly balanced.*

*Thanks to the precise dosing of pH, ORP, or free chlorine and algaecide via the NET connection, you maintain full control over all essential parameters at all times.*

*The **MIDA.Sin Salt 2.0** with salt electrolysis (30 g/h) ensures gentle, healthy water treatment, while modern **MIDA.Sin Pro NET** dosing systems reduce chlorine to a minimum and further optimize water quality.*

*Both systems are far more than just control units – they are complete pool managers that reliably control the pump, heating, lighting, and other functions, enabling an all-around perfect pool experience with minimal effort.*

*Enjoy crystal clarity, maximum hygiene, and luxurious comfort – every swim becomes a moment of pure relaxation and complete enjoyment.*

## OVERVIEW


**MEASUREMENT & CONTROL UNITS**

P. 78 MIDA.Profi Plus
NEW P. 82 MIDA.Sin Pro 2.0
P. 82 MIDA.Sin Pro
NEW P. 86 MIDA.Sin NET +
NEW P. 88 MIDA.Sin NET
NEW P. 90 Dosing Station

**SALT ELECTROLYSIS & OPTIONAL ACCESSORIES**

NEW P. 92 Salt electrolysis system MIDA.Sin Salt 2.0 & MIDA.Sin Salt eOX 2.0
P. 96 Salt electrolysis system MIDA.Sin Salt & MIDA.Sin Salt eOX
NEW P. 98 MIDA.Sin Salt NET
P. 100 Optional Accessories & Replacement Parts
P. 109 Pool Salt & Buffer Solutions
P. 110 MIDA.Low Salt & MIDA.Salt
P. 114 Optional Accessories & Replacement Parts for MIDA.LOW Salt

**UV-C TECHNOLOGY**

NEW P. 116 UV-C Disinfection

# COMPARISON TABLE

| | | NEW | | discontinued model | | NEW | | NEW | |
|---|---|---|---|---|---|---|---|---|---|
| | MIDA.Profi Plus | MIDA.Sin Pro 2.0 | | MIDA.Sin Pro | | MIDA.Sin NET + | | MIDA.Sin NET *2026 version* | |
| | 30025 | 30068 | 30069 | 30060 | 30061 | 30070 | 30071 | 30072 | 30073 |
| process | liquid chlorine | | | | | | | | |
| max. pool size in m³ | 2.500 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| size color touch display | 6,9" | 6,9" | 6,9" | 5,7" | 5,7" | 3,5" | 3,5" | 3,5" | 3,5" |
| quantity peristaltic metering pumps | - | 4 | 4 | 4 | 4 | 3 | 3 | 2 | 2 |
| pH measurement | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ORP measurement (mv) | ✓ | ✓ | - | ✓ | - | ✓ | - | ✓ | - |
| free chlorine measurement (mg/l) | ✓ | - | ✓ | - | ✓ | - | ✓ | - | ✓ |
| salt measurement | - | - | - | - | - | - | - | - | - |
| measurement water temperature | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| pH dosage | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| chlorine dosage | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| algaecide dosage | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | - | - |
| flocculation dosage | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - |
| oxygen dosage | - | (✓) | (✓) | (✓) | (✓) | (✓) | (✓) | (✓) | (✓) |
| LAN connection | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| filter control | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| backwash (Besgo) | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | - | - |
| heating control | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | - | - |
| solar absorber / timer function | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | - | - |
| level control | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | - | - |
| Remote control | ✓ | ✓ | ✓ | - | - | - | - | - | - |
| winter operation | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | - | - |
| switching function overflow channel / floor drain (Besgo) | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | - | - |

**outdoor pools up to 28°C water temperature / 24h filter runtime / cover not included in the delivery

***pool manager system / intuitive menu navigation / easy operation / universal spare parts / filter control via remote app***

## MIDA.PROFI PLUS

dosing system, pH/ORP/chlorine NET
#30025

- ✓ suitable for pools up to 2,500 m³
- ✓ for public pools (according to DIN 19643)
- ✓ includes pool management control via the remote app
- ✓ large 6.9" touchscreen display with intuitive menu navigation
- ✓ precise sensor technology featuring CLF, ORP, pH and optional CLT probe for exact water analysis

## MIDA.SIN PRO 2.0

dosing system pH/chlorine NET oder pH/ORP NET
#30068 / #30069

- ✓ suitable for private pools up to 250 m³
- ✓ includes enhanced filter control
- ✓ includes real-time pool management control via the remote app
- ✓ new, larger 6.9" touchscreen display with intuitive and easy menu navigation

## MIDA.SIN NET +

dosing system, pH/chlorine NET+ oder pH/ORP NET+
#30071 / #30070

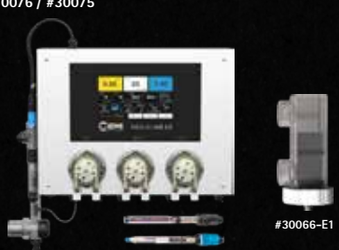
- ✓ suitable for private pools up to 250 m³
- ✓ filter control via potential-free contact
- ✓ includes third dosing pump for flocculation
- ✓ includes real-time monitoring of pool management via the Pool Live App
- ✓ control of an unregulated electrolysis system possible

| NEW | | | discontinued model | | NEW | | discontinued model | NEW | | |
|---|---|---|---|---|---|---|---|---|---|---|
| MIDA.Sin Salt 2.0 | | MIDA.EXT Salt 2.0 | MIDA.Sin Salt | | MIDA.Sin Salt eOX 2.0 | MIDA.EXT Salt eOX 2.0 | MIDA.Sin Salt eOX | MIDA.Sin Salt NET | | MIDA.EXT Salt NET |
| 30076 | 30075 | 30075-E2 | 30063 | 30064 | 30077 | 30077-E2 | 30065 | 30067 | 30066 | 30067-E2 |
| salt electrolysis | | | | | | | | | | |
| 100** | 100** | 100** | 90 | 90 | 70** | 70** | 90 | 70** | 70** | 70** |
| 6,9" | 6,9" | - | 5,7" | 5,7" | 6,9" | - | 5,7" | 3,5" | 3,5" | - |
| 3 | 3 | - | 2 | 2 | 3 | - | 2 | 2 | 2 | - |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | - | ✓ | ✓ | ✓ | - |
| - | ✓ | - | - | ✓ | ✓ | - | ✓ | - | ✓ | - |
| ✓ | - | - | ✓ | - | - | - | - | ✓ | - | - |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | - | ✓ | ✓ | ✓ | - |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | - | ✓ | ✓ | ✓ | - |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | - | ✓ | ✓ | ✓ | - |
| - | - | - | - | - | - | - | - | - | - | - |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | - | ✓ | (✓) | (✓) | - |
| ✓ | ✓ | - | - | - | ✓ | - | - | (✓) | (✓) | - |
| - | - | - | - | - | - | - | - | - | - | - |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | - | ✓ | ✓ | ✓ | - |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | - | ✓ | ✓ | ✓ | - |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | - | ✓ | - | - | - |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | - | ✓ | - | - | - |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | - | ✓ | - | - | - |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | - | ✓ | - | - | - |
| ✓ | ✓ | - | - | - | ✓ | - | - | - | - | - |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | - | ✓ | - | - | - |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | - | ✓ | - | - | - |

**!** ***With the exception of eOX systems, the systems can be easily switched between ORP and free chlorine control.***

## MIDA.SIN SALT 2.0

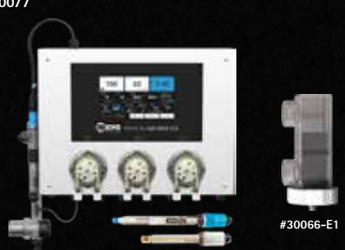
Salt electrolysis system, pH/chlorine NET oder pH/ORP NET
#30076 / #30075




- ✓ suitable for private pools up to 100 $m^3$
- ✓ innovative cell technology – up to 20% higher efficiency (max. 30 g/h) at a salt concentration of only 4 g/l
- ✓ upgrade: now with integrated flocculant pump
- ✓ includes electrolysis cell

## MIDA.SIN SALT EOX 2.0

Low-Salt-Salt electrolysis system pH/ORP NET
#30077




- ✓ suitable for private pools up to 100 $m^3$
- ✓ for pools with low salt content (up to max. 2 g/l)
- ✓ upgrade: now with integrated flocculant pump
- ✓ includes real-time pool management control via the remote app
- ✓ includes electrolysis cell

## MIDA.SIN SALT NET

Salt electrolysis system, pH/chlorine NET oder pH/ORP NET
#30067 / #30066

- ✓ suitable for private pools up to 70 $m^3$
- ✓ compact salt electrolysis, up to 20 g/h at 4 g/l salt
- ✓ includes filter control via potential-free contact
- ✓ includes real-time pool management control via the remote app

# QUICK OVERVIEW OF MEASURING AND CONTROL UNITS

## STANDARD EQUIPMENT for MIDA.Profi Plus, MIDA.Sin Pro (2.0), MIDA.Sin NET+, MIDA.Sin NET, MIDA.Sin Salt (2.0), MIDA.Sin Salt eOX (2.0) & MIDA.Sin Salt NET:

- measuring and control unit
- Long Life pH probe
- electric flow switch **including** pre-filter
- immersion sleeve and sample water shut-off valves 6 x 4 mm
- suction lances for container extraction
- screws and wall plugs for wall mounting
- comprehensive and detailed manual via QR code
- WEEE Reg. No. DE30146029 for recycling of waste equipment

Note: The reducers 50 mm x ¼" female thread are no longer included in the scope of delivery. Please order these separately from now on.

Note: The adhesive plugs 50 x ¼" #30010-E19 (page 105) are no longer included in the scope of delivery. Please order these or the transparent section 63/50 x ¼" #30010-E82 (page 105) separately from now on.

## GENERAL DESCRIPTION

FOR MIDA.PROFI PLUS, MIDA.SIN PRO 2.0, MIDA.SIN PRO, MIDA.SIN SALT 2.0, MIDA.SIN SALT, MIDA.SIN SALT EOX 2.0 & MIDA.SIN SALT EOX

- **compact measuring and control unit with integrated probe holders and dosing pumps, 230 V, protection class IP30**
- **includes pool management system, controls the following components:**
  - filter pump (230 V up to 1.4 kW via a socket attached to the unit for MIDA.Sin Pro, MIDA.Sin Salt & MIDA.Sin Salt eOX) and frequency-controlled pumps (Speck, Pentair, Hayward, DAB E.Swim UWE, Aquagem), as well as 400 V via on-site relay
  - backwashing with Besgo 5-way pressure valve
  - heating control (heat pump, heat exchanger, electric heater)
  - solar function or timer-programmable relay for e.g. lighting
  - level control (optional water level probe required, see page 100)
  - economy mode for overflow pools with Besgo 3-way pressure valve (overflow gutter, floor drain) or float switch
  - winter mode (optional air temperature thermometer required, see page 104)
  - **includes** NET: with LAN connection for remote monitoring of water values (no changes) via browser, app, or external touch display (optional). Features secure communication **without** potential interference compared to WiFi connections.
    The Pool Live App displays water values in real-time, error messages, and container fill levels.
    The web application displays all parameters through clear graphics and a detailed history.
    Data is recorded for 30 days.

## ALL ADVANTAGES AT A GLANCE!

- user-friendly, intuitive menu navigation via 5.7" color touch display
- easy installation and retrofitting with any existing system
- **includes** flow monitor with pre-filter (safety shutdown in case of no flow)
- high-quality dosing pumps (max. 3.6 l/h) with minimal maintenance
- measurement and control of pH value (pH- or pH+; with MIDA.Profi Plus and MIDA.Sin Pro, both simultaneously possible)
- additional dosing of algaecide to support disinfection and prevent algae growth
- additional dosing of flocculation for crystal-clear water (only with MIDA.Sin Pro)
- premium glass sensors with 2-year warranty
- advanced safety features (dosing delay, overdose protection, max. hourly dosing, rapid pH changes, and max. dosing **without** sensor feedback)

# SMART POOL CONTROL

**Pool Remote App -** Remote control that feels close.

Enables real-time control of your pool – locally or remotely.

## Top Advantages:

+ **Control your pool from anywhere – worldwide.**
+ **All modes at the touch of a button:** Party, Auto, ECO, Winter
+ **Perfect control:** Modes, relays, and other details can be controlled remotely.
+ **Everything at a glance:** Real-time monitoring of pH, ORP, temperature, and chlorine.
+ **Complete control:** Water level, heating and backwashing, solar, VS pump, flow control, free relay, temperature calibration.

Available with:

**MIDA.Profi Plus**
**MIDA.Sin Salt 2.0**
**MIDA.Sin Salt eOX 2.0**
**MIDA.Sin Pro 2.0**

JETZT BEI Google Play | Laden im App Store

# SMART POOL MONITORING

**Pool Live App -** Everything at a glance. In real time.

Enables real-time monitoring of your pool – locally or remotely.

## Top Advantages:

+ **Monitor your pool from anywhere – worldwide.**
+ **Water quality always in view:** pH, chlorine, ORP in real time.
+ **Instant alerts:** The app informs you immediately in the event of deviations or malfunctions.
+ **Precise dosing recommendations:** Identify chemical requirements and optimize usage efficiently.
+ **Maintenance & Control:** Maintenance reminders, monitoring of units, and system status.

Suitable for:

**all dosing and salt electrolysis systems**

JETZT BEI Google Play | Laden im App Store

Browser view:*

# MEASUREMENT AND CONTROL UNITS

## MIDA.PROFI PLUS

EXCLUSIVE MIDAS

### A SYSTEM FOR PRIVATE AND COMMERCIAL USE - WITH MANY OPTIONS

MIDA.Profi Plus is a state-of-the-art system, **specially designed for use in public facilities** where the highest demands for control accuracy and hygiene standards must be met. Equipped with a CLF sensor for precise measurement of free chlorine, a ORP sensor, a pH sensor, and optionally a CLT sensor for total chlorine measurement, this device meets all water quality requirements. It can be equipped with dosing hose pumps or diaphragm dosing pumps. The system automatically regulates the water parameters within a predefined range. In addition to controlling water parameters, it also includes filter control (for VS pumps), water level regulation, and heating control. Furthermore, the system can be remotely controlled via the Pool Remote app. For security reasons, water parameters can only be modified on-site.

**also suitable for active oxygen**

intuitive, and color
touch-screen display with 6,9"

#30010-E6

Dosing hose pumps are mandatory for the installation! We recommend 12 V dosing pumps, see page 80; diaphragm dosing pumps are available on request.

**Integrated Remote Control**
Many functions can be controlled via the app, regardless of your location.

★ ★ ★
**2 YEARS WARRANTY***
on all probes

**Measurement:**
- pH
- free chlorine
- total chlorine (optional)
- ORP potential
- temperatures
- water Level
- flow (optional)

**Control :**
- pH
- chlorine
- temperature
- water Level

### Dosing Hose Pumps

The MIDA.Profi Plus features 6 outputs for dosing pumps.

The dosing hose pumps are **not** included in the delivery.

### Relay Control

Includes a potential-free switch contact (relay) for controlling the cover, lighting, or other features (On/Off).
An additional 4 switch contacts can be controlled via an extra module #30010-E64 (weekly timer, countdown, or On/Off).

### KEY ADVANTAGES AT A GLANCE!

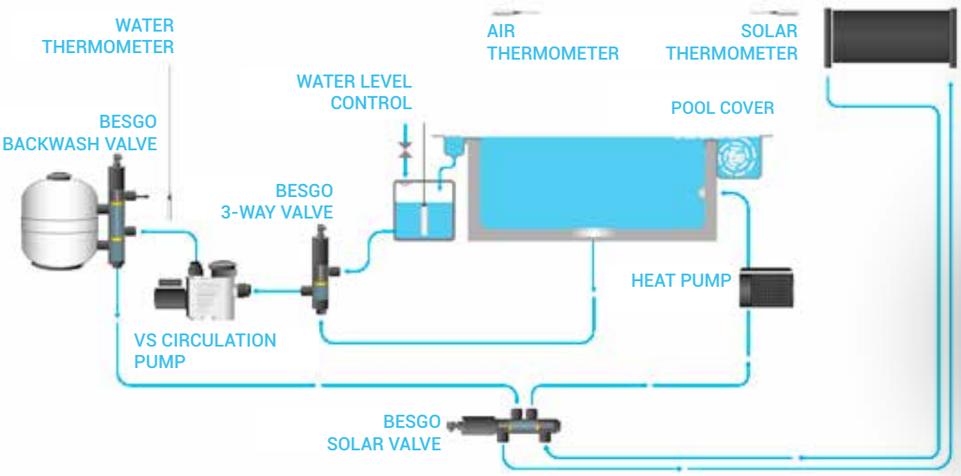
- ✓ Modern 6.9" Touchscreen Display
- ✓ Easy and intuitive operation
- ✓ Multilingual user interface (DE, CZ, GB, RUS, PL)
- ✓ Compact design
- ✓ Very easy installation
- ✓ Advanced safety features
- ✓ Flow measurement and display via #FloVis
- ✓ Includes LAN connection
- ✓ Recording of measured values



* The lifespan can be affected by water hardness, contamination, temperature, etc. The diaphragm cap is a wear part.

# POOL MANAGEMENT SYSTEM

- **FILTER CONTROL** with up to four individual daily timers
- **WATER TEMPERATURE**
- **WATER LEVEL**
- **FILTER BACKWASHING**




## Pool Remote App

**Control your pool from anywhere in the world.**

The Aseko Remote App enables the simple control of your pool system in conjunction with the intelligent LAN controller.
It offers the possibility to conveniently switch between different operating modes such as Basic, ECO, Party, Winter, and Auto.
Each mode can be individually customized to meet specific needs (setting heating parameters, pump speeds, or filtration times).
The app also supports the monitoring of water quality.

#30010-E64

Recommendation: Order the adhesive plugs 50 x ¼“ #30010-E19 (page 105) or the injection section 63/50 x ¼“ #30010-E82 (page 105) directly with your purchase.

| Technical Specifications | MIDA.Profi Plus |
|---|---|
| max. pool size | 250 m³ |
| measured values | pH, free chlorine, total chlorine (optional), ORP, temperature, water level, time |
| regulated values | free chlorine, pH, temperature, level |
| max. consumption | 24 VA or 1,449 VA including filter pump |
| power supply | 230 V/50 Hz |
| housing | stainless steel V2A/AISI 304 |
| protection class | II |
| fuse | T1 A; T125 mA, T170 mA |
| operating temperature | +5°C to +40°C |
| installation | wall mounting |
| dosing pump capacity | 60 ml/min., max. 1 bar |
| protection class | IP30 |
| weight | 6,7 kg |
| dimensions | 430 x 330 x 160 mm |

| Article | Article Number |
|---|---|
| MIDA.Profi Plus NET pH/ORP/chlorine | 30025 |
| relay module (4 connections) | 30010-E64 |

## scope of delivery

- CLF probe (1 piece / #30010-E3)
- ORP LONG LIFE probe (1 piece / #30010-E2)
- pH LONG LIFE probe (1 piece / #30010-E1)
- PE dosing line (¼“) (1 piece / 20m)
- thermometer (1 piece / #30010-E47)
- extraction ball valve ¼“ (2 piece s / #30010-E24)
- suction valve (4 pieces / #30010-E25)
- injection valve ¼“ (4 pieces / #30010-E4)
- suction lance (4 pieces / # 30010-E101)

## DOSING HOSE PUMPS

NEW #30010-E107

EXCLUSIVE MIDAS

High-performance peristaltic dosing hose pumps in high-quality industrial design. With a flow rate of 60–120 ml/min, these dosing hose pumps are ideal for the precise dosing of pool chemicals.

The robust construction and sophisticated pump design ensure a long service life, reliable operation, and constant dosing performance. Suitable for an operating pressure of up to 1 bar.

The dosing pump is designed for dosing disinfectants, flocculants, and pH regulation liquids and is suitable for swimming pools with a volume of up to approx. 250 m³.

- Operating voltage: 12 V
- Flow rate: up to 3.6 l/h (60–120 ml/min) (#30010-E6)
- Flow rate: up to 0.6 l/h (#30010-E107)
- Pump type: Peristaltic
- Max. operating pressure: 1 bar
- Application range: Disinfection, flocculation, pH regulation
- Pool volume: up to approx. 250 m³

**Advantage** over 230 V systems
**The chemical quantity can be adjusted directly via the dosing hose pump.**

#30010-E6

**#30010-E6**
**Universal dosing hose pump 3.6 l/h / 12 V with four stickers for Chlorine, pH-, pH+, and algaecide.**

#30010-E107

| Article | Article Number |
|---|---|
| dosing hose pump universal | 30010-E6 |
| NEW dosing hose pump flocculation | 30010-E107 |

## MIDA.SIN PRO 2.0

RS-485

**approx. from summer 2026**

NEW

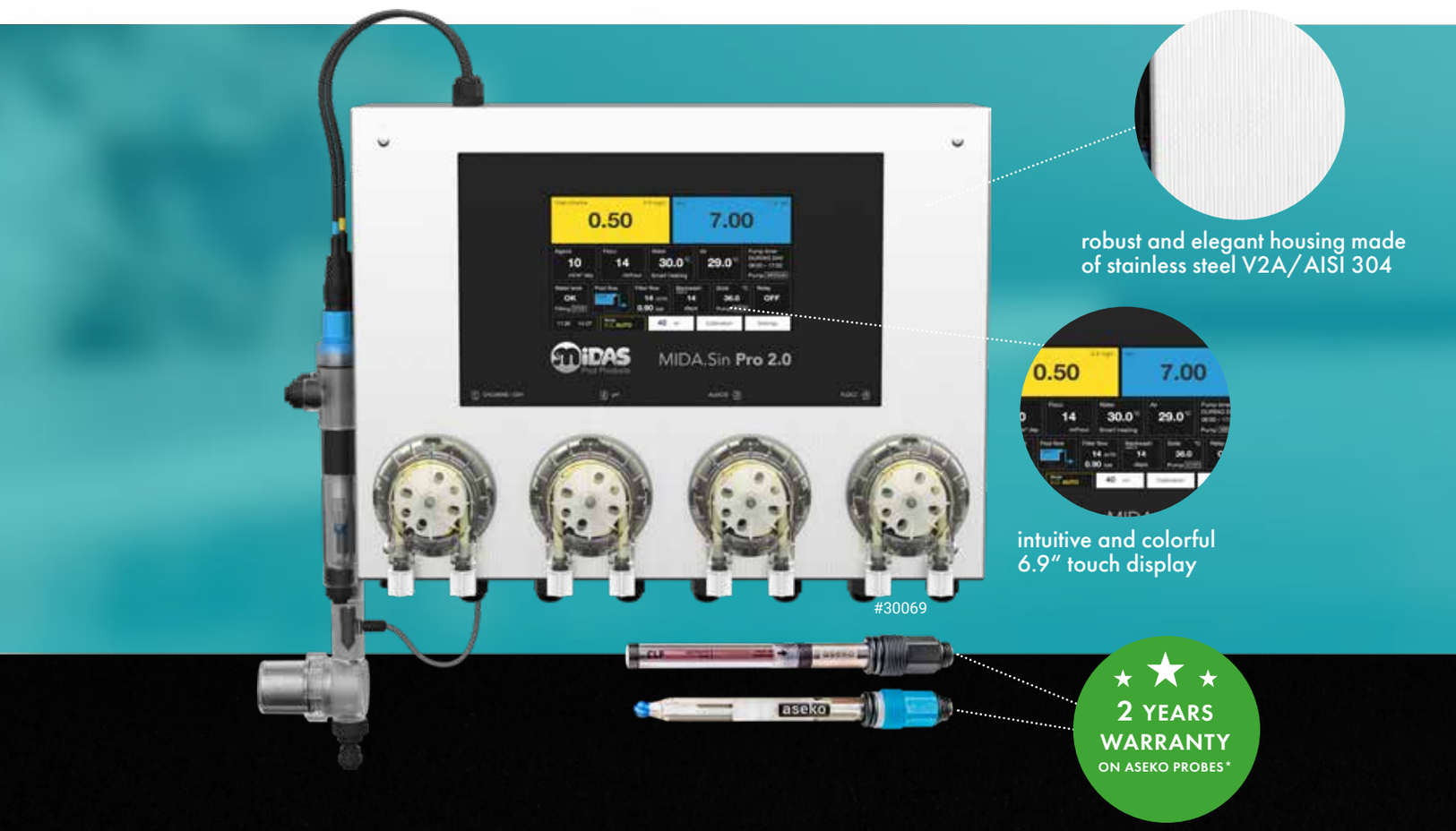
EXCLUSIVE MIDAS

### INTELLIGENT DOSING AND CONTROL SYSTEM FOR PRIVATE POOLS SUITABLE FOR CHLORINE OR CHLORINE-FREE DISINFECTION.

High-quality sensors ensure precise measurement of pH values and disinfection levels. The integrated peristaltic pumps are controlled by an intelligent algorithm, ensuring stable water values with maximum safety.
Water care is optimized through timer-controlled algaecide dosing and continuous low-speed flocculant dosing. The system offers advanced Pool Technology Management for largely automated pool technology.

Online monitoring is possible via the Aseko LIVE app and the aseko.cloud web platform; remote control is carried out via the Aseko REMOTE app.

### CHLORINE VARIANT




## ADVANTAGES compared to previous model MIDA.Sin Pro #30061 + #30060 (page 84)

- large 6.9" glass touch display
- integrated pool management and remote control included via Pool Remote App (modes: Party, Auto, Eco, Winter, each with individual settings or on/off)
- enhanced filtration control with up to 4 individual time periods and VS pump control
- circulation pump can be permanently connected directly to the circuit board (external side socket no longer included)
- new connection options for FlowVis (digital flow display in m³/h), pressure sensor for automatic filter backwashing, float switch, and 230 V for solar (e.g., Besgo 4-way pressure valve #BE50-SO)
- filter disinfection via an additional dosing pump for chlorine during the backwash process
- energy management system (EMS) included for utilizing surplus energy from photovoltaic systems
- adjustable display brightness and dimming, as well as touch feedback sound



* The lifespan can be affected by water hardness, contamination, temperature, etc. The diaphragm cap (only for the CLF probe) is a wear part.

power supply
230 V/50 Hz

ORP VARIANT

#30068

★ ★ ★
2 YEARS WARRANTY
ON ASEKO PROBES*

recommendation: order the adhesive plugs 50 x ¼" #30010-E19 (page 105) or
the injection section 63/50 x ¼" #30010-E82 (page 105) directly with your purchase.

| Technical Specifications | MIDA.Sin Pro 2.0 |
|---|---|
| max. pool size | 250 m³ |
| display | colorful 6,9" touch-display,<br>6 languages (D, FR, GB, NL, RUS, CZ) |
| power supply | 100–240 VAC, 50/60 Hz |
| max. consumption | 30 W |
| size | 430 x 330 x 160 mm |
| housing | stainless steel V2A/AISI 304 |
| communication | LAN/RS-485 |
| output control | potential-free relay, max. 1 A, max. 230 V<br>(Besgo, solenoid valve, refill, heating relay) |
| input | 4-20 mA sensor input |
| max. power consumption with filter pump | 1.4 kW/230 V |
| circulation pump connection | max. 230 V/1 A, potential-free relay |
| fuse | T8A; T1A |
| protection class | I |
| protection rating | IP40 |
| operation temperature | +5°C bis +40°C |
| installation | wall mounting |
| dosing pump performance | 60 ml/min., max. 1 bar |
| measured water pressure | max. 1,5 bar |
| weight | 6,7 kg |

**Pool Live App**

**Pool Remote App**

Monitor your pool from anywhere in the world.

| Article | Article Number |
|---|---|
| MIDA.Sin Pro 2.0 pH/chlorine NET | 30069 |
| MIDA.Sin Pro 2.0 pH/ORP NET | 30068 |

* The lifespan can be affected by water hardness, contamination, temperature, etc.

# MIDA.SIN PRO

VIDEO

RS-485

*discontinued model*

EXCLUSIVE MIDAS

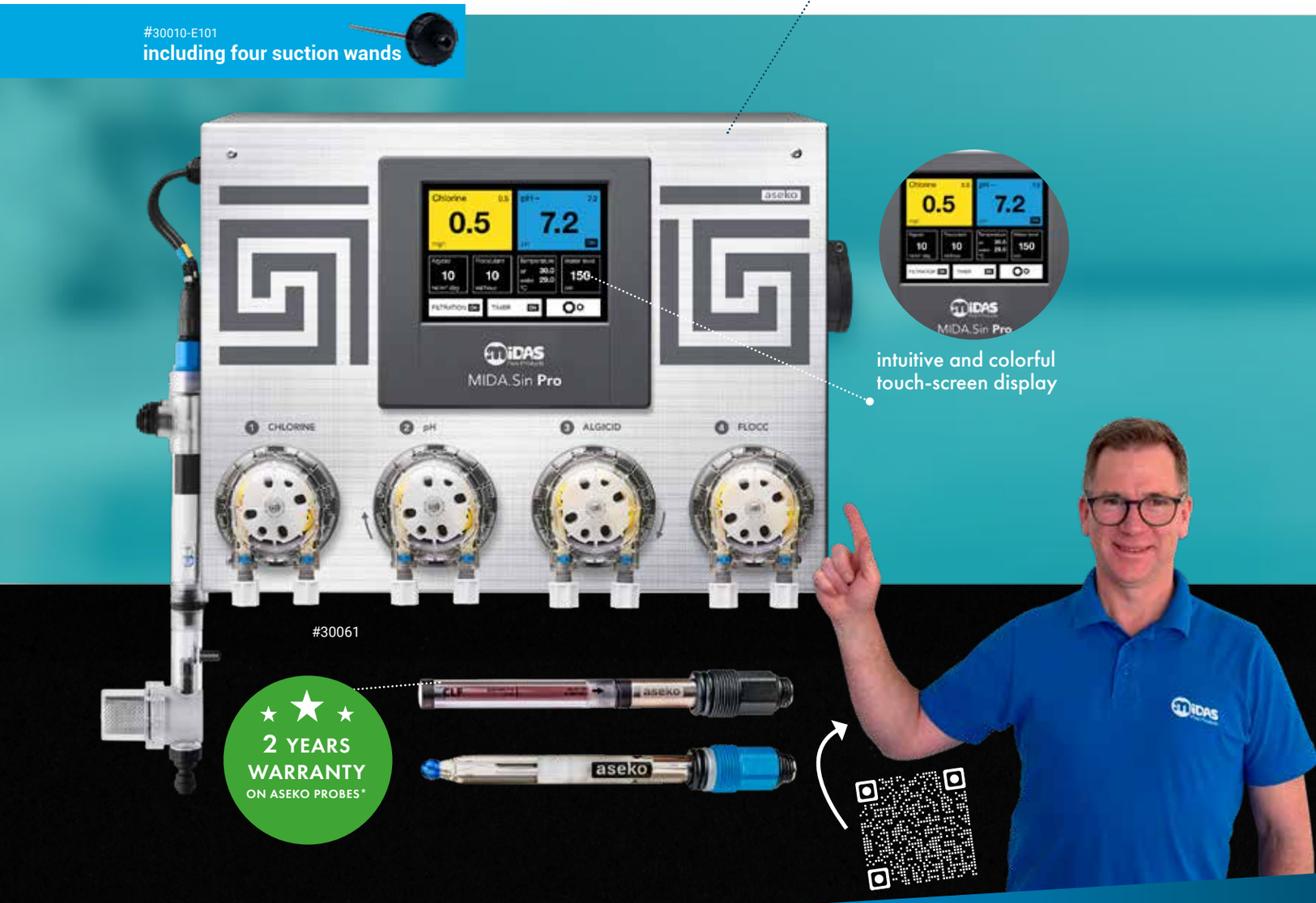
## HIGH-QUALITY, EASY-TO-USE DOSING SYSTEM **INCLUDING** POOL MANAGEMENT SYSTEM!

This liquid chlorine dosing system regulates the pH and chlorine levels. Chlorine regulation is carried out via the ORP potential (mV) or the free chlorine content (mg/l). Additionally, algaecide and a special flocculant MIDA.Sin Floc+ #C0005 (available on request) are dosed for crystal-clear water. The system can be switched between ORP and free chlorine at any time and can continue dosing even in the event of a probe failure (disinfection ml/m³).

CHLORINE VARIANT

robust and elegant stainless steel housing V2A/AISI 304

#30010-E101
**including four suction wands**




intuitive and colorful touch-screen display

#30061

**2 YEARS WARRANTY** ON ASEKO PROBES*






**additional delivery contents to standard**
(see from page 76):

- long Life ORP Probe or membrane-covered chlorine measurement probe
- 20 m measurement and dosing line PE ¼"/6x4 mm with 4 injection valves ¼"

***Our pool expert Klaus Hofmann talks about the MIDA.Sin Pro!***



* The lifespan can be affected by water hardness, contamination, temperature, etc. The diaphragm cap (**only** for the CLF probe) is a wear part.

## ORP VARIANT

#30060

Side view of the system
Power supply 230 V/50 Hz

Socket for circulation pump 230V, max 1,4 kW




★ ★ ★
**2 JAHRE GARANTIE**
AUF ASEKO SONDEN*

Recommendation: order the adhesive plugs 50 x ¼" #30010-E19 (page 105) or the injection section 63/50 x ¼" #30010-E82 (page 105) directly with your purchase.

| Technical Specifications | MIDA.Sin Pro |
|---|---|
| max. pool size | 250 m³ |
| display | color 5.7" touch display, 6 languages (D, FR, GB, NL, RUS, CZ) |
| power supply | 230 V/50 Hz |
| max. consumption | 24 VA |
| dimensions | 430 x 330 x 160 mm |
| housing | stainless steel V2A/AISI 304 |
| communication | LAN/RS485 |
| output control | potential-free relay, max. 1A, max. 230 V (Besgo, solenoid valve, refill, heating relay) |
| input | 4-20 mA sensor input |
| max. power consumption with filter pump | 1.4 kW/230 V |
| circulation pump connection | max. 230 V/1 A, potential-free relay |
| fuse | T800 mA, T160 mA, T6,3 A |
| protection class | II |
| protection class | IP30 |
| operating temperature | +5°C to +40°C |
| installation | wall mounting |
| dosing pump capacity | 60 ml/min., max. 1 bar |
| sample water pressure | max. 1,5 bar |
| weight | 6,7 kg |

POOL Live **Pool Live App**

**Monitor your pool from anywhere in the world.**

| Article | Article Number |
|---|---|
| MIDA.Sin Pro pH/chlorine NET | 30061 |
| MIDA.Sin Pro pH/ORP NET | 30060 |

* The lifespan can be affected by water hardness, contamination, temperature, etc.

# MIDA.SIN NET+

NEW

EXCLUSIVE MIDAS

## COMPACT DOSING SYSTEM FOR POOL WATER TREATMENT

The compact dosing system ensures precise and reliable water care in pools and hot tubs up to max. 250 m³. High-quality LongLife Aseko probes guarantee the exact measurement of pH values and disinfectants, while intelligent dosing algorithms continuously evaluate the water condition and automatically control the dosing of pH regulators and disinfectants.

The system is equipped with an additional pump for the continuous and slow dosing of flocculants to effectively reduce turbidity. The MIDA.Sin NET+ combines precise technology, automatic management, and user-friendly control to ensure clean, hygienic, and crystal-clear pool water at all times.

CHLORINE VARIANT

#30071

## Advantages:

- user-friendly, intuitive menu navigation via 3.5“ color touch display
- simple installation and retrofitting possible for any existing system
- flow monitor with pre-filter **included** (safety shutdown if there is no flow)
- high-quality dosing pumps 3.6 l/h with minimal maintenance
- water temperature measurement **included**
- dosing of pH- or pH+
- the system can be switched between ORP and free chlorine at any time and can continue dosing even in the event of a probe failure (disinfection ml/m³)
- high-quality glass probes with a 2-year warranty*
- additional safety features (dosing time delay, over-dosing, max. hourly dosing, rapid pH changes, and max. dosing **without** probe feedback)

#30010-E101
**including three suction wands**



* The lifespan can be affected by water hardness, contamination, temperature, etc. The diaphragm cap (**only** for the CLF probe) is a wear part.

## ORP VARIANT

**scope of delivery:**

- measuring and control unit
- Long Life probes for pH and ORP or pH and membrane-covered chlorine probe
- electrical flow monitor **including** pre-filter
- temperature sensor **including** immersion sleeve
- 20 m measuring and dosing line PE ¼“ / 6 x 4 mm with 3 injection valves ¼“
- **including** 3 suction lances for container extraction
- screws and wall plugs for wall mounting

Recommendation:
order the adhesive plugs 50 x ¼“ #30010-E19 (page 105) or the injection section 63/50 x ¼“ #30010-E82 (page 105) directly with your purchase.

#30070

## ADVANTAGES compared to previous model MIDA.Sin NET #30016 + #30018

- third dosing pump 0.6 l/h for flocculants and coagulants (dosing via ml/m³ or ml/h setting)
- including VS filter control (potential-free contact for stage 1 & 2)
- improved dosing algorithm for constant pH & chlorine values
- option to control a non-regulated electrolysis system
- including hybrid mode (electrolysis in parallel with liquid chlorine dosing)

**NOW WITH FILTER TIMER**
**Non-stop / temperature-dependent / time-controlled**

★ ★ ★
**2 YEARS WARRANTY**
ON ASEKO PROBES*

| Technical Specifications | MIDA.Sin NET+ |
|---|---|
| max. pool size | 250 m³ |
| display | colorful 3,5“ touch display, 6 languages (D, FR, GB, NL, RUS, CZ) |
| power supply | 230 VAC +-10 % / 50 Hz |
| max. consumption | 14 W |
| dimensions | 400 x 370 x 145 mm |
| housing | ABS plastic |
| communication | LAN |
| fuse | T100 mA |
| protection class | II |
| protection class | IP40 |
| operating temperature | +5°C bis +40°C / RH 70% |
| installation | wall mounting |
| dosing pump capacity | 60 ml/min, max. 1 bar |
| sample water pressure | max. 1,5 bar |
| weight | 2,2 kg |

POOL Live

Monitor your pool from anywhere in the world.

**Pool Live App**

## Disinfection technology:

- **dosing mode** -
integrated peristaltic pump for precise chlorine addition

- **salt mode** -
control of an external electrolysis system via internal relay

- **hybrid mode** -
combination of electrolysis and dosing; prioritization of electrolysis, the dosing pump is activated if the chlorine level is low

| Article | Article Number |
|---|---|
| MIDA.Sin NET + pH/chlorine/flocc | 30071 |
| MIDA.Sin NET + pH/ORP/flocc | 30070 |

## MIDA.SIN NET (2026 VERSION)
POOL WATER TREATMENT

NEW

EXCLUSIVE MIDAS

Compact dosing and control system for swimming pool water – ideal for pools and hot tubs from 1 to 120 m³.

Thanks to high-quality Long-Life Aseko sensors, precise measurement of pH values and disinfection is ensured. Integrated peristaltic pumps, combined with an intelligent algorithm, ensure stable water parameters with maximum safety.
The system contains an integrated flow meter, a water temperature sensor, and the peristaltic pumps. Optionally, the circulation pump can be operated on a timer. Online monitoring via the aseko.cloud web platform or the Pool Live app is possible via an internet connection.

CHLORINE VARIANT

#30010-E101
**including two suction wands**

### Advantages:

- user-friendly, intuitive menu navigation via 3.5" color touch display
- simple installation and retrofitting possible for any existing system
- **including** flow monitor with pre-filter (safety shutdown if there is no flow)
- high-quality dosing pumps 3.6 l/h with minimal maintenance
- **including** measurement of the water temperature
- dosing of pH- or pH+
- the system can be switched between ORP and free chlorine at any time and can continue dosing even in the event of a probe failure (disinfection ml/m³)
- high-quality glass probes with a 2-year warranty*
- additional safety features (dosing time delay, over-dosing, max. hourly dosing, rapid pH changes, and max. dosing **without** probe feedback)

**NOW WITH FILTER TIMER**
**Non-stop / temperature-dependent / time-controlled**

**ADVANTAGES**
compared to previous model
MIDA.Sin NET #30016 + #30018

- including VS filter control (potential-free contact for stage 1 & 2)
- improved dosing algorithm for constant pH & chlorine values
- option to control a non-regulated electrolysis system
- including hybrid mode (electrolysis in parallel with liquid chlorine dosing)



* The lifespan can be affected by water hardness, contamination, temperature, etc. The diaphragm cap (**only** for the CLF probe) is a wear part.

## ORP VARIANT

**scope of delivery:**

- measuring and control unit
- Long Life probes for pH and ORP or pH and membrane-covered chlorine probe
- electrical flow monitor **including** pre-filter
- 15 m measuring and dosing line PE ¼“ / 6 x 4 mm with 2 injection valves ¼“
- including suction lances for container extraction
- screws and wall plugs for wall mounting

Intuitive and colorful touch-screen display

#30072

**Including** NET: With LAN connection for remote monitoring of water values (no changes possible) via browser, app, or external touch display (optional). This ensures secure communication **without** potential interference compared to WiFi connections. The Pool Live app displays water values in real-time, error messages, and the fill levels of the containers. The web application displays all parameters through clear graphics as well as a detailed history. Data recording takes place for 30 days. An external 7“ touch display for wall mounting to display water values, temperature, and humidity is optionally available.

Recommendation: order the adhesive plugs 50 x ¼“ #30010-E19 (page 105) or the injection section 63/50 x ¼“ #30010-E82 (page 105) directly with your purchase.

**2 YEARS WARRANTY**
ON ASEKO PROBES*

| Technical Specifications | MIDA.Sin NET |
|---|---|
| max. pool size | 250 m³ |
| display | colorful 3,5“ touch display, 6 languages (D, FR, GB, NL, RUS, CZ) |
| power supply | 230 V/50 Hz |
| max. consumption | 20 W |
| dimensions | 290 x 240 x 115 mm |
| housing | ABS plastic |
| communication | LAN |
| fuse | T80 mA |
| protection class | II |
| protection class | IP50 |
| operating temperature | +5°C bis +40°C |
| installation | wall mounting |
| dosing pump capacity | 60 ml/min., max. 1 bar |
| sample water pressure | max. 1 bar |
| weight | 2,2 kg |

**Pool Live App**

**Monitor your pool from anywhere in the world.**

| Article | Article Number |
|---|---|
| MIDA.Sin NET pH/chlorine | 30073 |
| MIDA.Sin NET pH/ORP | 30072 |

* The lifespan can be affected by water hardness, contamination, temperature, etc.

## CHLORINE DOSING STATION

NEW

EXCLUSIVE MIDAS

The Chlorine dosing station measures the free chlorine content in the pool water extremely precisely using the high-precision ASEKO CLF probe and handles the automatic regulation of the chlorine dosing. Equipped with a high-quality peristaltic dosing pump, the device reaches a maximum flow rate of 3.6 l/h at a maximum operating pressure of 1 bar.
All relevant information is clearly displayed on a touchscreen, which simultaneously allows for simple and intuitive setting of all operating parameters.
Suitable for pools and hot tubs with a volume of 1 to 250 m³.

- precise measurement and automatic regulation of free chlorine
- easy operation via touchscreen
- compact, space-saving design
- high-quality peristaltic dosing pump
- very easy installation

2 YEARS WARRANTY ON ASEKO PROBES*

Recommendation: order the adhesive plugs 50 x ¼" #30010-E19 (page 105) or the injection section 63/50 x ¼" #30010-E82 (page 105) directly with your purchase.

| Article | Article Number |
|---|---|
| Chlorine dosing station | 30027 |

* The lifespan can be affected by water hardness, contamination, temperature, etc.

## ORP DOSING STATION

NEW

EXCLUSIVE MIDAS

The ORP dosing station precisely measures the ORP potential in the water using the precise ORP probe and regulates the chlorine dosing automatically. The integrated high-quality peristaltic pump achieves a maximum flow rate of 3.6 l/h (max. operating pressure 1 bar). All important information is clearly displayed on the touchscreen, which also serves for the easy setting of all operating parameters.
Suitable for pools from 1 to 250 m³.

- easy operation via touchscreen
- compact, space-saving design
- high-quality peristaltic dosing pump
- very easy installation
- automatic precise chlorine regulation

2 YEARS WARRANTY ON ASEKO PROBES*

Recommendation: order the adhesive plugs 50 x ¼" #30010-E19 (page 105) or the injection section 63/50 x ¼" #30010-E82 (page 105) directly with your purchase.

| Article | Article Number |
|---|---|
| ORP dosing station | 30026 |

* The lifespan can be affected by water hardness, contamination, temperature, etc.

## PH DOSING STATION

EXCLUSIVE MIDAS

Compact unit for the automatic measurement and regulation of the pH value according to a set target value with a color touch display, glass probe, and integrated dosing pump 60 ml/min. (3.6 l/h). It also includes a 10 m measuring and dosing line ¼", sample water shut-off valves, and an injection valve.
The unit offers easy installation and simple operation via 4 buttons, is designed for wall mounting, and **includes** a safety shutdown. Suitable for pools from 1–250 m³ and hot tubs, 230 V/50Hz, protection class IP30.

★ ★ ★
2 YEARS WARRANTY ON ASEKO PROBES*

Recommendation: order the adhesive plugs 50 x ¼" #30010-E19 (page 105) or the injection section 63/50 x ¼" #30010-E82 (page 105) directly with your purchase.

| Article | Article Number |
|---|---|
| pH dosing station | 30019-T |

* The lifespan can be affected by water hardness, contamination, temperature, etc.

## PRG DOSING STATION

NEW

EXCLUSIVE MIDAS

The PRG dosing station is a time-controlled dosing system for water treatment in pools and hot tubs, as well as for the dosing of aromatic substances in saunas and steam baths. The integrated peristaltic dosing pump enables reliable and uniform dosing at a maximum operating pressure of 1 bar. Suitable for pools and hot tubs with a volume of 1 to 250 m³.

- automatic time dosing
- simple and intuitive operation
- compact, space-saving design – ideal for areas with limited space
- high-quality peristaltic pump
- very easy installation

Recommendation: order the adhesive plugs 50 x ¼" #30010-E19 (page 105) or the injection section 63/50 x ¼" #30010-E82 (page 105) directly with your purchase.

| Article | Article Number |
|---|---|
| PRG dosing station | 30024 |

## FLOCCULATION DOSING STATION

EXCLUSIVE MIDAS

Effective coagulation and flocculation can only be achieved through continuous dosing, which makes the smallest particles filterable. This device is designed for dosing MIDA.Sin Floc+ #C0005 (available on request). However, all other liquid agents can also be dosed in a regulated manner. **Including** color touch display with setting of the dosing quantity, integrated dosing pump 10 ml/min. (0.6 l/h), as well as 10 m dosing line ¼" and injection valve, for wall mounting. Can be used as a supplement to the MIDA.Sin, MIDA.Sin Salt, and MIDA.Sin Salt eOX, for pools from 1–250 m³, 230 V/50Hz, protection class IP50.

Recommendation: coagulation mixer 50 mm / DN40 #30010-E59 (page 105)
coagulation mixer 63 mm / DN50 #30010-E60 (page 105)
order the adhesive plugs 50 x ¼" #30010-E19 (page 105) or the injection section 63/50 x ¼" #30010-E82 (page 105) directly with your purchase.

| Article | Article Number |
|---|---|
| Flocculation dosing station | 30013-T |

# SALTWATER ELECTROLYSIS SYSTEM

**approx. from summer 2026**

## MIDA.SIN SALT 2.0/ MIDA.SIN SALT EOX 2.0

SALTWATER TREATMENT & POOL MANAGEMENT

**NEW**

EXCLUSIVE MIDAS

The MIDA.Sin Salt 2.0 is a state-of-the-art control system for the water treatment of saltwater swimming pools. High-precision probes ensure exact measurement of pH values and disinfection. Controlled electrolysis ensures reliable and constant chlorine production.

Thanks to new power supply technology and an optimized electrolysis cell (#30020-E16), the system produces up to 30 g of chlorine per hour at a salt concentration of 4 g/l. pH regulation is carried out via an integrated peristaltic dosing pump, controlled by an intelligent algorithm with extensive safety functions.

Water care is further optimized by time-controlled algaecide dosing and the continuous, slow dosing of flocculant (FLOC+C). Advanced Pool Technology Management functions enable largely automated pool technology.

The system supports online monitoring via the Aseko LIVE app and the aseko.cloud web platform, as well as remote control via the Aseko REMOTE app.

Suitable for outdoor pools up to 100 m³, indoor pools up to 90 m³.

CHLORINE VARIANT

intuitive and colored 6.9“ touch display

robust and elegant housing made of stainless steel V2A/AISI 304

#30076

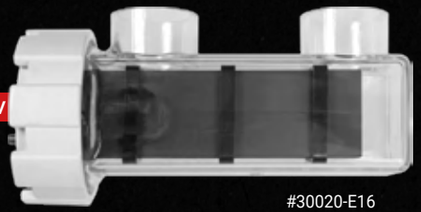
★ ★ ★
2 YEARS WARRANTY
ON ASEKO PROBES*







**NEW**



#30020-E16

**PLEASE NOTE:**

We generally do not recommend the use of saltwater electrolysis and hydrolysis in connection with stainless steel components. However, corrosion can be reduced or even avoided if an optional sacrificial anode (see page 107) is installed.



* The lifespan can be affected by water hardness, contamination, temperature, etc.

## ADVANTAGES OF THE MIDA.SIN SALT

compared to previous model MIDA.Sin Salt #30063 + #30064 (page 96)

- large 6.9" glass touch display and 20% more power with 30 g/h for outdoor pools up to max. 100 m³ (up to 28°C water temperature, without cover, 24 h runtime)
- including integrated pool management and remote control via Pool Remote app (Party, Auto, Eco, Winter modes, with respective individual settings or On/Off)
- 3 peristaltic dosing pumps (2x 3.6 l/h & 1x 0.6 l/h) for pH, algaecide, and flocculant
- with extended filter control with up to 4 individual times and VS control
- circulation pump can be permanently connected directly to the circuit board (no side socket included anymore)
- new connection options for FlowVis for digital flow display in m³/h, pressure sensor for automatic filter backwashing, float switch, and 230 V for solar (e.g., Besgo)
- filter disinfection via an additional dosing pump for chlorine during backwashing
- including Energy Management System (EMS) for using surplus energy from the photovoltaic system
- adjustment of display brightness and dimming, as well as touch sound

ORP VARIANT EOX

#30077

ORP VARIANT

#30075

MIDA.SIN SALT EOX PH/ORP

LOW SALT

including one electrolysis cell (#30020-E16) for 1-2 g/l salt content

## ADVANTAGES OF THE MIDA.SIN SALT EOX

compared to previous model MIDA.Sin Salt eOX #30077 (page 94)

- large 6.9" glass touch display and more power with only 1 cell 30 g/h for max. 70 m³ outdoor pools
- including integrated pool management and remote control via Pool Remote app (Party, Auto, Eco, Winter modes, with respective individual settings or On/Off)
- 3 peristaltic dosing pumps (2x 3.6 l/h & 1x 0.6 l/h) for pH, algaecide, and flocculant
- with extended filter control with up to 4 individual times and VS control
- circulation pump can be permanently connected directly to the circuit board (no side socket included anymore)
- new connection options for FlowVis for digital flow display in m³/h, pressure sensor for automatic filter backwashing, float switch, and 230 V for solar (e.g., Besgo)
- filter disinfection via an additional dosing pump for chlorine during backwashing
- including Energy Management System (EMS) for using surplus energy from the photovoltaic system
- adjustment of display brightness and dimming, as well as touch sound

**NEW**

EXCLUSIVE MIDAS

***approx. from summer 2026***

#30076

#30076

**additional scope of delivery compared to standard (see from page 105):**

- saltwater electrolysis device with electrolysis cell
- membrane-covered Long Life chlorine measuring probe or Long Life probe ORP
- conductivity probe integrated in the flow monitor, for measuring the salt content in kg/m³
- 15 m measuring and dosing line PE ¼" / 6 x 4 mm with 2 injection valves ¼"

| Technical Specifications | MIDA.Sin Salt 2.0 |
|---|---|
| max. pool size | 100 m³ (70 m³ MIDA.Sin Salt eOX 2.0) |
| display | colorful 6,9" Touch-Display, 6 languages (D, F, GB, NL, RUS, CZ) |
| power supply | 230 V/50 Hz |
| max. consumption | 190 VA |
| dimensions | 450 x 330 x 190 mm |
| housing | stainless steel V2A/AISI 304 |
| communication | LAN/RS 485 |
| output control | potential-free relay, max. 1A, max. 230 V (Besgo, solenoid valve, heating relay) |
| input | 4-20 mA sensor input |
| chlorine production at 4 % salt content | max. 25 g/h |
| operating hours of the electrolytic cell | approx. 8.000 hours |
| max. power consumption with filter pump | 14 49 VA |
| pump connection | max. 1,4 kW/230 V |
| circulation pump connection | max. 230 V/1 A, potential-free relay |
| fuse | T800 mA, T125 mA, T6,3 A |
| protection class | II |
| protection class | IP30 |
| operating temperature | +5°C bis +40°C |
| installation | wall mounting |
| dosing pump capacity | 60 ml/min., max. 1,5 bar |
| sample water pressure | max. 1,5 bar |
| weight | 10 kg |

Recommendation: order the adhesive plugs 50 x ¼" #30010-E19 (page 105) or the injection section 63/50 x ¼" #30010-E82 (page 105) directly with your purchase.

**Pool Live App**

**Monitor your pool from anywhere in the world.**

# MIDA.EXT SALT 2.0/ MIDA.EXT SALT EOX 2.0

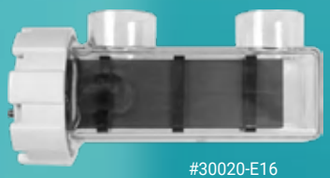
## EXPANSION MODULE WITH ELECTROLYSIS CELL

The expansion modules with a 30 g/h electrolysis cell increase chlorine production and support the MIDA.Sin Salt 2.0 or the MIDA.Sin Salt eOX 2.0. Ideal for larger pools that require more chlorine than the main system can supply.
These can only be used in combination with a master system.

#30075-E2

#30077-E2

**Connection: Multiple modules possible (connected via piping)**



#30020-E16

| Technical Specifications | MIDA.EXT Salt 2.0 | MIDA.EXT Salt eOX 2.0 |
|---|---|---|
| power supply | 110-240 VAC, 50/60 Hz | 110–240 VAC, 50/60 Hz |
| salt content | 3-4 g/l | 1-2 g/l |
| power consumption | 30 A | 20 A |
| voltage | 5 V | 7,5 V |
| consumption | 150 W | 150 W |
| fuse | T2A | T2A |
| protection class | I | I |
| protection rating | IP40 | IP40 |
| operating temperature | +5 to +40 °C | +5 bis +40 °C |
| weight | 5,5 kg | 5,5 kg |
| installation | wall mounting | wall mounting |
| max. sample water pressure | 1,5 bar | 1,5 bar |
| dimensions | 240 x 330 x 150 mm | 240 × 330 × 150 mm |

**Electrode: #30020-E16 with optimized surface area**

**Performance expansion: additional 30 g/h chlorine**

**Connection to master system: via RS485 serial interface**
**- all chlorine production data is automatically transmitted to the master unit**

RS-485

**Increase in maximum pool size: by 100 m³ per unit (by 70 m³ #30077-E2)**
**(outdoor pools up to 200 m³, 28 °C water temperature, without cover, 24 h runtime)**

| Article | Article Number |
|---|---|
| MIDA.Sin Salt 2.0 pH/chlorine/alg NET | 30076 |
| MIDA.Sin Salt 2.0 pH/ORP/alg NET | 30075 |
| MIDA.EXT Salt 2.0 | 30075-E2* |
| MIDA.Sin Salt eOX 2.0 pH/ORP/alg NET | 30077 |
| MIDA.EXT Salt eOX 2.0 | 30077-E2* |

* The lifespan can be affected by water hardness, contamination, temperature, etc. The diaphragm cap (**only** for the CLF probe) is a wear part.
** connecting cable #30020-E7 (page 108)

# MIDA.SIN SALT / MIDA.SIN SALT EOX

SALTWATER TREATMENT & POOL MANAGEMENT

RS-485

*discontinued model*

EXCLUSIVE MIDAS

Advanced saltwater electrolysis system (1–4 g/l salt content) with pH regulation, as well as chlorine production controlled via the free chlorine content (mg/l) or the ORP potential (mV). Additionally, algaecide can be dosed to support disinfection and prevent algae formation.
Furthermore, the system continuously displays the salt content (kg/m³), rather than only when it is too low.
The service life of the self-cleaning electrolysis cell is approx. 8,000 operating hours (vertical or horizontal installation).
The rectifier is automatically cooled via the sample water flow to prevent overheating of the system.

## CHLORINE VARIANT

intuitive and colored touch display

#30063

Side view of the system power supply 230 V/50 Hz

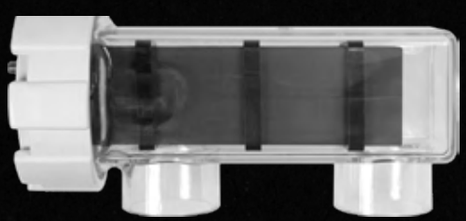
Socket for circulation pump 230 V, max. 1.4 kW

★ ★ ★
2 YEARS WARRANTY
ON ASEKO PROBES*

robust and elegant housing made of stainless steel V2A/AISI 304

**Additional scope of delivery compared to standard (see from page 105):**

- saltwater electrolysis device with electrolysis cell
- membrane-covered Long Life chlorine measuring probe or Long Life probe ORP
- conductivity probe integrated in the flow monitor, for measuring the salt content in kg/m³
- 15 m measuring and dosing line PE ¼" / 6 x 4 mm with 2 injection valves ¼"



#30020-E1

#30010-E101
**including two suction wands**

**PLEASE NOTE:**

We generally do not recommend the use of saltwater electrolysis and hydrolysis in connection with stainless steel components.
However, corrosion can be reduced or even avoided if an optional sacrificial anode (see page 107) is installed.



* The lifespan can be affected by water hardness, contamination, temperature, etc.

## ORP VARIANT

#30064

## ORP VARIANT EOX

#30065

Recommendation: order the adhesive plugs 50 x ¼" #30010-E19 (page 105) or the injection section 63/50 x ¼" #30010-E82 (page 105) directly with your purchase.

| Technical Specifications | MIDA.Sin Salt |
|---|---|
| max. pool size | 90 m³ |
| display | colorful 5,7" touch-display, 6 languages (D, F, GB, NL, RUS, CZ) |
| power supply | 230 V/50 Hz |
| max. consumption | 190 VA |
| dimensions | 450 x 330 x 190 mm |
| housing | stainless steel V2A/AISI 304 |
| communication | LAN/RS 485 |
| output control | potential-free relay, max. 1A, max. 230 V (Besgo, solenoid valve, heating relay) |
| input | 4-20 mA sensor input |
| chlorine production at 4 % salt content | max. 25 g/h |
| operating hours of the electrolytic cell | ca. 8.000 hours |
| max. power consumption with filter pump | 14 49 VA |
| pump connection | max. 1,4 kW/230 V |
| circulation pump connection | max. 230 V/1 A, potential-free relay |
| fuse | T800 mA, T125 mA, T6,3 A |
| protection class | II |
| protection class | IP30 |
| operating temperature | +5°C to +40°C |
| installation | wall mounting |
| dosing pump capacity | 60 ml/min., max. 1,5 bar |
| sample water pressure | max. 1,5 bar |
| weight | 10 kg |

### MIDA.SIN SALT EOX PH/ORP

**LOW SALT (max. 2g/l)**

**including two electrolytic cells (#30020-E1) for 1-2 g/l salt concentration**

**Pool Live App**

**Monitor your pool from anywhere in the world.**

| Article | Article Number |
|---|---|
| MIDA.Sin Salt pH/chlorine NET | 30063 |
| MIDA.Sin Salt pH/ORP NET | 30064 |
| MIDA.Sin Salt eOX pH/ORP NET including 2 electrolytic cells | 30065 |

* The lifespan can be affected by water hardness, contamination, temperature, etc. The diaphragm cap (only for the CLF probe) is a wear part.

## MIDA.SIN SALT NET
SMART SALT ELECTROLYSIS SYSTEM

NEW

EXCLUSIVE MIDAS

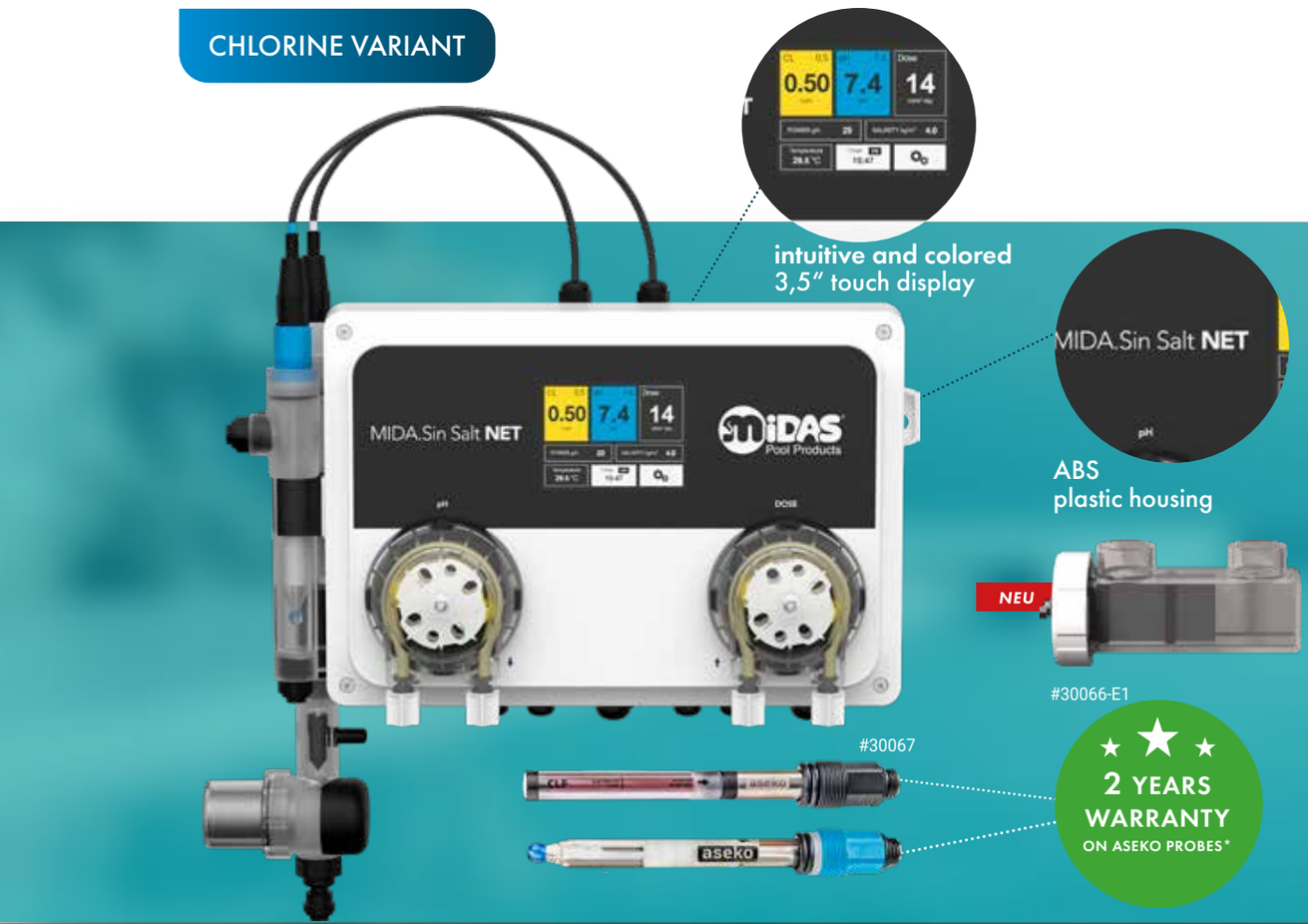
The MIDA.Sin Salt NET is a compact, powerful dosing system for saltwater pools and hot tubs.
Thanks to high-precision probes, it enables exact measurement of the pH value and disinfection. Stable water disinfection is ensured by controlled saltwater electrolysis.

The new electrolysis cell (#30066-E1) produces up to 20 g of free chlorine per hour at a salt concentration of 4 g/l.

An integrated peristaltic pump takes over automatic pH regulation, while a second dosing pump is used for the time-controlled addition of flocculant, algaecide, or ACO stabilizer.

Optionally, the circulation pump can be controlled based on time.
Via an internet connection, the system can be monitored remotely at any time using the Aseko LIVE app or the aseko.cloud web platform.

### CHLORINE VARIANT




**NOW WITH FILTER TIMER**
**Non-stop / temperature-dependent / time-controlled**

- ✔ **Circulation pump control**
- ✔ **Water temperature measurement**
- ✔ **Advanced safety functions**

#30010-E101
**including two suction wands**

Scope of delivery:
- measuring and control device
- Long Life probes pH and ORP or pH and membrane-covered chlorine probe
- electric flow monitor including pre-filter
- 15 m measuring and dosing line PE ¼" / 6 x 4 mm with 2 injection valves ¼"
- screws and dowels for wall mounting

### ORP VARIANT

* The lifespan can be affected by water hardness, contamination, temperature, etc.

| Technical Specifications | MIDA.Sin Salt NET |
|---|---|
| max. pool size | 70 m³ |
| display | colorful 3,5" touch-display, languages: D / GB / FR / NL / PL / CZ / RUS/ E / SI / HR |
| power supply | 230 VAC, 50 Hz |
| max. consumption | 150 W |
| dimensions | 290 x 240 x 115 mm |
| housing | ABS plastic |
| communication | LAN |
| fuse | T100 mA |
| protection class | II |
| protection rating | IP40 |
| operating temperature | +5 °C to +40 °C / max. 70 % rel. humidity |
| installation | wall mounting |
| Dosing pump capacity | 60 ml/min., max. 1 bar |
| Measured water pressure | max. 1 bar |
| Weight | 2,2 kg |

**Pool Live App**

**Monitor your pool from anywhere in the world.**

**Including** NET: Featuring a LAN connection for remote monitoring of water parameters (read-only) via browser, app, or an optional external touch display. This ensures secure communication and avoids the potential interference common with WiFi connections. The Pool Live app displays water values in real-time, error messages, and container fill levels. The web application provides clear graphical representations of all parameters and a detailed history. Data is recorded for 30 days.

Recommendation: order the adhesive plugs 50 x ¼" #30010-E19 (page 105) or the injection section 63/50 x ¼" #30010-E82 (page 105) directly with your purchase.

## MIDA.EXT SALT NET

### EXPANSION MODULE WITH ELECTROLYSIS CELL

The MIDA.EXT Salt NET module allows you to increase the chlorine production of your MIDA.Sin Salt NET system by an additional 20 g/h.

The expansion utilizes a titanium-iridium electrode with an optimized surface area—perfect for larger pools. This enables you to easily increase the capacity of your existing system for pools up to 70 m³.

#30067-E2

#30066-E1

| Technical Specifications | MIDA.EXT Salt 2.0 |
|---|---|
| power supply | 100–240 VAC, 50 Hz |
| power consumption | 90 W |
| fuse | - |
| protection class | II |
| protection rating | IP40 |
| operating temperature | +5 to +40 °C |
| weight | 5,5 kg |
| installation | wall mounting |
| max. sample water pressure | 1,5 bar |
| dimensions | 240 x 330 x 150 mm |

| Article | Article Number |
|---|---|
| MIDA.Sin Salt NET pH/chlorine | 30067 |
| MIDA.Sin Salt NET pH/ORP | 30066 |
| MIDA.EXT Salt NET | 30067-E2 |

# OPTIONAL ACCESSORIES AND SPARE PARTS

FOR ALL SYSTEMS ON THE PAGES 78 - 99

## EXTERNAL 7" TOUCHSCREEN DISPLAY

RS-485

High-quality display for remote access to water values, water and air temperature, as well as air humidity. Additionally, the circulation pump and backwashing can be started and stopped. Calibration of water values as well as air temperature and humidity is also possible. Compatible with all systems, **including** LAN connection, with a cable connection of 4 x 0.5 mm² (not included in the delivery) via the RS485 connection (max. length 100 m). Dimensions: 253 x 1668 x 39 mm, **including** dowels and screws, not waterproof (IP 40).

| Article | Article Number |
|---|---|
| external touchscreen display | 30010-E10 |

#30010-E10

## PRESSURE WATER LEVEL PROBE

This hydrostatic water level sensor is compact with strain gauges. Material: Teflon (PTFE) / Ceramic. For installation in the surge tank, roller shutter shaft, or vertical conduit routed from the pool. 4 measurements: pump off, refill on, refill off, backwash on. The measurement range is factory-set between 5 – 200 cm, cable length: 4.0 m, but can be extended up to 100 m.

| Article | Article Number |
|---|---|
| pressure water level probe | 30010-E12 |

#30010-E12

## LEVEL FLOAT SWITCH

Simple float switch to activate and deactivate water replenishment, also suitable for retrofitting. No update to existing systems is required. Easy installation in the skimmer with mounting bracket possible. Material: Stainless steel V4A/AISI 316

Cable length: 40 cm, or 15 m - can be extended up to 100 m.

| Article | Article Number |
|---|---|
| level float switch with 40 cm cable | 30010-E67 |
| level float switch with 15 m cable | 30010-E86 |

Plastic level switches are available on request (#M-065-1).

#30010-E67

#30010-E86

## PROBE SIMULATOR

Simulates the measurement probe and can be directly connected to the measurement cable. The source of errors in incorrect water values can be quickly checked.

**Can be used for the following probes:**

- pH
- ORP
- free chlorine (CLF)

| Article | Article Number |
|---|---|
| probe simulator | 30010-E66 |

#30010-E66

## PROBES

NEW

- 120 mm length
- single-rod measuring cell (pH or ORP)
- with PG13.5 screw head connection
- with ceramic diaphragm (#1070-E1)
- with platinum surface (#1070-E1)

2 YEARS WARRANTY ON MIDAS PROBES

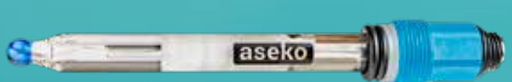
#1070-E1

#1080-E1

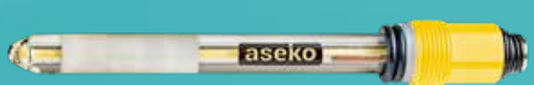
| Article | Warranty | Article Number |
|---|---|---|
| Midas pH probe* | 2 Years | 1070-E1 |
| ORP probe* | 2 Years | 1080-E1 |

* The lifespan can be affected by water hardness, contamination, temperature, etc.

## PROBES LONG LIFE




#30010-E1




#30010-E2

2 YEARS WARRANTY ON ASEKO PROBES**

#30010-E3

#30020-E9

For Salt Electrolysis*

#30020-E5

Suitable buffer solutions for testing and calibration can be found on page 109 of the catalog.

| Article | Warranty | Article Number |
|---|---|---|
| ASEKO pH Long Life high-quality glass probe* | 2 years | 30010-E1 |
| ASEKO ORP Long Life high-quality glass probe* | 2 years | 30010-E2 |
| ORP glass probe for saltwater electrolysis* | 6 months | 30020-E5 |
| ASEKO ORP Gold Long Life high-quality glass probe for saltwater electrolysis* | 2 years | 30020-E9 |
| ASEKO Chlorine Long Life membrane probe made of titanium, silver, and stainless steel* | 2 years | 30010-E3 |

CLT probe #30010-E73 available on request.
*The service life can be influenced by water hardness, contamination, temperature, etc.
**Warranty only applies to 30010-E1, 30010-E2, 30010-E3, and 30010-E9.

## PROBE CABLE

Connection to SN6/S7

#30010-E41

| Article | Article Number |
|---|---|
| Probe cable pH/ORP/CLF, 30 cm cable | 30010-E41 |
| Adapter cable from SN6/S7 to BNC, 1 m cable | SN6-BNC |

## STORAGE CONTAINER

Including stand for pH/ORP probes for storage/wintering.

| Article | Article Number |
|---|---|
| storage container | 30010-E49 |

#30010-E49

## KCl SOLUTION

Storage solution for probes, 50 ml.

| Article | Article Number |
|---|---|
| KCl solution | 102030-E17 |

#102030-E17

## MEMBRANE CAP

80 mm, for CLF sensor (free chlorine)

| Article | Article Number |
|---|---|
| membrane cap | 30010-E21 |

#30010-E21

## ELECTROLYTE

for the CLF sensor (free chlorine)

| Article | Article Number |
|---|---|
| electrolyte | 30010-E33 |

#30010-E33

## HOLDER AND KEY FOR PROBES

Sensor holder connection for 6.2 x 1 mm tubing, **including** PG 13.5 screw fitting

| Article | Article Number |
|---|---|
| key for probes | 30010-E39 |
| probe holder | 30010-E35 |

#30010-E35

#30010-E39

## PE SAMPLE WATER AND DOSING LINE

¼“ x 6,35 mm

| Article | Article Number |
|---|---|
| PE sample water and dosing line 10 m | 30010-E5 |
| PE sample water and dosing line 150 m | 30010-E5-150m |

#30010-E5

## SUCTION

for the suction line inside the tank

#30010-E101

- suction lance including lid for 20 L canister
- includes vent hole in the lid
- includes PG cable gland for PE measuring and dosing line #30010-E5 or #30010-E5-150 (see page 102)
- total length: 380 mm (without lid)

#30010-E25

| Article | Article Number |
|---|---|
| suction valve | 30010-E25 |
| suction lance | 30010-E101 |

## REPLACEMENT DOSING HOSE PUMP

# 30010-E23

#30010-E40

#30010-E9 / #30010-E91

| Article | Article Number |
|---|---|
| front cover **including** hose, **without** motor | 30010-E40 |
| replacement dosing hose pump 12 V, 3.6 l/h, for MIDA.Sin Pro, MIDA.Sin and MIDA.Sin Salt | 30010-E9 |
| replacement dosing hose pump 12 V, 0.6 l/h, for flocculation, MIDA.Sin Pro | 30010-E91 |
| turnstile for ASEKO systems | 30010-E23 |

## DOSING PUMP HOSE

Replacement dosing pump hose made of LDPE, resistant to acids and chemicals, **including** union nut and silicone grease.

Material: LDPE

#30010-E8

| Article | Article Number |
|---|---|
| dosing pump hose | 30010-E8 |

## THERMOMETER

Compatible with systems from 2021 onwards

For air, solar, and water temperature measurement, PT 1000, cable length: 3 m

#30010-E47

#30010-E29

| Article | Article Number |
|---|---|
| immersion sleeve ¼“ | 30010-E29 |
| thermometer | 30010-E47 |

## THERMOMETER AIR TEMPERATURE

Spare part for systems built until the end of 2020

Required for winter operation function, **without** cable, electronic temperature sensor with 4 - 20 mA output.

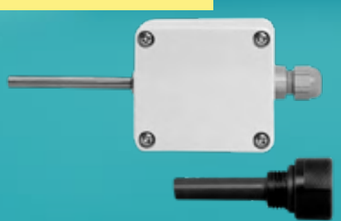
#30010-E11

| Article | Article Number |
|---|---|
| thermometer air temperature | 30010-E11 |

## THERMOMETER WATER TEMPERATURE

Spare part for systems built until the end of 2020

For water temperature, **including** a 1/4-inch thermowell.



#30010-E28

| Article | Article Number |
|---|---|
| thermometer **including** immersion sleeve ¼“ | 30010-E28 |

## 2-WAY SOLENOID VALVE ½“

- 230 V/50Hz
- for automatic fresh water make-up
- servo-controlled diaphragm valve
- spring-loaded diaphragm opens without differential pressure
- soft closing and low noise
- high flow rate with compact design
- energy-saving dual coil technology in Kick and Drop design
- material: Brass, Seal: NBR

Recommendation: For automatic water top-up, we recommend installing a PVC valve upstream of the solenoid valve. This avoids direct contact between metal parts and the pool water, preventing corrosion and increasing the longevity of the system.

Combination: T-piece 90° (50 x ½“ #01858 or 63 x ½“ #01863)
+ Ball valve DN 15 #02453
+ Two union connections #25960

#01858 / #01863

#30010-E52

| Article | Article Number |
|---|---|
| 2-way solenoid valve ½“ | 30010-E52 |

## COAGULATION MIXER

The coagulation mixer is a static mixer for cavitation of the water and for the injection of Floc+ flocculant. It enhances the coagulation and flocculation effect for the conversion of dissolved particles into filterable substances. Made of plastic, with transparent tube, suitable for MIDA.Sin Pro (see page 84), and MIDA.Profi Plus (see page 78).

#30010-E59 / #30010-E60

| Article | Article Number |
|---|---|
| connection: d50/DN40 | 30010-E59 |
| connection: d63/DN50 | 30010-E60 |

## INJECTION SECTION TRANSPARENT

The transparent injection section features 4x female threads ¼“ for the installation of injection valves and a glued connection of 50 mm internal / 63 mm external.
Length: 210 mm
Unused threads should be closed with a plug including O-ring #30010-E58.
Plug (sold separately) is **not** included with the injection section.

#30010-E58

#30010-E82

| Article | Article Number |
|---|---|
| injection section* | 30010-E82 |
| PVC plug 1/4“ AG with O-ring | 30010-E58 |

*Plug not included in the delivery scope.

## ADHESIVE PLUGS

d50mm - 1/4” female thread, for ball valve and injection valve

#30010-E26

#30010-E19

| Article | Article Number |
|---|---|
| PVC reduction ½“ AG x ¼“ female thread | 30010-E26 |
| adhesive plugs | 30010-E19 |

## INJECTION VALVE ¼“ AG

For the injection of water treatment chemicals

#30010-E42

#30010-E4

| Article | Article Number |
|---|---|
| replacement diaphragm for 1/4” injection valve | 30010-E42 |
| injection valve ¼“ | 30010-E4 |

## EXTRACTION BALL VALVE ¼“

Material: PP, for the measuring water line

#30010-E24

#30010-E24-1

| Article | Article Number |
|---|---|
| extraction ball valve 1/4“ | 30010-E24 |
| Sample water extraction set consisting of an extraction ball valve and T-piece | 30010-E24-1 |

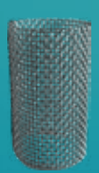
Installation example

## ELECTRONIC FLOW SWITCH WITH FILTER

Allows visual inspection of the measuring water of the sensors.
Error message in case of insufficient flow to the sensors.
Prevents incorrect measurements and dosing.
**Includes** pre-filter.

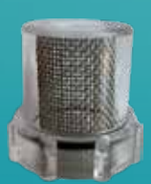
Compatible with systems until 2023

#30010-E27



#30010-E36

#30010-E37



#30010-E38

| Article | Article Number |
|---|---|
| sealing | 30010-E37 |
| strainer | 30010-E36 |
| cap with strainer and seal | 30010-E38 |
| flow switch **including** pre-filter | 30010-E27 |

## ELECTRONIC FLOW SWITCH WITH FILTER

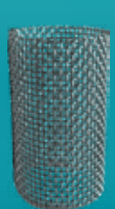
Allows visual inspection of the measuring water for the sensors.
Error message in case of insufficient flow to the sensors.
Prevents incorrect measurements and dosing.
**Includes** pre-filter.

Compatible with systems from 2023 onwards

#30010-E71

#30020-E28

#30010-E68



#30010-E69

#30010-E70

| Article | Article Number |
|---|---|
| sealing | 30010-E70 |
| strainer | 30010-E69 |
| cap with strainer and seal | 30010-E71 |
| flow switch **including** pre-filter | 30010-E68 |
| flow switch **including** pre-filter for salt electrolysis | 30020-E28 |

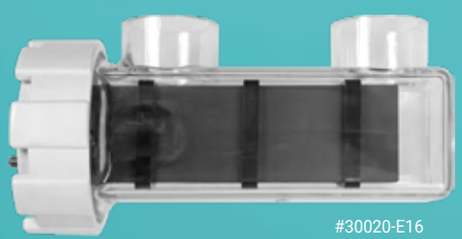
## ELECTROLYTIC CELL

**approx. from summer 2026**

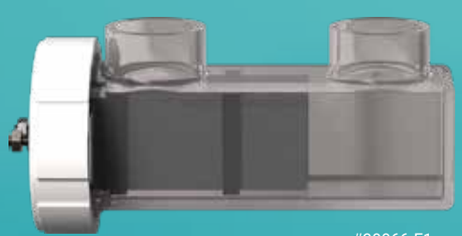
NEW

EXCLUSIVE MIDAS

Manufactured from titanium with a high-quality iridium-ruthenium coating, this component stands out due to its exceptional durability. Advanced materials ensure a stable surface and a significantly extended service life. At the same time, the optimized interaction between chlorine and free radicals enables enhanced disinfection performance, ensuring higher efficiency and reliably hygienic pool water.



#30020-E16



#30066-E1

| Technical Specifications | Electrolytic cell 30 g | Electrolytic cell 20 g |
|---|---|---|
| pool volume* | 100 m³ | 70 m³ |
| chlorine production | 30 g at 0.4% salinity | 20 g at 0.4% salinity |
| suitable for | MIDA.Sin Salt 2.0<br>MIDA.EXT Salt 2.0<br>MIDA.Sin Salt eOX 2.0<br>MIDA.EXT Salt eOX 2.0<br>compatible with predecessor models | MIDA.Sin Salt NET<br>MIDA.EXT Salt NET |
| service life | ca. 8.000 operating hours | ca. 8.000 operating hours |

*Specifications valid up to +28°C water temperature, without cover and 24 hours/day runtime (with a cover, the filtration time can be shortened or the pool volume increased).

**Now with higher production output!**

| Article | Article Number |
|---|---|
| electrolytic cell 30 g/h **with** housing | 30020-E16 |
| electrolytic cell 30 g/h **without** housing | 30020-E17 |
| electrolytic cell 20 g/h **with** housing | 30066-E1 |
| electrolytic cell 20 g/h **without** housing | 30066-E2 |
| housing | 30020-E4 |

## SACRIFICIAL ANODE

EXCLUSIVE MIDAS

1½" sacrificial anode for corrosion protection of stainless steel components, especially in salt electrolysis, material: zinc, in 50 mm or 63 mm PVC, with T-piece.

#OA-50 / #OA-63

**The sacrificial anode must be earthed on-site.**

PLEASE NOTE:

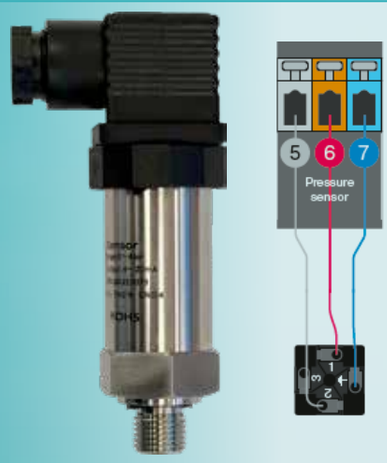
**We generally do not recommend the use of salt electrolysis and hydrolysis in conjunction with stainless steel components. However, corrosion can be reduced or even avoided if an optional sacrificial anode is installed.**

| Article | Article Number |
|---|---|
| sacrificial anode 50 mm with slip sockets | OA-50 |
| sacrificial anode 63 mm with slip sockets | OA-63 |

## FILTER PRESSURE SENSOR

NEW

- compatible with MIDA.Profi Plus, MIDA.Sin Pro 2.0, MIDA.Sin Salt 2.0, and MIDA.Sin Salt eOX 2.0
- enables automatic backwashing via the pressure in the filter when it rises above the set value
- occurs in parallel with the actual backwash cycle according to the settings
- requires an additional Besgo 5-way valve, operated with air or water pressure – see page 32
- 4-20 mA, 10-30 VDC, protection class IP65
- made of stainless steel AISI304/316L, connection ¼" male thread




| Article | Article Number |
|---|---|
| filter pressure sensor | 30010-E108 |

## MIDA.SIN SERVICE KIT

EXCLUSIVE MIDAS

#30010-E30
Image may differ from the actual contents.

### The MIDA.Sin service kit includes:

- 1x Injection valve #30010-E4
- 4x Membrane for injection valve #30010-E42
- 3x Speedfit connection ¼" for sample water line #30010-E62
- 2x Plug ¼" #30010-E58
- 1x Storage solution for pH/ORP probes
- 1x Wrench for probes #30010-E39
- 4x O-ring for probes 11,6 x 2,3 mm
- 1x Buffer solution ORP 650 mV
- 1x Buffer solution pH 4,01
- 1x Buffer solution pH 7,00
- 1x Buffer solution pH 9,21

| Article | Article Number |
|---|---|
| MIDA.Sin Service Kit | 30010-E30 |

## CONNECTION CABLE

2-core connection cable between MIDA.Sin Salt 2.0 and MIDA.EXT Salt 2.0,
MIDA.Sin Salt eOX 2.0 and MIDA.EXT Salt eOX 2.0, as well as MIDA.Sin Salt and MIDA.Sin Salt Easy.

#30020-E7

| Article | Article Number |
|---|---|
| connection cable | 30020-E7 |

# POOL SALT & BUFFER SOLUTIONS



## POOL SALT

**Complies with quality standard EN 16401 and the Biocidal Products Regulation (BPR) 528/2012.**

Pool salt contributes to a safer use of the swimming pool and offers high swimming comfort. Poolsel is produced on the basis of natural, coarse sea salt with extremely high purity and low sulfate content; furthermore, it contains no harmful anti-caking agents. The pool salt is used to optimize salinity and for chlorine production via electrolysis.

**Application:** Salt for swimming pools / salt electrolysis
(not suitable for membrane electrolysis),
Sea salt for optimizing salinity

Packaging Unit: Palett of 40 bags (25 kg each)

- ✓ Salt crystals – Grain size: 1-2 mm
- ✓ very high purity – contains no additives
- ✓ highly and quickly soluble
- ✓ suitable for almost all salt electrolysis systems

| Article | PU | Article Number |
|---|---|---|
| pool salt | 40 (per pallet) | 799 |

#799

## BUFFER SOLUTIONS

#1070-E3

#102030-E1

#102030-E2

#102030-E3

#102030-E4

| Article | Article Number |
|---|---|
| buffer solution pH 4, red, 50 ml | 1070-E3 |
| buffer solution pH 7, green, 50 ml | 102030-E1 |
| buffer solution pH 10, blue, 50 ml | 102030-E2 |
| buffer solution ORP 475 mV, clear, 50 ml | 102030-E3 |
| buffer solution neutral, clear, 50 ml | 102030-E4 |

## PE SAFETY CONTAINER

PE safety container with carrying handle, 40 L, translucent, 40 x 40 x 33 cm for containers with 25/30 L capacity, color white. Prevents liquids from damaging the ground or contaminating groundwater, thus protecting the environment.
Spilled substances are absorbed according to legal requirements and retained in the containment tray.

| Article | Article Number |
|---|---|
| PE-safety container | 392 |

#392

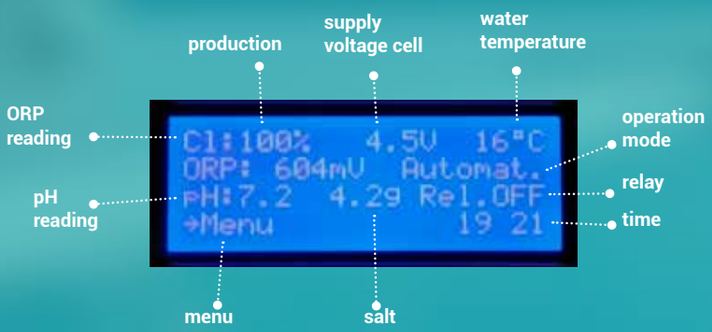
# MIDA.LOW SALT & MIDA.SALT

## MIDA.LOW SALT

Compact salt electrolysis for private pools with low salt content of 1-2 g / l = 0.1-0.2%, shockproof housing with stainless steel frame V4A / AISI 316 and digital display with menu navigation in 12 different languages (DE, GB, F, NL, CZ, E, CAT, P, I, HR, HEB, TR), 230V, protection class IP65.

### ADVANTAGES:

- ✓ self-cleaning monopolar (MIDA.Low Salt 1 and 2) or bipolar cells (MIDA.Low Salt 3) with 10,000 hours operating life at 4 hours polarization and 18,000 hours at 8 hours polarization, vertical installation (horizontal with flow switch)
- ✓ waterproof housing with IP65 protection
- ✓ easy to install because of the large clamping area
- ✓ less power consumption and less heat in the device, since no transformers are installed (less susceptible to interference)
- ✓ easy to retrofit into almost any pool area




### CHARACTERISTICS:

- works with 1 - 2 g of salt per liter
- integrated microprocessor
- pH / ORP / chlorine options with high-quality PVC probes easy to install and maintainable wall mounting plate with 1.5 l / h pH dosing pump
- coaxial cable with BNC connector
- probes are interchangeable
- integrated gas sensor, optional flow switch for horizontal installation
- including filter control and a free relay for lighting etc.
- reduction of chlorine production when the pool cover is closed
- dosing time delay
  easy and intuitive menu navigation (3 buttons) in 12 different languages

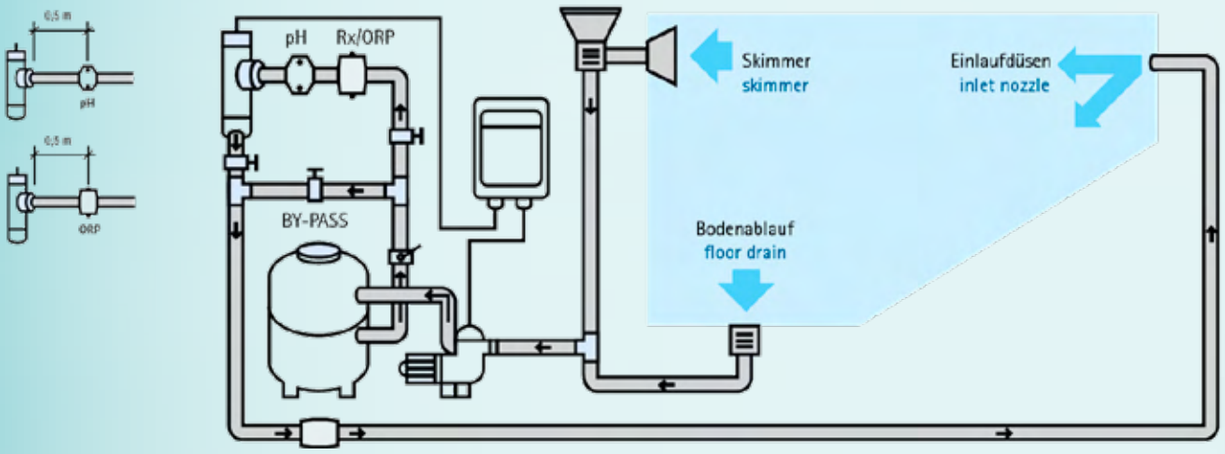
### Prerequisite of the water parameters

| Parameter | Minimal | Maximum | Check |
|---|---|---|---|
| Hardness [ppm] | 150 | 250 | monthly |
| Alkalinity [ppm] | 100 | 160 | weekly |
| pH | 7,0 | 7,8 | weekly |
| Cyanuric acid | 0 | 50 | monthly |

### Recommended chlorine production by pool size and filter usage

| | | Pool volume | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 25 m³ | 50 m³ | 75 m³ | 100 m³ | 125 m³ | 150 m³ | 175 m³ | 200 m³ |
| filtration times | 4 h | 15 g/h | 25 g/h | | | | | | |
| | 6 h | 10 g/h | 20 g/h | 25 g/h | 35 g/h | | | | |
| | 8 h | 10 g/h | 15 g/h | 20 g/h | 25 g/h | 35 g/h | 35 g/h | | |
| | 10 h | | | 15 g/h | 20 g/h | 25 g/h | 35 g/h | 35 g/h | |
| | 12 h | | | | 20 g/h | 25 g/h | 25 g/h | 35 g/h | 35 g/h |

At >28 °C please use the next larger system




***INJECTION***

| Description | MIDA.Low Salt 1 | MIDA.Low Salt 2 | MIDA.Low Salt 3 |
|---|---|---|---|
| Use | private pools | | |
| Intensity | 0-100 % | | |
| Minimal salt concentration | 1 g per liter | | |
| Recommended salt concentration | 1-2 g per liter | | |
| Production chlorine with 4 – 5 g salt | 15 g/h | 20 g/h | 30 g/h |
| m³ Pool (up to 28°C)* | 50 m³ | 75 m³ | 125 m³ |
| m³ Pool (over 28°C)* | 25 m³ | 50 m³ | 100 m³ |
| Display | LCD digital 20 x 4 cm, 12 languages (DE, GB, F, NL, CZ, E, CAT, P, I, HR, HEB, TR) | | |
| Power supply | 230 V 50/60 Hz | | |
| Outlet (cell) | 25 A | 35 A | 17,55 A |
| Maximum power output | 187,5 W | 363 W | 380 W |
| Max. voltage cell | 7,5 V (monopolar) | 7,5 V (monopolar) | 21 V (bipolar) |
| Dimensions | 308 x 250 x 89 mm | | |
| Electronic box | fireproof plastic ABS, black | | |
| Protection class | IP 65 | | |
| Electronic | microprozessor 16 bit | | |
| Intensity control | Ampere + Volt | | |
| Ventilation | natural convection | | |
| Automatic cleaning | programmable 1-8 h | | |
| Flow switch | gas sensor | | |
| Time counter | yes | | |
| Control production of disinfection | 0 - 100 % | | |
| Alarms | salt insufficient / too much salt / no flow / error pH pump / fault probe / short circuit / temperature | | |
| Test salinity | too much / too little salt without conductance probe or in g / l with conductance probe | | |
| Production control by pool cover | 20% production with closed pool cover | | |
| Production control by external signal | – | | |
| Communication | RS 232 | | |
| 230 V output control (1 output) | acid pump | | |
| Potential-free output control (1 output) | AUX 1 | | |
| Number of bags of salt | 2 - 4 backs à 25 kg | 3 -6 backs à 25 kg | 5 - 10 backs à 25 kg |

*At least 8 hours filter runtime (with several users per day or less filter running time, the required chlorine production should be coordinated together).

| Article | Max. pool volume | Weight | Article Number |
|---|---|---|---|
| MIDA.Low Salt 1 | 50 m³ | 4 kg | 1031 |
| MIDA.Low Salt 2 | 75 m³ | 4 kg | 1032 |
| MIDA.Low Salt 3 | 125 m³ | 4 kg | 1033 |

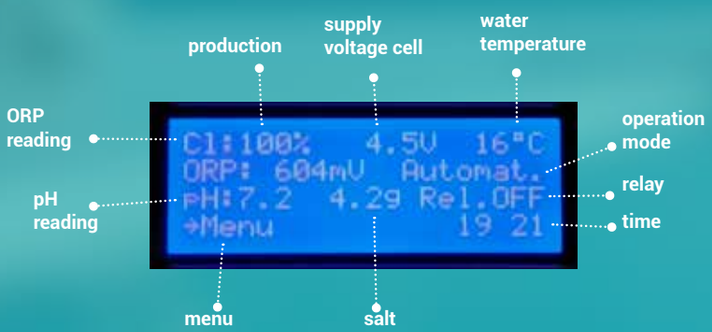
Other systems available on request

## MIDA.SALT

Compact salt electrolysis for private swimming pools with impact-resistant housing, stainless steel frame V4A / AISI 316 and digital display with menu navigation in 12 different languages (DE, GB, F, NL, CZ, E, CAT, P, I, HR, HEB, TR), 230V, protection class IP65.

## ADVANTAGES:

- ✓ self-cleaning monopolar cells with 10,000 operating hours lifetime at 4 hours polarization and 18,000 hours at 8 hours polarization, vertical installation (horizontal with flow switch)
- ✓ waterproof housing with IP65 protection
- ✓ easy to install because of the large clamping area
- ✓ less power consumption and less heat in the device, since no transformers are installed (less susceptible to interference)
- ✓ easy to retrofit into almost any pool are




## CHARACTERISTICS:

- works with 1 - 2 g of salt per liter
- integrated microprocessor
- pH / ORP / chlorine options with high-quality PVC probes easy to install and maintainable wall mounting plate with 1.5 l / h pH dosing pump
- coaxial cable with BNC connector
- probes are interchangeable
- integrated gas sensor, optional flow switch for horizontal installation
- including filter control and a free relay for lighting etc.
- reduction of chlorine production when the pool cover is closed
- dosing time delay
- easy and intuitive menu navigation (3 buttons) in 12 different languages

### Prerequisite of the water parameters

| Parameter | Minimal | Maximum | Check |
|---|---|---|---|
| Hardness [ppm] | 150 | 250 | monthly |
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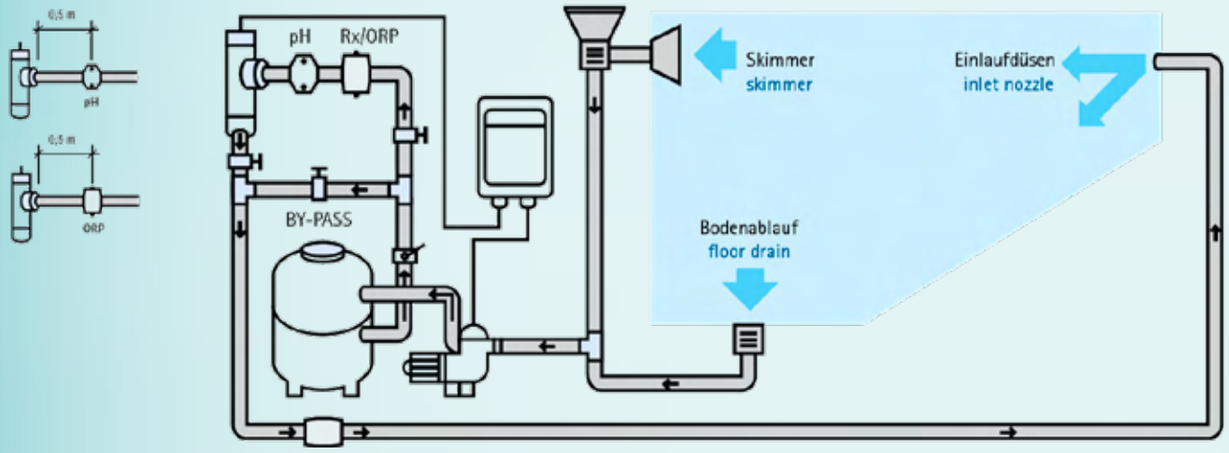
| pH | 7,0 | 7,8 | weekly |
| Cyanuric acid | 0 | 50 | monthly |

### Recommended chlorine production by pool size and filter usage

| | | Pool volume | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 25 m³ | 50 m³ | 75 m³ | 100 m³ | 125 m³ | 150 m³ | 175 m³ | 200 m³ |
| filtration times | 4 h | 15 g/h | 25 g/h | | | | | | |
| | 6 h | 10 g/h | 20 g/h | 25 g/h | 35 g/h | | | | |
| | 8 h | 10 g/h | 15 g/h | 20 g/h | 25 g/h | 35 g/h | 35 g/h | | |
| | 10 h | | | 15 g/h | 20 g/h | 25 g/h | 35 g/h | 35 g/h | |
| | 12 h | | | | 20 g/h | 25 g/h | 25 g/h | 35 g/h | 35 g/h |

At >28 °C please use the next larger system




***INJECTION***



| Description | MIDA.Salt 3 |
|---|---|
| Use | private pools |
| Intensity | 0-100 % |
| Minimal salt concentration | 2 g per liter |
| Recommended salt concentration | 4-5 g per liter |
| Production chlorine with 4 – 5 g salt | 35 g/h |
| m³ Pool (up to 28°C)* | 150 m³ |
| m³ Pool (over 28°C)* | 100 m³ |
| Display | LCD digital 20 x 4 cm, 12 languages (DE, GB, F, NL, CZ, E, CAT, P, I, HR, HEB, TR) |
| Power supply | 230 V 50/60 Hz |
| Outlet (cell) | 35 A |
| Maximum power output | 263 W |
| Max. voltage cell | 7,5 V (monopolar) |
| Dimensions | 308 x 250 x 89 mm |
| Electronic box | fireproof plastic ABS, black |
| Protection class | IP 65 |
| Electronic | microprozessor 16 bit |
| Intensity control | Ampere + Volt |
| Ventilation | natural convection |
| Automatic cleaning | programmable 1-8 h |
| Flow switch | gas sensor |
| Time counter | yes |
| Control production of disinfection | 0 - 100 % |
| Alarms | salt insufficient / too much salt / no flow / error pH pump / fault probe / short circuit / temperature |
| Test salinity | too much / too little salt without conductance probe or in g / l with conductance probe |
| Production control by pool cover | 20% production with closed pool cover |
| Production control by external signal | – |
| Communication | RS 232 |
| 230 V output control (1 output) | acid pump |
| Potential-free output control (1 output) | AUX 1 |
| Number of bags of salt | 24 - 30 backs à 25 kg |

*At least 8 hours filter runtime (with several users per day or less filter running time, the required chlorine production should be coordinated together).

| Article | Max. pool volume | Weight | Code |
|---|---|---|---|
| MIDA.Salt 3 | 150 m³ | 4 kg | 1023 |

Other systems available on request

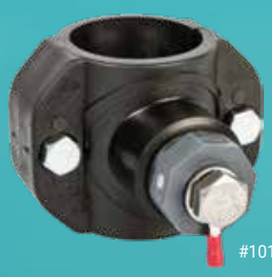
# OPTIONAL ACCESSORIES AND SPARE PARTS

FOR MIDA.LOW SALT & MIDA.SALT

## EARTHING-SET

PRICE REDUCTION

| Article | Weight | Code |
|---|---|---|
| earthing-set for MIDA.Salt | 1 kg | 1012 |


#1012

## NTC TEMPERATURE MODULE

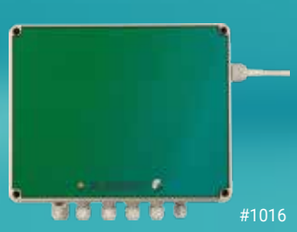
PRICE REDUCTION

| Article | Weight | Code |
|---|---|---|
| NTC temperature module | 0,5 kg | 1013 |

#1013

## WIFI-MODULE

| Article | Code |
|---|---|
| WiFi-Module for MIDA.Salt | 1016 |


#1016

## PH / ORP MODULE PRO

Wall mounting plate including:
- sample water tank
- prefilter
- dosing pump

PRICE REDUCTION

| Article | Weight | Code |
|---|---|---|
| pH / ORP module pro | 2,5 kg | 1017 |

#1017

## PH MODULE FOR PVC PIPE INSTALLATION

Including:
- installation material for PVC pipe
- pH peristaltic pump 1.5–4.0 l/h

PRICE REDUCTION

| Article | Weight | Code |
|---|---|---|
| pH / ORP module pro | 2,5 kg | 1019 |

#1019

# SPARE PARTS FOR MIDA.LOW SALT & MIDA. SALT

#1021-E2

#1021-E5

#1022-E1
#1031-E1

#1021-E3

#1021-E8

| Article | Article Number |
|---|---|
| pH probe for MIDA.Salt | 1021-E2 |
| ORP probe for MIDA.Salt | 1021-E3 |
| pH peristaltic pump 1,5 l/h for MIDA.Salt | 1021-E5 |
| housing for MIDA.Salt cell 15 g/h | 1021-E8 |
| MIDA.Salt cell 25 g/h | 1022-E1 |
| MIDA.Low Salt cell 15 g/h | 1031-E1 |

# CLEAN WATER WITH UV-C DISINFECTION

## UV-C technology – effective water hygiene at a high-tech level

UV-C disinfection devices use high-energy UV-C radiation in the range of 200–280 nm to reliably deactivate microorganisms such as bacteria, viruses, algae, or parasites in the water flowing past. The radiation is generated within a closed UV-C lamp—safe, invisible, and acting exclusively on the water inside the device.

**The advantage for your pool:**

- UV-C reduces the use of chlorine by up to 70%
- ensures crystal-clear water
- prevents the typical chlorine odor
- materials in the pool area are protected
- lowers maintenance requirements and saves costs
- increases the sustainability of your system

**UV-C thus offers one of the most efficient, cleanest, and most modern forms of water disinfection —ideal for health-conscious and technically demanding pool owners.**

UV-C is effective against all microorganisms

crystal-clear water

low use of water treatment chemicals

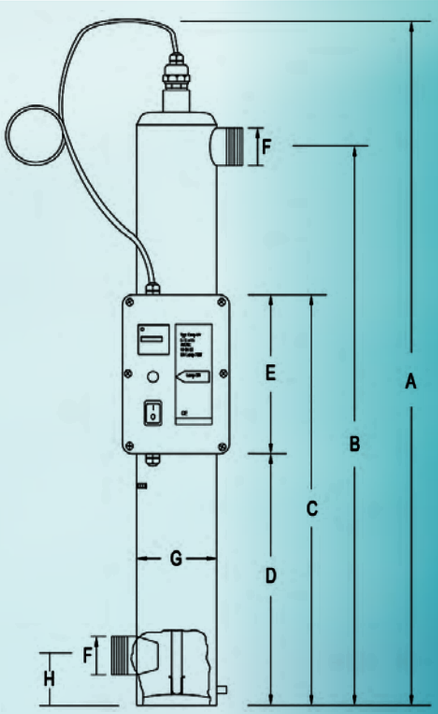
lower costs for chemicals, energy, and maintenance

no risk of overdosing

UV-C is an environmentally friendly technology

## UV-C DISINFECTION TECHNOLOGY
MODEL EASY-UV

The EASY-UV devices are bacteriologically tested. A disinfection rate of 75–91% is achieved after only the first day of operation, and 94% on the second day. With UV-C light, bacteria, viruses, algae, fungi, parasites, and other microorganisms are reliably killed; at the same time, chloramines are destroyed – eliminating unpleasant odors and irritation of the mucous membranes.

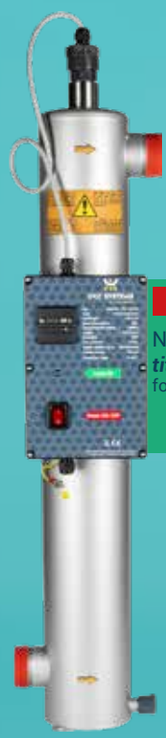


#129

#207

| Article Number | Model | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|---|
| 129 | Easy-UV 4–8 m³/h | 1000 mm | 790 mm | 650 mm | 400 mm | 240 mm | 1 ½“ AG | 90 mm | 60 mm |
| 207 | Easy-UV 5–15 m³/h | 1000 mm | 805 mm | 650 mm | 400 mm | 240 mm | 2“ AG | 125 mm | 80 mm |

| Technical Specifications | 4-8 m³/h | 5-15 m³/h |
|---|---|---|
| lamp | 1 x low-pressure lamp | 1 x low-pressure lamp |
| lamp service life | approx. 9.000 operating hours | approx. 9.000 operating hours |
| power | 80 W | 80 W |
| wavelength | 253,7 nanometers | 253,7 nanometers |
| intensity at 1 m | 245 µW/cm² | 245 µW/cm² |
| retention time | 4 - 2 sec. | 6,7 – 2,25 sec. |
| voltage | 230 V | 230 V |
| frequency | 50 Hz | 50 Hz |
| protection class | IP54 | IP54 |
| ballast | electronic | electronic |
| flow rate | 4 - 8 m³/h | 5 - 15 m³/h |
| bypass operation up to | 15 m³/h pumps | 30 m³/h pumps |
| max. operating pressure | 2,5 bar | 2,5 bar |
| material: housing | AISI 316/1.4404 | AISI 316/1.4404 or titanium |
| water temperature | 10 - 40°C | 10 - 40°C |
| hour counter | no | yes |
| on/off switch | no | yes |
| control lamp | yes | yes |



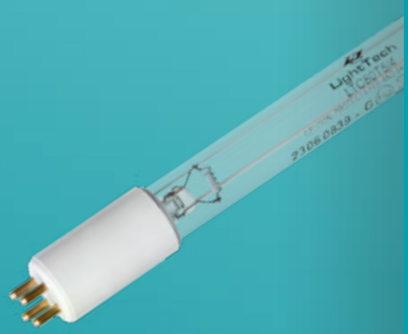
**NEW**

Now also with ***titanium housing*** for salt electrolysis.

#954

| | For pool capacity | Flow Rate | Max. Flow in Bypass | Male Thread | Material | Article Number |
|---|---|---|---|---|---|---|
| | 40 m³ | 4-8 m³/h | 15 m³/h | 1 ½“ | AISI 316 | 129 |
| | 20-75 m³ | 5-15 m³/h | 30 m³/h | 2“ | AISI 316 | 207 |
| NEU | 20-75 m³ | 5-15 m³/h | 30 m³/h | 2“ | titanium | 954 |

## REPLACEMENT LAMP



#129-E1

| Article | Watt | Article Number |
|---|---|---|
| replacement lamp #129 and #207 | 80 | 129-E1 |

## ACCESSORIES

#129-E4 / #207-E1

| Article | Article Number |
|---|---|
| pair of plastic brackets for #129 | 129-E4 |
| pair of plastic brackets for #207 | 207-E1 |

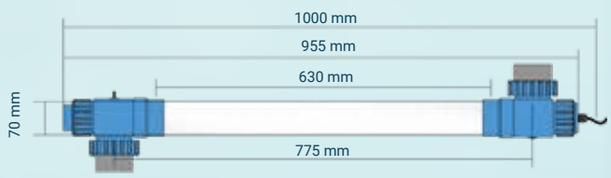
# HOUSING STAINLESS STEEL V4A/AISI 316L OR PLASTIC PVC

- stainless steel housing V4A/AISI 316L or PVC plastic
- 2 x 63/50 mm glued connection made of PVC, alternatively 2 x 1 ½“ female threads
- 230 V connection

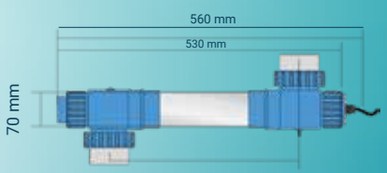
#201 / #202 / #203 / #204

| | 16 Watt | 40 Watt | 75 Watt | 130 Watt |
|---|---|---|---|---|
| max. pool size | 20 m³ | 45 m³ | 65 m³ | 90 m³ |
| lamp | 1 x low pressure LIGHTTECH T5 16W 4P | 1 x low pressure LIGHTTECH T5 40W 4P | 1 x low pressure LIGHTTECH T5 75W 4P | 1 x low pressure PHILIPS 130W Amalgam |
| lamp life | approx. 9,000 operating hours | approx. 9,000 operating hours. | approx. 9,000 operating hours | approx. 16,000 operating hours |
| power | 16 W | 40 W | 75 W | 130 W |
| wavelength | 253,7 nanometer | 253,7 nanometer | 253,7 nanometer | 253,7 nanometer |
| supply | 230 V AC 50/60 Hz | 230 V AC 50/60 Hz | 230 V AC 50/60 Hz | 230 V AC 50/60 Hz |
| power consumption | 0,29 A | 0,29 A | 0,57 A | 1,1 A |
| material: housing | stainless steel V4A/ AISI 316L | stainless steel V4A/ AISI 316L | stainless steel V4A/ AISI 316L | stainless steel V4A/ AISI 316L |
| protection class | IP54 | IP54 | IP54 | IP54 |
| max. operating pressure | 2 bar | 2 bar | 2 bar | 2 bar |
| water temperature | 10 - 40°C | 10 - 40°C | 10 - 40°C | 10 - 40°C |
| flow rate (recommended) | 5 m³/h | 11 m³/h | 16 m³/h | 22 m³/h |
| hour meter | no | no | no | no |
| diameter | 70 mm | 70 mm | 70 mm | 70 mm |
| length | 560 mm | 1000 mm | 1000 mm | 1000 mm |
| Article Number | 201 | 202 | 203 | 204 |

#202 / #203 / #204




#201



#201-E1 / #202-E1 / #203-E1

#204-E1

#200-E1

## BLUE-TECH REPLACEMENT LAMPS

| Article | Watt | Article Number |
|---|---|---|
| replacement lamp PL-S | 12 | 200-E1 |
| replacement lamp T5 | 16 | 201-E1 |
| replacement lamp T5 | 40 | 202-E1 |
| replacement lamp T5 | 75 | 203-E1 |
| replacement lamp Philips | 130 | 204-E1 |

# HOUSING DUPLEX STAINLESS STEEL OR PVC PLASTIC

**NEW**
#131
#132

EXCLUSIVE MIDAS

- UV-resistant coated
- suitable for salt water*
- 2 x 63/50 mm adhesive connection, alternatively 2 x 1 ½" female thread
- 230 V connection
- robust DUPLEX stainless steel housing (#131 / #132)

**NEW** Now also available in **stainless steel**

| | Version 40 Watt | | Version 75 Watt | |
|---|---|---|---|---|
| max. pool size | 45 m³ | | 65 m³ | |
| lamp | 1 x low-pressure T5 40W 4P | | 1 x low-pressure T5 75W 4P | |
| lamp service life | 9.000 operating hours | | 9.000 operating hours | |
| power | 40 W | | 75 W | |
| wavelength | 253,7 nanometers | | 253,7 nanometers | |
| supply | 230 V AC 50/60 Hz | | 230 V AC 50/60 Hz | |
| power consumption | 0,42 A | | 0,8 A | |
| material: housing | PVC (UV-C stable) | | PVC (UV-C stable) | |
| protection class | IP54 | | IP54 | |
| max. operating pressure | 2 bar | | 2 bar | |
| water temperature | 10 - 40°C | | 10 - 40°C | |
| rec. flow rate | 9 m³/h | | 14 m³/h | |
| hour counter | no | | no | |
| diameter | 70 mm | | 70 mm | |
| length | 1000 mm | | 1000 mm | |
| material | plastic | stainless steel | stainless steel | stainless steel |
| Article Number | 202B | 131 | 203B | 132 |

# REPLACEMENT UV LAMPS

| Article | Watt | Article Number |
|---|---|---|
| replacement UV lamps T5 Lighttech | 40 | 202-E1 |
| replacement UV lamps T5 Lighttech | 75 | 203B-E1 |

#202-E1
#203B-E1

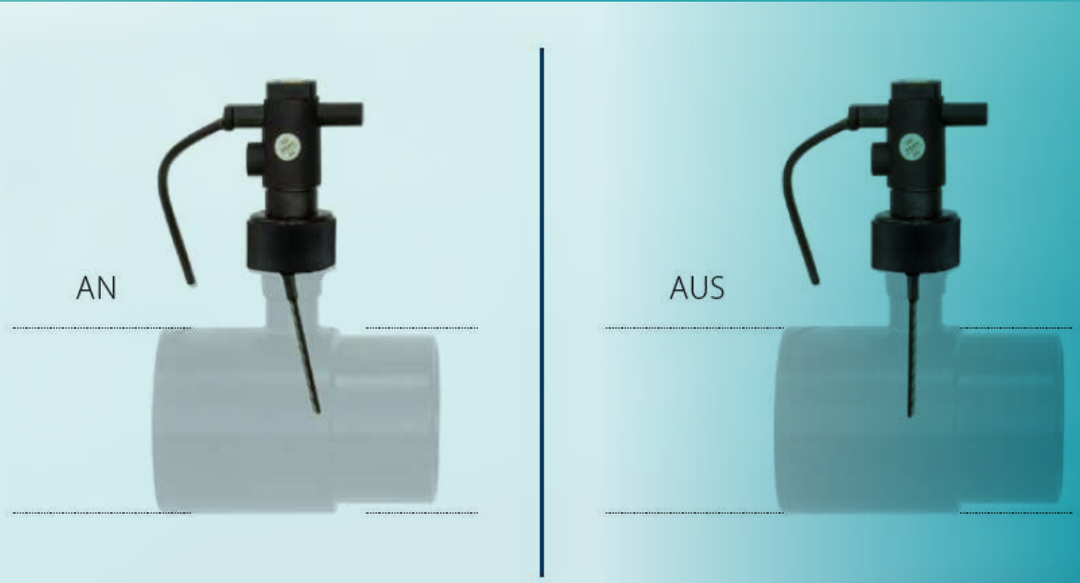
# FLOW MONITORING

The flow monitor is the ideal protection for devices such as a UV-C disinfection system in your swimming pool installation.
It switches off the lamp when the flow rate is too low, making it the perfect safety feature for electrical devices that need to shut off when there is no water flow.
Thanks to its compact design, the flow monitor is easy to install and can be easily integrated into an existing or newly installed piping system using the special T-piece.

- prevents damage caused by dry-running equipment
- easy installation and compact design
- includes T-piece with 63 mm connection for installing the paddle switch
- also suitable for saltwater systems

#198

| Technical Specifications | |
|---|---|
| voltage | 230 V AC |
| frequency | 50 Hz |
| IP protection class | 54 |
| connection dimension T-piece | 63 mm |
| minimum flow rate | 1,5 $m^3$/h |
| maximum flow rate | 23 $m^3$/h |




| Article | Article Number |
|---|---|
| flow monitoring | 198 |

# 04

# WATER HEATING

*QUIET SOPHISTICATION WITH MAXIMUM EFFICIENCY*

*Discover the future of pool heating – powerful, energy-efficient, and nearly silent. Our innovative heat pumps offer you not only impressive performance but also an exceptional level of silence: With a sound level of only 30 dB(A), they ensure undisturbed peace, even in the most idyllic pool landscape.*

*Thanks to an outstanding COP value of up to 22.5, the systems achieve unsurpassed energy efficiency and always guarantee well-tempered water with minimal consumption. The new MIDA.Perla, MIDA.Diva, and MIDA.Cosma models are characterized by their elegant, modern design that integrates effortlessly into any environment. Their innovative housing without visible fans fits stylishly into the aesthetics of your pool landscape, while full inverter technology and PV compatibility ensure a sustainable and cost-efficient heat supply.*

*Choose a heat pump that offers not only maximum efficiency but also pure elegance – for an incomparable bathing experience.*



## OVERVIEW


**HEAT PUMPS**

P. 126 MIDA.Perla
P. 128 MIDA.Diva
P. 130 MIDA.Cosma
NEW P. 132 MIDA.Public
P. 134 MIDA.Quick
P. 136 WiFi Adapter
P. 137 Accessories

**HEAT EXCHANGER**

P. 140 All-titanium heat exchanger
P. 141 Stainless Steel Heat Exchanger
P. 142 Plastic/Stainless Steel Heat Exchanger
P. 143 Heat exchanger HI-FLOW
P. 144 Heat exchanger HI-TEMP

**ELECTRIC HEATERS**

P. 146 Electric heater 230 V and 400 V
P. 147 Electric heater: Plastic & Incoloy

# QUICK OVERVIEW – HEAT PUMP DIFFERENCES

**Standard features on all models:**

- titanium heat exchanger – ideal for saltwater and chlorine
- digital display
- pressure gauge (except MIDA.Diva)
- cooling, heating, and automatic mode
- automatic defrost function
- flow switch
- winter cover
- registered under WEEE Reg. No. DE 54436223 for recycling of old devices

HEATING COOLING AUTOMATIC

## COMPARISON TABLE

| | | | | discontinued model | NEW |
|---|---|---|---|---|---|
| | MIDA.Perla** Full-Inverter | MIDA.Diva** Full-Inverter | MIDA.Cosma** Full-Inverter | MIDA.Quick ON/OFF | MIDA.Public |
| temperature range | from -20°C to +43°C | from -15°C to +43°C | from -15°C to +43°C | from -5°C to +35 °C | from -15°C to +43 °C |
| housing | galvanized steel and aluminum | galvanized steel, painted | galvanized steel, painted | galvanized steel | galvanized steel, painted |
| versions | 13-32 kW | 11-35 kW | 13-35 kW | 10-26 kW | 55-190 kW |
| fan orientation | horizontal | vertical | horizontal | horizontal | vertical |
| max. pool volume | approx. 140 m³ | approx. 130 m³ | approx. 130 m³ | approx. 100 m³ | approx. 440 m³ |
| sound pressure level (10m) | 12-38 dB(A) | 24-45 dB(A) | 14-33 dB(A) | 40-42 dB(A) | - |
| Wi-Fi included | yes | yes | yes | yes | yes |
| Wi-Fi optional | - | - | - | yes | yes |
| SG-Ready | yes | yes | no* | no* | no |
| refrigerant | R32 | R32 | R32 | R410A | R32 |
| display | 5" color touch display | 3,5" color touch display | touch LED display S/W | LED display | 3,5" color touch display |
| min./max. water temperature | +8°C to +40°C | +8°C to +40°C | +8°C to +40°C | +8 °C/+40 °C | +8 °C/+43 °C |

*Optional expansion to SG-ready is possible.

R32 *Environmentally friendly refrigerant R32*

**Products exclusive to professional retailers

# FULL-INVERTER HEAT PUMPS

## HIGHLY EFFICIENT AND ENERGY-SAVING

With the MIDA.Perla, MIDA.Diva, and MIDA.Cosma, you are choosing intelligent full-inverter technology that continuously adjusts the compressor and fan to actual demand. This precise adaptation to changing cooling and heating requirements noticeably reduces energy consumption while simultaneously protecting the components – the result is a significantly better seasonal performance factor than with classic systems.

The devices operate extremely quietly and, thanks to the SG-Ready interface, are ready for integration into intelligent power grids and photovoltaic systems. The superiority of the inverter control is also evident during startup: the startup phase takes only about a third of the time compared to conventional heat pumps.

**Due to the higher COP value and faster operational readiness, your operating costs are reduced in a sustainable, economical, and future-proof manner.**

### What additional advantages does full-inverter technology offer?

FULL INVERTER

- ✓ stepless control
- ✓ extended service life (the heat pump rarely runs at full load)
- ✓ shorter start-up curve of the heat pump
- ✓ significantly lower start-up currents
- ✓ very quiet operation
- ✓ improved COP values

FULL-INVERTER
# HEAT PUMP MIDA.PERLA

EXCLUSIVE MIDAS

ENERGY-SAVING

FULL INVERTER

KNX**

RS-485

R32 environmentally friendly refrigerant R32

TÜV SÜD***

operation at up to -20°C air temperature possible

**15 years warranty***
on Panasonic compressor

**including**
Wi Fi ADAPTER

COP value up to 22,3

SG Ready

This heat pump already meets the technical requirements for operation with renewable energies (photovoltaics, solar, etc.).

## SPECIAL FEATURES

- available in sizes from 13–32 kW
- COP value up to 22.3
- operating range from -20°C to +43°C
- pool volume up to approx. 140 m³ (depending on size)
- housing made of galvanized steel and aluminum
- color: dark gray
- stepless control
- max. water temperature (operation) up to +40°C
- refrigerant R32
- manometer
- on-site electrical protection: slow-blow fuse (C-breaker), RCD 30 mA < 0.1s
- with protective cover for the display

*Since the sizing of the heat pump depends on several factors, the current heating demand should always be determined in advance. We offer a calculation aid for this purpose, which we will be happy to provide upon request. Simply scan the QR code!

- operating modes: heating, cooling, automatic
- automatic defrosting device
- with titanium heat exchanger, excellently suited for salt water and chlorine
- 5" color touch display
- operation timer / silent mode with timer
- WiFi module pre-installed
- **including** winter cover
- **including** flow switch

Accessories – see page 137



*warranty: compressor 15 years, heat exchanger 10 years, each from date of manufacture / complete unit 2 years from date of installation
**KNX operation is possible via a KNX–RS-485/Modbus RTU gateway. not included in delivery.
***intelligent energy saving / intelligent voice assistant / intelligent self-maintenance

# VERSIONS MIDA.PERLA

| | Technical Specifications | MIDA.Perla 13* | MIDA.Perla 19** | MIDA.Perla 24*** | MIDA.Perla 32*** |
|---|---|---|---|---|---|
| | air outlet | horizontal | | | |
| | pool volume* | max. ca. 40 m³ | max. ca. 80 m³ | max. ca. 100 m³ | max. ca. 140 m³ |
| | flow rate (recommended) | 4,5 m³/h | 7,3 m³/h | 10,0 m³/h | 12,4 m³/h |
| | water connection | 50 mm back side | | | |
| measuring conditions air temperature 27°C[5] water temperature 26°C | heating output (Boost Mode) | 12,5 kW | 18,5 kW | 23,5 kW | 32 kW |
| | heating output | 1.2~10.5 kW/ 4.09~35.83 kBtu/h | 3.2~17 kW/ 10.92~58.00 kBtu/h | 3.1~21.5 kW/ 10.58~73.36 kBtu/h | 4~30 kW/ 13.65~102.36 kBtu/h |
| | input power | 0,06-1,50 kW | 0,14-2,33 kW | 0,15-3,03 kW | 0,20-4,23 kW |
| | operating current | 0,26-6,52 A | 0,61-10,13 A | 0,23-4,60 A | 0,30-6,43 A |
| | COP | 21.5~7 | 22.3~7.3 | 21.0~7.1 | 20.2~7.1 |
| measuring conditions air temperature 15°C[4] water temperature 26°C | heating output | 1~8.1 kW/ 3.412~27.64 kBtu/h | 2.5~13 kW/ 8.53~44.36 kBtu/h | 2.4~18.5 kW/ 8.19~63.12 kBtu/h | 3.1~23.1 kW/ 10.58~78.82 kBtu/h |
| | input power | 0,13-1,59 kW | 0,29-2,41 kW | 0,25-3,30 kW | 0,39-4,53 kW |
| | operating current | 0,57-6,91 A | 1,26-10,48 A | 0,38-5,02 A | 0,59-6,89 A |
| | COP | 7.9~5.1 | 8.5~5.4 | 9.5~5.6 | 8.0~5.1 |
| | water temperature | +8 °C to +40°C | | | |
| | air temperature | -20°C to approx. +43°C | | | |
| | safeguarding | 16 A | | 3 x 16 A | |
| | voltage / frequency range | 220-240V~/1Ph 50 HZ (60HZ) | | 380-400V~/3Ph 50 HZ (60HZ) | |
| | compressor brand | Panasonic | | | |
| | compressor | rotating | | | |
| | number of fans | 1 | | | |
| | cable cross section | 3*2.5 mm² | | 5*2.5 mm² | |
| | noise pressure level[1] | 10,11~31,61 dB(A) | 12,34~34,14 dB(A) | 15,34~39,57 dB(A) | 15,34~38,54 dB(A) |
| | noise pressure level[2] | 27~48.5 dB(A) | 29~50 dB(A) | 30~50 dB(A) | 32~55.2 dB(A) |
| | protection class | IPX4 | | | |
| | GWP-value | 675 | | | |
| | refrigerant/quantity | R32 / 0,55 kg | R32 / 0,95 kg | R32 / 1,15 kg | R32 / 1,5 kg |
| | alternative placement display | possible | | | |
| | net dimensions W x D x H | 1060×475×768 | 1144 x 489 x 865 | 1144 x 489 x 865 | 1144 x 489 x 865 |
| | delivery dimensions W x D x H | 1130×485×910 | 1210 x 515 x 1010 | 1210 x 515 x 1010 | 1210 x 515 x 1010 |
| | net weight | 79 kg | 109 kg | 135 kg | 143 kg |
| | Article Number | 4010 | 4012 | 4015 | 4017 |

*delivery including 2 m cable with plug
**delivery including 3 m cable with plug
*** delivery without cable



## Aqua Temp

*coming soon*

for communication with your heat pump

Laden im App Store

JETZT BEI Google Play

*coming soon*
including
KI-support
NIKIGPT

<u>Monitoring the operating status</u>
You can view the current status of your pool heating, including available hot water quantity and current outlet temperature.

<u>Controlling the heating:</u>
The app allows you to switch the pool heating on or off, set the desired water temperature, select the operating mode, and adjust timer settings.

<u>error notifications:</u>
In the event of malfunctions or errors, you will receive immediate notifications so that you can react quickly.

1) measured sound pressure level at 10 m (22 – 85 Hz)
2) measured sound pressure level at 1 m (22 – 85 Hz)
4) at 70% humidity 5) at 80% humidity

FULL-INVERTER
# HEAT PUMP MIDA.DIVA

EXCLUSIVE MIDAS

ENERGY-SAVING

FULL INVERTER

KNX**

RS-485

R32

environmentally friendly refrigerant R32

TÜV SÜD***

including WiFi ADAPTER

**15 years warranty***
on Panasonic compressor

COP value up to 18,6

SG Ready

This heat pump already meets the technical requirements to be operated with renewable energy sources (photovoltaic, solar, etc.).

## FEATURES

- available in sizes from 11-35 kW
- COP value up to 18,6
- operating range from -15°C to +43°C
- pool volume up to approx. 130 m³ (depending on the size)
- housing made of galvanized steel
- color: Anthracite
- stepless control
- max. water temperature (operation) to +40 °C
- refrigerant R32
- pressure gauge readable via display in the parameter menu
- electrical protection: slow-blow fuse (C-Automat), residual current circuit breaker (RCCB) 30 mA < 0,1s
- with protective housing for the display

*Since the sizing of the heat pump depends on several factors, the current heating demand should always be determined in advance. We offer a calculation aid for this purpose, which we will be happy to provide upon request. Simply scan the QR code!

- operating modes: heating, cooling, automatic
- automatic defrost system
- equipped with titanium heat exchanger – for saltwater and chlorinated water
- 3,5" color touchscreen display
- operating timer / silent mode with timer
- Wi-Fi module pre-installed
- **includes** winter cover
- **includes** flow switch

Accessories – see page 137



*warranty: compressor 15 years, heat exchanger 10 years, each from date of manufacture / complete unit 2 years from date of installation
**KNX operation is possible via a KNX–RS-485/Modbus RTU gateway. not included in delivery.
***intelligent energy saving / intelligent voice assistant / intelligent self-maintenance

# VERSIONS MIDA.DIVA

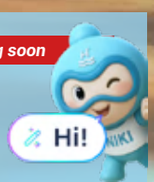
| | Technical Specifications | MIDA.Diva 11* | MIDA.Diva 17** | MIDA.Diva 25*** | MIDA.Diva 35*** |
|---|---|---|---|---|---|
| | air outlet | vertical | | | |
| | pool volume* | 25-55 m³ | 35-70 m³ | 45-95 m³ | 65-130 m³ |
| | flow rate (recommended) | 6 m³/h | 7,5 m³/h | 9,8 m³/h | 14,6 m³/h |
| | water connection | 50 mm | | | |
| measuring conditions air temperature 27°C** water temperature 26°C | heating output | 2,52-10,8 kW/ 8,60~36,85 kBtu/h | 3,51-17 kW/ 11,98~58 kBtu/h | 5,22-25 kW/ 17,81~85,3 kBtu/h | 7,38~35 kW/ 25,18~119,42 kBtu/h |
| | input power | 0,14-1,65 kW | 0,19-2,72 kW | 0,28-3,69 kW | 0,40~5,70 kW |
| | operating current | 0,61~7,17 A | 0,83~11,83 A | 0,43~5,61 A | 0,61~8,66 A |
| | COP | 18-6,55 | 18,5-6,25 | 18,6-6,77 | 18,5~6,14 |
| measuring conditions air temperature 15°C* water temperature 26°C | heating output | 1,98-8,73 kW/ 6,76~29,79 kBtu/h | 2,61-12,0 kW/ 8,91~40,95 kBtu/h | 4,05-19,2 kW/ 13,82~65,51 kBtu/h | 5,85~28 kW/ 19,96~95,54 kBtu/h |
| | input power | 0,23-1,87 kW | 0,30-2,63 kW | 0,46-4,02 kW | 0,73-6,13 kW |
| | operating current | 1,0~8,13 A | 1,31~11,43 A | 0,70~6,11 A | 1,11~9,32 A |
| | COP | 8,56-4,67 | 8,79-4,57 | 8,80-4,77 | 8,03~4,57 |
| | water temperature | +8 °C to +40°C | | | |
| | air temperature | -15°C to +43°C | | | |
| | safeguarding | 16 A | 16 A | 3 x 16 A | 3 x 16 A |
| | voltage / frequency range | 220-240V~/1Ph | | 380-400V~/3Ph | |
| | compressor brand | Panasonic | | | |
| | compressor | rotating | | | |
| | number of fans | 1 | | | |
| | cable cross section | 3 x 2,5 mm² | | 5 x 2,5 mm² | |
| | noise pressure level[1] | 24-34 dB(A) | 26-36 dB(A) | 30-40 dB(A) | 35-45 dB(A) |
| | noise pressure level[2] | 44-54 dB(A) | 46-56 dB(A) | 50-60 dB(A) | 55-65 dB(A) |
| | protection class | IPX4 | | | |
| | GWP-value | 675 | | | |
| | refrigerant/quantity | R32 / 0,65 kg | R32 / 0,85 kg | R32 / 1,3 kg | R32 / 1,8 kg |
| | alternative placement display | possible | | | |
| | net dimensions W x D x H | 600 x 600 x 925 mm | 600 x 600 x 925 mm | 690 x 690 x 1090 mm | 750 x 750 x 1200 mm |
| | delivery dimensions W x D x H | 710 x 670 x 1095 mm | 710 x 670 x 1095 mm | 795 x 755 x 1265 mm | 860 x 860 x 1424 mm |
| | net weight | 88 kg | 88 kg | 120 kg | 127 kg |
| | Article Number | 4020 | 4021 | 4025 | 4028 |

*delivery including 2 m cable with plug
**delivery including 3 m cable with plug
*** delivery without cable

## Aqua Temp

for communication with your heat pump

*coming soon*




Laden im App Store

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*coming soon*
including
KI-support
NIKIGPT

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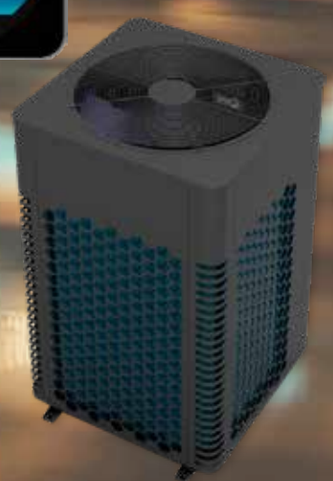




1) Measured sound pressure level at 10 m (22 – 85 Hz) 2) Measured sound pressure level at 1 m (22 – 85 Hz) * at 70% humidity ** at 80% humidity

FULL-INVERTER
# HEAT PUMP MIDA.COSMA

EXCLUSIVE MIDAS

ENERGY-SAVING

FULL INVERTER

KNX**

RS-485

R32 environmentally friendly refrigerant R32

TÜV SÜD***

**15 years warranty***
on Panasonic compressor

**including**
Wi Fi ADAPTER

COP value up to 18,5

This heat pump can be made PV-ready by using an additional external display.

## FEATURES

- available in sizes from 13-35 kW
- COP value up to 18,5
- operating range from -15°C to +43°C
- pool volume up to approx. 130 m³ (depending on the size)
- housing made of galvanized steel
- color: Dark gray
- stepless control
- max. water temperature (operation) to +40 °C
- refrigerant R32
- manometer
- side-facing fan direction
- electrical protection: slow-blow fuse (C-Automat), residual current circuit breaker (RCCB) 30 mA < 0,1s

- operating modes: heating, cooling, automatic
- automatic defrost system
- equipped with titanium heat exchanger – for saltwater and chlorinated water
- S/W LED touch display
- operating timer / silent mode with timer
- Wi-Fi module pre-installed
- **includes** winter cover
- **includes** flow switch

Accessories – see page 137

*Since the sizing of the heat pump depends on several factors, the current heating demand should always be determined in advance. We offer a calculation aid for this purpose, which we will be happy to provide upon request. Simply scan the QR code!



*warranty: compressor 15 years, heat exchanger 10 years, each from date of manufacture / complete unit 2 years from date of installation
**KNX operation is possible via a KNX–RS-485/Modbus RTU gateway. not included in delivery.
***intelligent energy saving / intelligent voice assistant / intelligent self-maintenance

# VERSIONS MIDA.COSMA

| | Technical Specifications | MIDA.Cosma 13* | MIDA.Cosma 20** | MIDA.Cosma 28*** | MIDA.Cosma 35*** |
|---|---|---|---|---|---|
| | air outlet | sideways | | | |
| | pool volume* | 40-70 m³ | 60-100 m³ | 70-115 m³ | 80-130 m³ |
| | flow rate (recommended) | 4,1 m³/h | 5,6 m³/h | 10,3 m³/h | 12,5 m³/h |
| | water connection | 50 mm back side | | | |
| measuring conditions air temperature 27°C** water temperature 26°C | heating output | 2,4~13 kW/ 8,19~44,36 kBtu/h | 3,5~20 kW/ 1,94~68,24 kBtu/h | 7,7~28 kW/ 26,27~95,54 kBtu/h | 7,8~35 kW/ 26,61~119,42 kBtu/h |
| | input power | 0,13~1,97 kW | 0,19~3,08 kW | 0,42~4,59 kW | 0,42~5,83 kW |
| | operating current | 0,57~8,57 A | 0,83~13,39 A | 0,64~6,98 A | 0,64~8,86 A |
| | COP | 18,5~6,6 | 18,3~6,5 | 18,5~6,1 | 18,5~6,0 |
| measuring conditions air temperature 15°C* water temperature 26°C | heating output | 1,6~9,1 kW/ 5,46~31,05 kBtu/h | 2,5~14,7 kW/ 8,53~50,16 kBtu/h | 4,9~18,9 kW/ 16,72~64,49 kBtu/h | 5~21,2 kW/ 17,06~72,33 kBtu/h |
| | input power | 0,20~1,78 kW | 0,31~3,00 kW | 0,60~3,78 kW | 0,61~4,33 kW |
| | operating current | 0,87~7,74 A | 1,35~13,04 A | 0,91~5,74 A | 0,93~6,58 A |
| | COP | 8,1~5,1 | 8,1~4,9 | 8,2~5,0 | 8,2~4,9 |
| | water temperature | +8 °C to +40°C | | | |
| | air temperature | -15°C to +43°C | | | |
| | safeguarding | 16 A | 16 A | 3 x 13 A | 3 x 16 A |
| | voltage / frequency range | 220-240V / 1Ph | | 380V / 3N | |
| | compressor brand | Mitsubishi | | Panasonic | |
| | compressor | rotating | | | |
| | number of fans | 1 | | | |
| | cable cross section | 3 x 2,5 mm² | | 5 x 2,5 mm² | |
| | noise pressure level[1] | 15-25 dB(A) | 19-29 dB(A) | 22-32 dB(A) | 24-33 dB(A) |
| | noise pressure level[2] | 35-45 dB(A) | 39-49 dB(A) | 42-52 dB(A) | 44-53 dB(A) |
| | protection class | IPX4 | | | |
| | GWP-value | 675 | | | |
| | refrigerant charge | 0,5 kg | 0,8 kg | 1,3 kg | 1,3 kg |
| | alternative placement display | possible with additional external display | | | |
| | net dimensions W x D x H | 1030 x 455 x 635 mm | 1210 x 530 x 900 mm | 1210 x 530 x 900 mm | 1210 x 530 x 900 mm |
| | delivery dimensions W x D x H | 1090 x 465 x 775 mm | 1250 x 530 x 1010 mm | 1245 x 530 x 1010 mm | 1245 x 530 x 1010 mm |
| | net weight | 60 kg | 90 kg | 120 kg | 100 kg |
| | delivery weight | 75 kg | 110 kg | 140 kg | 120 kg |
| | Article Number | 4052 | 4054 | 4057 | 4058 |

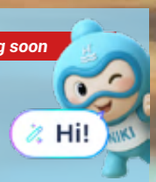
*delivery including 2 m cable with plug
**delivery including 3 m cable with plug
*** delivery without cable



## Aqua Temp

for communication with your heat pump

*coming soon*




Laden im App Store

JETZT BEI Google Play

*coming soon*
including
KI-support
NIKIGPT

Monitoring the operating status
You can view the current status of your pool heating, including available hot water quantity and current outlet temperature.

Controlling the heating:
The app allows you to switch the pool heating on or off, set the desired water temperature, select the operating mode, and adjust timer settings.

error notifications:
In the event of malfunctions or errors, you will receive immediate notifications so that you can react quickly.

1) Measured sound pressure level at 10 m (22 – 85 Hz) 2) Measured sound pressure level at 1 m (22 – 85 Hz) * at 70% humidity ** at 80% humidity

FULL-INVERTER
# HEAT PUMP MIDA.PUBLIC

NEW

EXCLUSIVE MIDAS

RS-485

PV-Ready!*

R32 environmentally friendly refrigerant R32

FULL INVERTER

#2686

#2687

COP value up to 16,5

**2 years warranty***
on compressor

## FEATURES

- available in sizes from 78 – 155 kW
- COP value of 6,1 – 16,5
- operating range is -15 °C to +43 °C
- pool volume is 250 – 440 m³
- housing made of galvanized steel with powder painting
- color: white
- full inverter technology
- **included** WiFi module
- self-developed driver board with gas cooling technology
- soft starting

- cooling & heating function
- automatic defrosting
- with 3,5" Color-Touch-Display
- **included** water flow switch
- max. water temperature +43 °C
- refrigerant R32
- RS485 connection port (centralized control)
- pressure gauge
- supplied without cable

Accessories – see page 137

*Since the sizing of the heat pump depends on several factors, the current heating demand should always be determined in advance. We offer a calculation aid for this purpose, which we will be happy to provide upon request. Simply scan the QR code!



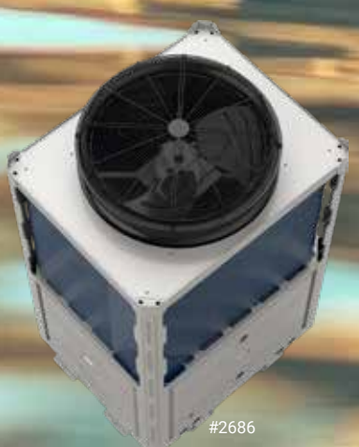
*warranty: complete unit 1 years from date of installation / 2 years for components

# VERSIONS OF MIDA.PUBLIC

| | Technical Specifications | MIDA.Public 80 | MIDA.Public 175 |
|---|---|---|---|
| | air outlet | vertical | vertical |
| | pool Volume | max. 250 m³ | max. 440 m³ |
| | water flow (recommended) | 20-27 m³/h | 2,3 m³/h |
| | connection | 63 mm | 110 mm |
| **HEATING** Measurement conditions Air temperature 24°C* Water temperature 26°C | heating power | 15~78 kW / 51,18~266,14 kBtu/h | 95 kW / 324,1 kBtu/h |
| | input power | 0,91~12,75 kW | 16,1 kW / 54,93 kBtu/h |
| | operating current | 1.40 - 19.57 A | 3 x 28,8 A |
| | COP | 6.1~16.5 | 5,9 |
| **HEATING** Measurement conditions Air temperature 15°C* Water temperature 29°C | heating power | 11~57 kW / 37,53~194,49 kBtu/h | 62 kW / 211,5 kBtu/h |
| | input power | 1,47~12,45 kW | 0,97 kW |
| | operating current | 2.26 - 19.11 A | 4,21 A |
| | COP | 4.6~7.5 | 4,3 |
| **COOLING** Measurement conditions Air temperature 35°C* Water temperature 30°C | cooling capacity | 28 kW / 95,53 kBtu/h | 37,25 kW / 127,09 kBtu/h |
| | consumed power | 11,2 kW | 17,75 kW / 60,56 kBtu/h |
| | operating current | 17.19 A | 3 x 35,32 A |
| | EER | 2,5 | 2,10 |
| | min. water temperature | +9 °C | +9 °C |
| | voltage / frequency range | 380-415V / 3N~ / 50Hz | 380-415V / 3N~ / 50Hz |
| | compressor brand | LANDA/GREE | LANDA/GREE |
| | compressor | rotating | |
| | number of fans | 1 | 2 |
| | cable cross section | 3 x 4 mm² | 3 x 10 mm² |
| | noise pressure level[2] | 58-63 dB(A) | 59-64 dB(A) |
| | protection class | IPX4 | IPX4 |
| | refrigerant charge | 3,9 kg | 9 kg |
| | alternative placement display | possible with additional external display | |
| | net dimensions B x T x H | 1195 x 980 x 1900 mm | 2260 x 1150 x 2130 mm |
| | shipping dimensions B x T x H | 1320 x 1055 x 2100 mm | 2270 x 1300 x 2251 mm |
| | net weight | 300 kg | 603 kg |
| | delivery weight | 351 kg | 690 kg |
| | Code | 2686 | 2687 |

2) measured sound pressure level at 1 m * at 60-70% humidity * at 59,2% humidity

***This heat pump already meets the technical requirements for operation with renewable energies (photovoltaic, solar, etc.).**



#2686

#2687

# HEAT PUMP MIDA.QUICK

**discontinued model**
only while stocks last!

EXCLUSIVE MIDAS

R410A
OZONE FRIENDLY

#2706
#2707

**6-year warranty**
on Gree compressor
on Mitsubishi compressor
on Sanyo compressor

## FEATURES

- available in size 26 kW
- COP value from 5,0
- operating range from -5°C to +35°C
- pool volume up to approx. 135 m³
- housing made of galvanized steel
- color: RAL 7016 anthracite gray

- operating modes: heating, cooling, automatic
- automatic defrosting device
- with titanium heat exchanger, excellently suited for salt water and chlorine
- with LED display
- **including** winter cover
- **including** flow switch
- max. water temperature (operation) up to +40°C
- refrigerant R410 A
- manometer
- electrical protection: slow-blow fuse (C-breaker), RCD 30 mA < 0.1s

Accessories – see page 137

*Since the sizing of the heat pump depends on several factors, the current heating demand should always be determined in advance. We offer a calculation aid for this purpose, which we will be happy to provide upon request. Simply scan the QR code!

# VERSIONS MIDA.QUICK

| | Version | MIDA.Quick 26 |
|---|---|---|
| | air outlet | horizontal |
| | pool Volume* | max. approx. 135 m³ |
| | water flow (recommended) | 7,9 m³/h |
| | connection | 50 mm side |
| measurement conditions air temperature 24°C* water temperature 26°C | heating power | 25,0 kW/ 85,0 kBtu/h |
| | input power | 5,0 kW |
| | operating current | 3 x 8,3 A |
| | COP | 5,0 |
| measurement conditions air temperature 15°C* water temperature 26°C | heating power | 18,4 kW/ 62,78 kBtu/h |
| | input power | 4,1 kW |
| | operating current | 7,9 A |
| | COP | 4,5 |
| | water temperature | +8 °C to +40°C |
| | air temperature | -5°C to +35°C |
| | fuse | 3 x 16 A |
| | voltage / frequency range | 400 V/3 pH/50 Hz |
| | compressor brand | Sanyo |
| | compressor | rotating |
| | number of fans | 2 |
| | cable cross section | 5 x 2,5 mm² |
| | noise pressure level[1] | 42 dB(A) |
| | noise pressure level[2] | 58 dB(A) |
| | protection class | IPX4 |
| | GWP-value | 2088 |
| | refrigerant charge | 2,7 kg |
| | alternative placement display | possible |
| | net dimensions B x T x H | 1120 x 470 x 1240 mm |
| | shipping dimensions B x T x H | 1200 x 490 x 1280 mm |
| | net weight | 130 kg |
| | delivery weight | 140 kg |
| | Article Number | 2707 |

1) measured sound pressure level at 10 m  2) measured sound pressure level at 1 m  * at 60–70% humidity

**This heat pump can be made PV-ready by using an additional external display.**

# WIFI-ADAPTER FOR HEAT PUMPS

## WIFI-ADAPTER
FOR MOBILE MONITORING AND CONTROL OF HEAT PUMPS

PRICE REDUCTION

Location-independent control of the heat pumps with your smartphone, tablet PC, or PC with internet access. Control your heat pump with the various MIDAS apps, stay informed about important parameters such as current water temperature, operating status, or other indicators, and save energy. The apps are available free of charge in the Google Play Store (Android) or the Apple App Store (iOS).

### Aqua Temp
for communication with your heat pump

Laden im App Store

JETZT BEI Google Play

bald verfügbar
inklusive KI-Unterstützung
NIKIGPT

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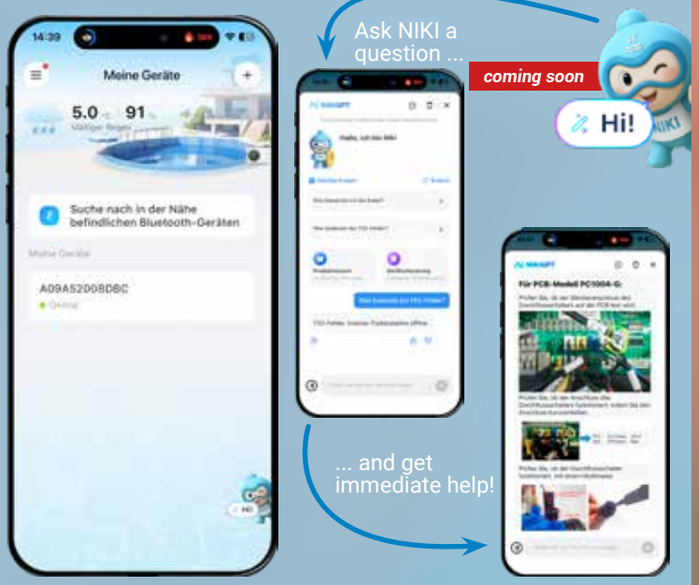


#2603
#2609

| Article | Article Number |
|---|---|
| WIFI-Adapter for inverter heat pumps | 2603 |
| WIFI-Adapter for ON/OFF heat pumps | 2609 |

Also suitable for retrofitting.

# HEAT PUMP ACCESSORIES

## CONNECTION MODULE FOR LINK-TOUCH

PRICE REDUCTION

Required as an accessory for temperature control of the heat pump via Link-Touch (see page 236). The connection is made between the circuit board and the display via the heat pump's connector. Compatible with MIDA.Perla, MIDA.Diva, MIDA.Cosma, MIDA.Maxx, MIDA.Force, MIDA.Boost & MIDA.Joy. Note: **Cannot** be connected simultaneously with the Wi-Fi module.

#3601

| Article | Article Number |
|---|---|
| connection plug | 3601 |



## BYPASS-SET FOR HEAT PUMPS

EXCLUSIVE MIDAS

**Scope of delivery includes the following individual components:**

3 x PVC-U ball valve, d 50 mm
2 x PVC-U T-piece, d 50 mm
6 x PVC-U pipe, d 50 mm, 15 cm each
1 x Griffon PVC adhesive WDF-05, 125 ml
1 x Griffon cleaner, 125 ml can
2 x hose clamp, galvanized steel, 32–50 mm
2 x hose tail, 50 mm socket (glue) x 38 mm spigot

The individual parts are delivered loose (**not** glued; the complete set is conveniently packed in one box).

#2600

| Article | Article Number |
|---|---|
| bypass-Set for heat pumps – 50 mm | 2600 |

## PRO CLEAN
HEAT PUMP CLEANER

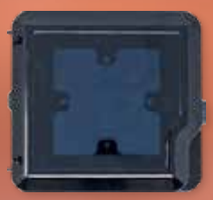
Gentle, acid-free cleaner for most surfaces with strong cleaning power. No rinsing required. Effectively removes dirt and deposits, including mechanical grease, insects, dust particles, and weather-related soiling.

#8047

| Article | PU | Article Number |
|---|---|---|
| 1 liter spray bottle | 6 | 8047 |

## HEAT PUMP ACCESSORIES

#4052-E30



#3000-E33

#2670-E41

#2670-E40

| Article | Article Number |
|---|---|
| MIDA.Cosma<br>5" black/white screen display with UV protection cover | 4052-E30 |
| MIDA.Diva, MIDA.Force, MIDA.Joy & MIDA.Quick<br>empty housing for external display attachment | 3000-E33 |
| MIDA.Quick 10 m extension cable display/Wi-Fi module | 3000-E32 |
| MIDA.Perla, MIDA.Diva, MIDA.Cosma, MIDA.Force & MIDA.Joy<br>10 m extension cable display/Wi-Fi module | 2670-E40 |
| MIDA.Perla, MIDA.Maxx & MIDA.Boost<br>empty housing for external display attachment | 2670-E41 |

#3000-E32

## WINTER COVERS FOR HEAT PUMPS

| Winter cover for | Dimensions (W x D x H) | Article Number |
|---|---|---|
| MIDA.Perla 13 | 1100 x 450 x 750 mm | 2644 |
| MIDA.Perla 19 | 1190 x 470 x 850 mm | 2625 |
| MIDA.Perla 24 | 1190 x 470 x 850 mm | 2625 |
| MIDA.Perla 32 | 1190 x 470 x 850 mm | 2625 |
| MIDA.Cosma 13 | 1030 x 440 x 605 mm | 2645 |
| MIDA.Cosma 20 | 1180 x 510 x 850 mm | 2646 |
| MIDA.Cosma 28 | 1180 x 510 x 850 mm | 2646 |
| MIDA.Cosma 35 | 1180 x 510 x 850 mm | 2646 |
| MIDA.Diva 11 | 680 x 630 x 910 mm | 2647 |
| MIDA.Diva 17 | 680 x 630 x 910 mm | 2647 |
| MIDA.Diva 25 | 740 x 720 x 1075 mm | 2648 |
| MIDA.Diva 35 | 800 x 780 x 1240 mm | 2649 |

# WINTER COVERS FOR HEAT PUMPS

## winter covers for discontinued models

| Winter cover for | Dimensions (W x D x H) | Material | Article Number |
|---|---|---|---|
| MIDA.Maxx 14 | 729 x 783 x 767 mm | PET 80 gr/m²>1 mm | 2633 |
| MIDA.Maxx 17 | 729 x 783 x 767 mm | PET 80 gr/m²>1 mm | 2633 |
| MIDA.Maxx 21 | 787 x 827 x 887 mm | PET 80 gr/m²>1 mm | 2634 |
| MIDA.Maxx 25 | 787 x 827 x 887 mm | PET 80 gr/m²>1 mm | 2634 |
| MIDA.Boost 18 | 1190 x 470 x 850 mm | PET 80 gr/m²>1 mm | 2625 |
| MIDA.Boost 24 | 1190 x 495 x 1275 mm | PET 80 gr/m²>1 mm | 2626 |
| MIDA.Boost 29 | 1190 x 495 x 1275 mm | PET 80 gr/m²>1 mm | 2626 |
| MIDA.Force 7 | 1040 x 380 x 585 mm | PET 80 gr/m²>1 mm | 2631 |
| MIDA.Force 12 | 1040 x 380 x 585 mm | PET 80 gr/m²>1 mm | 2631 |
| MIDA.Joy 7 | 1040 x 380 x 585 mm | PET 80 gr/m²>1 mm | 2631 |
| MIDA.Joy 12 | 1040 x 380 x 585 mm | PET 80 gr/m²>1 mm | 2631 |
| MIDA.Quick 4 | 800 x 300 x 580 mm | PET 80 gr/m²>1 mm | 2627 |
| MIDA.Quick 7 | 800 x 300 x 580 mm | PET 80 gr/m²>1 mm | 2627 |
| MIDA.Quick 10 | 1000 x 400 x 630 mm | PET 80 gr/m²>1 mm | 2628 |
| MIDA.Quick 13 | 1000 x 400 x 630 mm | PET 80 gr/m²>1 mm | 2628 |
| MIDA.Quick 17 | 1140 x 455 x 840 mm | PET 80 gr/m²>1 mm | 2629 |
| MIDA.Quick 21 | 1200 x 500 x 1300 mm | PET 80 gr/m²>1 mm | 2630 |
| MIDA.Quick 26 | 1200 x 500 x 1300 mm | PET 80 gr/m²>1 mm | 2630 |

# HEAT EXCHANGER

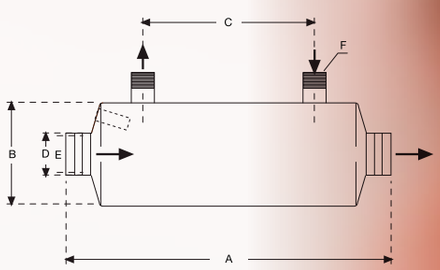
## HEAT EXCHANGE SOLID TITANIUM *

Water heat exchanger made of solid titanium, ideally suited for heating bathing water with high disinfection requirements, such as brine pools, salt electrolysis systems, or seawater. 90/60°C.

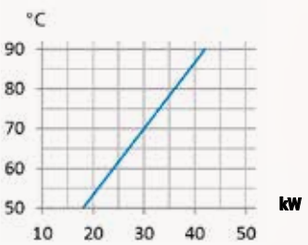
- Operating pressure: heating side: max. 10 bar, pool water side: max. 3 bar
- heating via boiler, solar collectors, or other hot water sources
- installation orientation: horizontal and vertical

**The following water values must not be exceeded, otherwise corrosion may occur.**

| | | |
|---|---|---|
| **Titanium:** | chloride content: | max. 3000 mg/l |
| | pH: | max. 6,8 - 7,8 |
| | Salz: | max. 3,5 % |

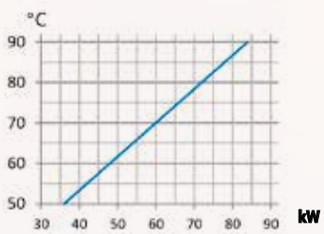



| Version | A (mm) | B (Ø) | C (mm) | D (mm) | E (inch) | F (inch) |
|---|---|---|---|---|---|---|
| 42 kW | 385 | 125 | 205 | NW/50 | 1 ½" | ¾" |
| 84 kW | 680 | 125 | 495 | NW/50 | 1 ½" | 1" |
| 126 kW | 780 | 160 | 590 | NW/60 | 2" | 1" |
| 154 kW | 1050 | 160 | 820 | NW/60 | 2" | 1" |



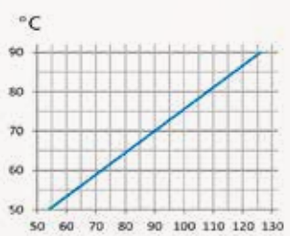

**42 kW**

90° = 42 kW
80° = 36 kW
70° = 30 kW
60° = 24 kW
50° = 18 kW



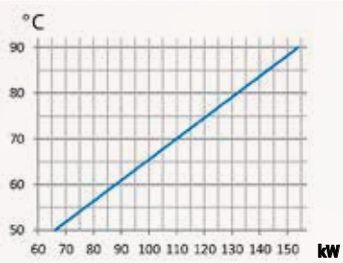

**84 kW**

90° = 84 kW
80° = 72 kW
70° = 60 kW
60° = 48 kW
50° = 36 kW




**126 kW**

90° = 126 kW
80° = 108 kW
70° = 90 kW
60° = 72 kW
50° = 54 kW




**154 kW**

90° = 154 kW
80° = 132 kW
70° = 110 kW
60° = 88 kW
50° = 66 kW

| Heat output | Article Number |
|---|---|
| rubber hose assembly kit NW 50 mm for Ø 125 mm | 9HWT-H4 |
| rubber hose assembly kit NW 60 mm for Ø 160 mm | 9HWT-H3 |
| pair of plastic brackets for Ø 125 mm | 9HWT-H |
| pair of plastic brackets for Ø 160 mm | 9HWT-H2 |
| 72.240 kcal/h = 84 kW | 9TWT-65 |
| 108.360 kcal/h = 126 kW | 9TWT-105 |
| 132.440 kcal/h = 154 kW | 9TWT-115 |

#9HWT-H4
#9HWT-H3

#9HWT-H
#9HWT-H2



* supplied **without** mounting bracket

# HEAT EXCHANGER STAINLESS STEEL*

Made of acid-resistant stainless steel V4A / AISI 316, pickled and electro polished.
Outer shell with welded-in coil and immersion nozzle for electronic temperature measurement. 90/60°C.

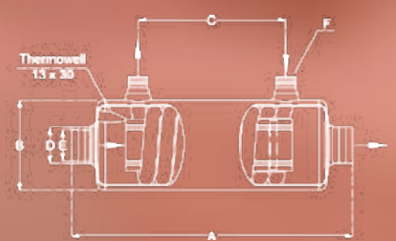
- operating pressure: Heating side max. 10 bar, pool water side max. 3 bar
- heating via boiler, solar collectors, or other hot water sources
- installation orientation: horizontal or vertical

**The following water values must not be exceeded, otherwise corrosion may occur.**

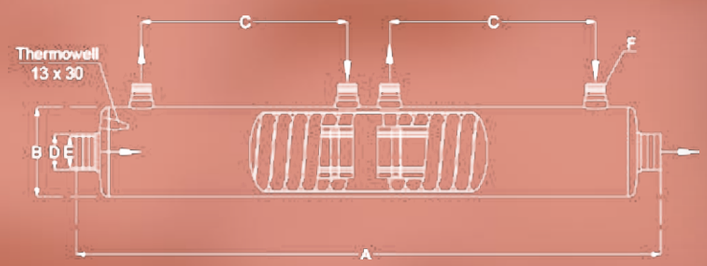
**Stainless steel V4A/AISI 316:**

| | |
|---|---|
| Chloride content: | max. 500 mg/l |
| Free chlorine: | max. 1 mg/l |
| pH: | max. 6,8 - 7,8 |

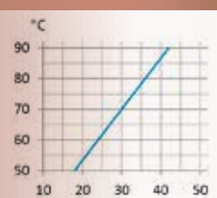
## 42 kW/84 kW/133 kW




## 175 kW/259 kW

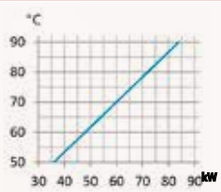



| Version | A (mm) | B (Ø) | C (mm) | D (mm) | E (inch) | F (inch) |
|---|---|---|---|---|---|---|
| 42 kW | 385 | 125 | 205 | NW/50 | 1 ½" internal thread | ¾" |
| 84 kW | 680 | 125 | 495 | NW/50 | 1 ½" internal thread | 1" |
| 133 kW | 780 | 160 | 590 | NW/63 | 2" internal thread | 1" |
| 175 kW | 1050 | 160 | 370 | NW/63 | 2" internal thread | 1" |
| 259 kW | 1370 | 160 | 530 | NW/63 | 2" internal thread | 1" |



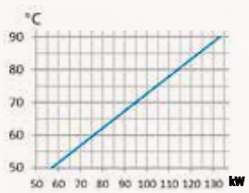

**42 kW**

90° = 42 kW
80° = 36 kW
70° = 30 kW
60° = 24 kW
50° = 18 kW



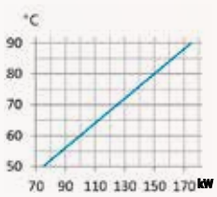

**84 kW**

90° = 84 kW
80° = 73 kW
70° = 60 kW
60° = 48 kW
50° = 36 kW



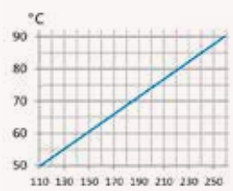

**133 kW**

90° = 133 kW
80° = 114 kW
70° = 95 kW
60° = 76 kW
50° = 57 kW




**175 kW**

90° = 175 kW
80° = 150 kW
70° = 125 kW
60° = 100 kW
50° = 75 kW




**259 kW**

90° = 259 kW
80° = 222 kW
70° = 185 kW
60° = 148 kW
50° = 111 kW

| Heat output | Article Number |
|---|---|
| rubber hose assembly kit NW 50 mm for Ø 125 mm | 9HWT-H4 |
| rubber hose assembly kit NW 60 mm for Ø 160 mm | 9HWT-H3 |
| pair of plastic brackets for Ø 125 mm | 9HWT-H |
| pair of plastic brackets for Ø 160 mm | 9HWT-H2 |
| 36.120 kcal/h = 42 kW36.120 kcal /h | 9HWT-40 |
| 72.240 kcal/h = 84 kW | 9HWT-75 |
| 114.380 kcal/h = 133 kW | 9HWT-105 |
| 150.500 kcal/h = 175 kW | 9HWT-140 |
| 222.740 kcal/h = 259 kW | 9HWT-209 |

#9HWT-H4
#9HWT-H3

#9HWT-H
#9HWT-H2

* supplied **without** mounting bracket

# HEAT EXCHANGER

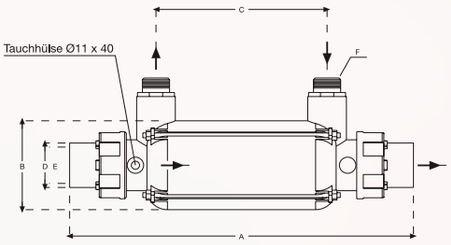
## PLASTIC/STAINLESS STEEL **OR** PLASTIC/TITANIUM*

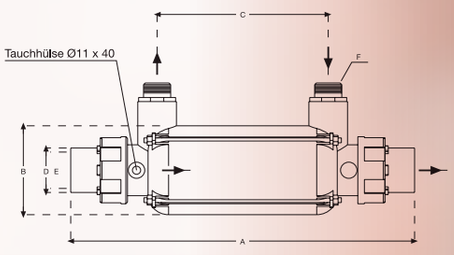
Plastic water heat exchanger with corrugated stainless steel **or** titanium tubing.
Suitable for heating swimming pools, hot tubs, and other systems.

- operating pressure: heating side max. 6 bar, pool water side max. 2.5 bar
- temperature: max. 90 °C
- housing material: polyamide 6.6 plastic, 30% glass fiber reinforced; bonding socket: ABS; o-rings: Silicone
- heating method: pool water heated via boiler, solar system, heat pump, or low-temperature heating systems
- installation orientation: horizontal or vertical

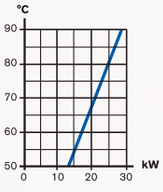
**28 kW/46 kW**

**85 kW/ 108 kW**



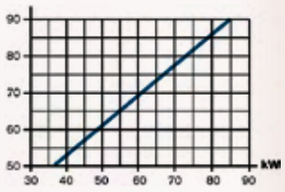




| Versions | A (mm) | B (mm) | C (mm) | D | E (mm) | F (inch) |
|---|---|---|---|---|---|---|
| 28 kW/95,5 kBtu/h | 345 | 110 | 135 | 63 | 50 | ¾” |
| 46 kW/157,0 kBtu/h | 415 | 110 | 205 | 63 | 50 | ¾” |
| 85 kW/290,0 kBtu/h | 705 | 110 | 495 | 63 | 50 | 1” |
| 108 kW/368,5 kBtu/h | 1015 | 110 | 805 | 63 | 50 | 1” |



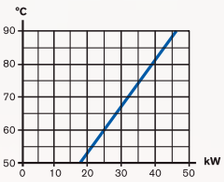

**28 kW**

90° = 28 kW
80° = 24,5 kW
70° = 21 kW
60° = 17,5 kW
50° = 14 kW



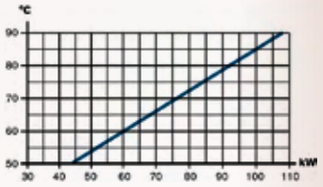

**85 kW**

90° = 85 kW
80° = 73 kW
70° = 61 kW
60° = 49 kW
50° = 37 kW




**46 kW**

90° = 46 kW
80° = 39 kW
70° = 32 kW
60° = 25 kW
50° = 18 kW




**108 kW**

90° = 108 kW
80° = 92 kW
70° = 76 kW
60° = 60 kW
50° = 44 kW

### PLASTIC/STAINLESS STEEL MODEL

| Heat output | Article Number |
|---|---|
| 28.000 kcal/h = 28 kW | 9KWT-VA28 |
| 46.000 kcal/h = 46 kW | 9KWT-VA46 |
| 85.000 kcal/h = 85 kW | 9KWT-VA85 |
| 108.000 kcal/h = 108 kW | 9KWT-VA108 |
| | |
| Pair of plastic holders | 9HWT-H |

### PLASTIC/TITANIUM MODEL

| Heat output | Article Number |
|---|---|
| 28.000 kcal/h = 28 kW | 9KWT-TI28 |
| 46.000 kcal/h = 46 kW | 9KWT-TI46 |
| 85.000 kcal/h = 85 kW | 9KWT-TI85 |
| 108.000 kcal/h = 108 kW | 9KWT-TI108 |
| | |
| Pair of plastic holders | 9HWT-H |



* supplied **without** mounting bracket

# HEAT EXCHANGER HI-FLOW

Suitable for pools up to 300 m³. 1½" female thread on the secondary side, 1" male thread on the primary side
- installation orientation: horizontal

## HI-FLOW MODEL STAINLESS STEEL (V4A / AISI 316)

**INCLUDING**
BRACKETS

### FEATURES:

- max. pressure secondary circuit (pool water) 8 bar
- primary circuit (hot water) 30 bar
- acid-resistant stainless steel V4A/AISI 316L
- heating medium coil
- sensor slot
- adjustable brackets made of acid-resistant stainless steel
- four performance levels: 13, 28, 40 and 75 kW
- connection to boiler, heat pump, solar system, or other existing heat sources

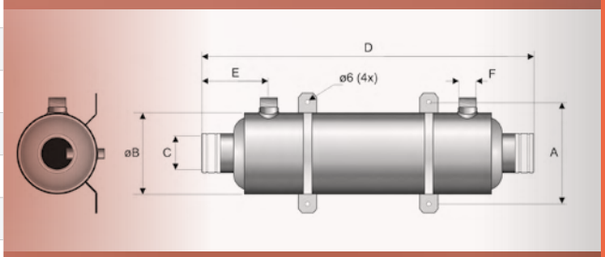
## HI-FLOW MODEL TITANIUM

**INCLUDING**
BRACKETS

### FEATURES:

- max. pressure secondary circuit (pool water) 5 bar
- primary circuit (hot water) 10 bar
- titanium
- heating medium coil
- sensor slot
- adjustable brackets made of acid-resistant stainless steel
- three performance levels: 28, 40 and 75 kW
- connection to boiler, heat pump, solar system, or other existing heat sources

| Dimensions | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| HI-Flow 13 stainless steel | 139 mm | 129 mm | 1 ½“ | 235 mm | 72 mm | ¾“ |
| HI-Flow 28 stainless steel | 139 mm | 129 mm | 1 ½“ | 407 mm | 75 mm | ¾“ |
| HI-Flow 40 stainless steel | 139 mm | 129 mm | 1 ½“ | 455 mm | 85 mm | 1“ |
| HI-Flow 75 stainless steel | 139 mm | 129 mm | 2“ | 702 mm | 85 mm | 1“ |
| HI-Flow 28 titanium | 139 mm | 113 mm | 1 ½“ | 470 mm | 95 mm | 1“ |
| HI-Flow 40 titanium | 139 mm | 127 mm | 1 ½“ | 510 mm | 108 mm | 1“ |
| HI-Flow 75 titanium | 139 mm | 127 mm | 1 ½“ | 754 mm | 108 mm | 1“ |




| Article | Power kW | Primary side, hot water l/min | Pressure drop m head | Secondary side, cold water l/min | Pressure drop m head | Article Number |
|---|---|---|---|---|---|---|
| HI-Flow HF 13 stainless steel | 13 | 25 | 0,90 | 200 | 0,60 | 958 |
| HI-Flow HF 28 stainless steel | 28 | 25 | 1,70 | 300 | 1,60 | 959 |
| HI-Flow HF 40 stainless steel | 40 | 60 | 1,30 | 300 | 1,60 | 960 |
| HI-Flow HF 75 stainless steel | 75 | 60 | 2,60 | 300 | 1,10 | 961 |
| HI-Flow T 28 titanium | 28 | 20 | 1,00 | 300 | 1,10 | 11332 |
| HI-Flow T 40 titanium | 40 | 40 | 2,30 | 350 | 1,70 | 11333 |
| HI-Flow T 75 titanium | 75 | 45 | 5,20 | 350 | 1,70 | 11334 |

# BRACKET FOR HEAT EXCHANGER

Set consisting of 2 × (a) + 2 × (b), for heat exchanger type/model HI-FLOW

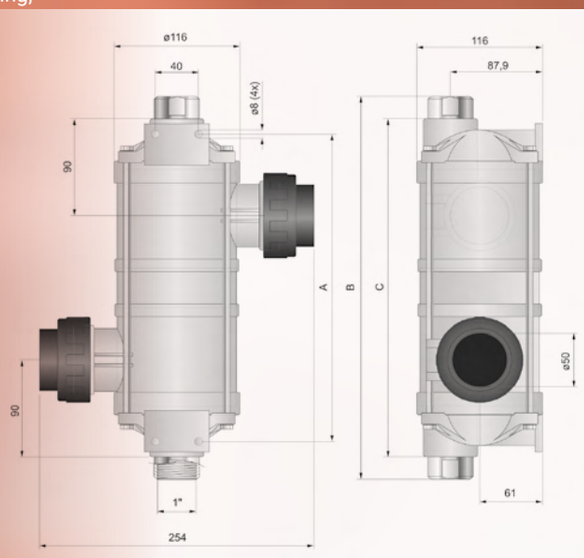
| Article | Article Number |
|---|---|
| bracket for heat exchanger | 940-H |

# HEAT EXCHANGER HI-TEMP

Housing made of glass fiber reinforced plastic, heating element made of acid-resistant stainless steel V4A / AISI 316 or titanium, solvent socket for Ø 50 mm piping, **including** bracket.
model in stainless steel: color blue
model in titanium: color beige

- max. temperature: +100 °C
- operating pressure: Flow line max. 5 bar
- return line: max. 4 bar
- for swimming pools up to 300 m³
- installation orientation: horizontal or vertical

| Dimensions | A | B | C |
|---|---|---|---|
| Hi-Temp 40 stainless steel | 359 mm | 317 mm | 277 mm |
| Hi-Temp 75 stainless steel | 534 mm | 492 mm | 452 mm |
| Hi-Temp 40 titanium | 417 mm | 375 mm | 335 mm |
| Hi-Temp 75 titanium | 667 mm | 625 mm | 585 mm |




## HI-TEMP STAINLESS STEEL MODEL (V4A / AISI 316)

**INCLUDING**
BRACKETS

### FEATURES:

- outer casing made of thermoplastic material
- hot water coil made of acid-resistant stainless steel
- integrated wall mounting
- slip connections for bonding Ø 50 mm pipes
- connection to boiler, heat pump, solar system, or another heat source

## HI-TEMP MODEL TITANIUM

**INCLUDING**
BRACKETS

### FEATURES:

- outer casing made of thermoplastic material
- hot water coil made of titanium
- integrated wall mounting
- slip connections for bonding Ø 50 mm pipes
- connection to boiler, heat pump, solar system, or another heat source

| Article | Capacity kW | Capacity kBtu/h | Primary side, hot water l/min | Primary side, hot water Pressure drop m head | Secondary side, cold water l/min | Secondary side, cold water Pressure drop m head | Article Number |
|---|---|---|---|---|---|---|---|
| Hi-Temp 40 Stainless steel | 40 | 135 | 34 | 1,9 | 300 | 1,3 | 962 |
| Hi-Temp 75 Stainless steel | 75 | 260 | 43 | 6 | 300 | 1,7 | 963 |
| Hi-Temp 40 titanium | 40 | 135 | 52 | 1,5 | 300 | 1,1 | 962-T |
| Hi-Temp 75 titanium | 75 | 260 | 58 | 2,5 | 300 | 1,2 | 963-T |

## ELECTRIC HEATERS 230V AND 400V
WITH DIGITAL DISPLAY

Compliant with electrical safety standards
**EN 60335-1:2001+A1+A2** and **EN 60335-2-35:2002+A1**.
Housing made of fiberglass-reinforced thermoplastic.
The desired pool temperature can be conveniently set and the current temperature read via the LED display.
Equipped with overheat protection, heating element made of Incoloy 825, flow switch, and solvent socket for Ø 50 mm PVC piping.
minimum flow rate: 90 l/min, maximum pressure: 2 bar.
suitable for swimming pools up to 100 m³.

**INCLUDING**
BRACKETS

- housing made of fiberglass-reinforced polyamide
- capacity: 3–15 kW
- delivered with supports and electronics
- digital control and display
- heating elements made of Incoloy 825
- equipped with overheat limit protection and flow switch
- dual built-in safety protection
- protection rating: IP44

**titanium version available on request**

| Length | Heat output | Ampere 230 V | Ampere 400 V | Article Number |
|---|---|---|---|---|
| 425 mm | 3 kW | – | 5 | 910 |
| 425 mm | 3 kW | 13 | – | 915 |
| 425 mm | 6 kW | 26 | – | 916 |
| 425 mm | 6 kW | – | 9 | 911 |
| 607 mm | 9 kW | – | 13 | 912 |
| 607 mm | 12 kW | – | 18 | 913 |
| 607 mm | 15 kW | – | 22 | 914 |

## ELECTRIC HEATER 230V AND 400V
COMPACT MODEL

Housing made of acid-resistant stainless steel V4A / AISI 316.
Heating elements made of Incoloy 825. Pressure switch as low-water protection, 230/400 V. Overheat thermostat and control thermostat 0–45 °C.
Triple safety system: pressure switch, overheat thermostat, control thermostat (0–45 °C). 1½" female thread. Minimum flow rate: 85 l/min.
Maximum pressure: 4 bar. Suitable for swimming pools up to 100 m³.

**INCLUDING**
BRACKETS

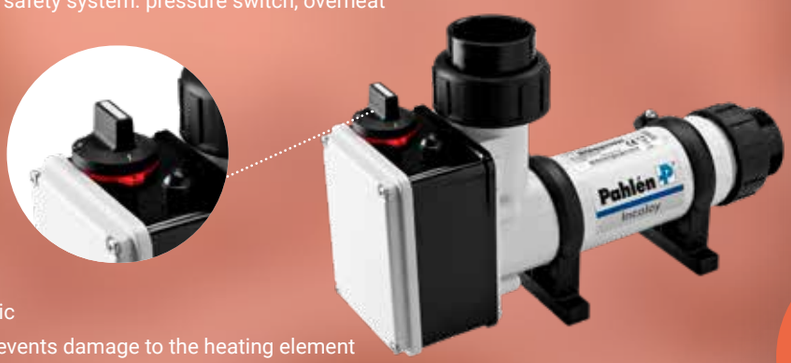
**FEATURES:**

- housing made of stainless steel V4A / AISI 316
- capacity: 3–18 kW
- electric heater made of fiberglass-reinforced thermoplastic
- horizontal installation to eliminate air pockets and prevent damage to the heating element
- heating elements made of Incoloy 825
- equipped with overheat protection and flow switch
- delivered with sturdy mounting brackets
- sealing fittings for Ø 50 mm pipes

| Length | Heat output | Ampere 230 V | Ampere 400 V | Article Number |
|---|---|---|---|---|
| 452,5 mm | 3 kW | 13 | 5 | 930-DS |
| 452,5 mm | 6 kW | 26 | 9 | 931-DS |
| 552,5 mm | 9 kW | - | 14 | 932-DS |
| 552,5 mm | 12 kW | - | 18 | 933-DS |
| 552,5 mm | 15 kW | - | 22 | 934-DS |
| 552,5 mm | 18 kW | - | 27 | 935-DS |

# ELECTRIC HEATER 230V AND 400V
## PLASTIC & INCOLOY

Electric heater made of thermoplastic for increased strength. Heating elements made of Incoloy 825. Overheat thermostat and control thermostat 0–45 °C, triple safety system: pressure switch, overheat thermostat, control thermostat 0–45 °C.
1½" female thread.
minimum flow rate: 90 l/min
maximum pressure: 2.5 bar
suitable for swimming pools up to 100 m³




**FEATURES:**

- housing made of plastic
- capacity: 3–18 kW
- electric heater made of fiberglass-reinforced thermoplastic
- horizontal installation eliminates air accumulation and prevents damage to the heating element
- heating elements made of Incoloy 825
- equipped with overheating protection and flow switch
- delivered with sturdy brackets – for easy and flexible installation
- sealing unions for Ø 50 mm pipes – for easy installation

| Length | Heat output | Ampere 230 V | Ampere 400 V | Article Number |
|---|---|---|---|---|
| 358 mm | 3 kW | 13 | 5 | 901 |
| 358 mm | 6 kW | 26 | 9 | 902 |
| 540 mm | 9 kW | - | 14 | 903 |
| 540 mm | 12 kW | - | 18 | 904 |
| 540 mm | 15 kW | - | 22 | 905 |
| 540 mm | 18 kW | - | 27 | 906 |

# 05

# POOL CLEANING

*COMFORT & EFFICIENCY – COMPLETELY WITHOUT CABLES*

*Discover the future of pool maintenance with cordless cleaning devices that offer you maximum flexibility and first-class results thanks to a variety of cleaning programs. Completely without annoying cables, this technology ensures thorough cleaning – for consistently crystal-clear water in the shortest possible time.*

*Rounded off by first-class manual care products and solutions for winterization, your pool remains in pristine condition all year round.*

*Transform your pool into a magnet for cleanliness – efficient, suitable for daily use and always flawless.*



## OVERVIEW


**ROBOTIC POOL CLEANER**

P. 150 W-Warrior Cleaner 30/60
P. 152 Maytronics Dolphin M700
P. 153 Maytronics Dolphin M550

**CLEANING ACCESSORIES**

P. 154 Telescopic Poles
P. 155 Spiral Hoses
NEW P. 156 Cleaning Sets
P. 158 Thermometer
P. 159 Pool Vacuums
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P. 161 Deep Leaf Skimmer, Surface Leaf Skimmer
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**POOL TESTER**

P. 165 Photometer
P. 166 Electronic Pool Testers
P. 166 Flexitester
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# ROBOTIC POOL CLEANER

## FAIRLAND POOL ROBOT W-WARRIOR-CLEANER
FULLY AUTOMATIC BATTERY-POWERED POOL ROBOT

PRICE REDUCTION

Thanks to its revolutionary AI wireless technology and smart algorithm, the W-Warrior cleans with exceptional efficiency – for a pool experience like no other.

## W-WARRIOR-CLEANER 30/60

**high-precision sensors and intelligent control meet innovative design.**

Automatic shutdown when water depth is less than 40 cm.

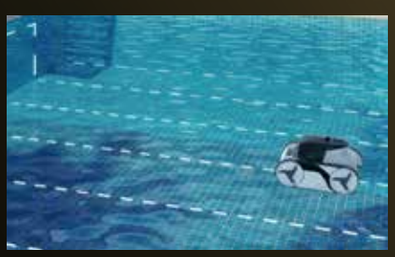
**3 motors**

Accurate regulation by the central control system within a range of 20% to 100%

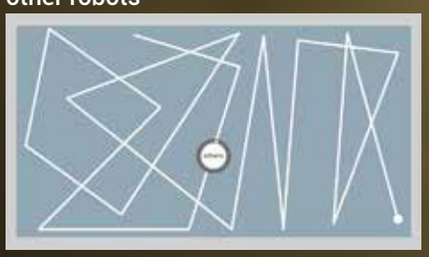
App Store Google Play

## 3DS-PATH

W-WARRIOR-CLEANER 30/60



other robots



## Self-developed algorithm

The algorithm signals the gyroscope to rotate 90°, followed by another 90°, enabling it to follow a complete '3D-S' path in all directions. This ensures thorough and precise cleaning.

## Proactive Obstacle Detection

Infrared sensors detect walls and obstacles in advance. They measure the distance and automatically reduce the robot's speed to prevent collisions. This not only improves navigation but also helps extend the system's operational lifespan.

## Automatic correction and obstacle clearance

If the robot gets stuck, the infrared sensors analyze the surroundings, calculate possible solutions, and free the robot on their own.

## 2 sensors for waterline detection

The sensors measure the distance to the water surface.
When a water surface is detected, the sensors transmit this information to the control system, causing the robot to stop climbing the wall and start brushing the waterline.

| Technical Specifications | W-Warrior 30 | W-Warrior 60 |
|---|---|---|
| max. pool size | 12 x 10 m | 12 x 10 m |
| cleaning speed | 12 m/min. | 12 m/min. |
| cleaning time | 0,5h / 1h / 2h | 0,5h / 1h / 2h |
| timer | every 24 h, 48 h, 72 h | every 24 h, 48 h, 72 h |
| floor runtime | 3 hours | 6 hours |
| floor/wall/waterline runtime | 2 hours | 3,5 hours |
| suction power | 15-20 m³/h | 15-20 m³/h |
| charging time | 3 hours | 6 hours |
| dimensions ( L x W x H) | 495 x 395 x 265 mm | 495 x 395 x 265 mm |
| weight (net / gross) | 11,5 kg / 16,5 kg | 12 kg / 17 kg |
| capacity of the dirt container | 3,2 Liter | 3,2 Liter |
| power supply | 25,2V / 1,2A | 25,2V / 1,2A |

### Deep Cleaning

In addition to standard floor cleaning, it actively climbs walls and scrubs the waterline.

### Smart App Control

Multi-function Setting

### Spatial Awareness

Accurate real-time tracking of position and direction thanks to a precision gyroscope and six integrated sensors.

### Magnetic Filtration Basket

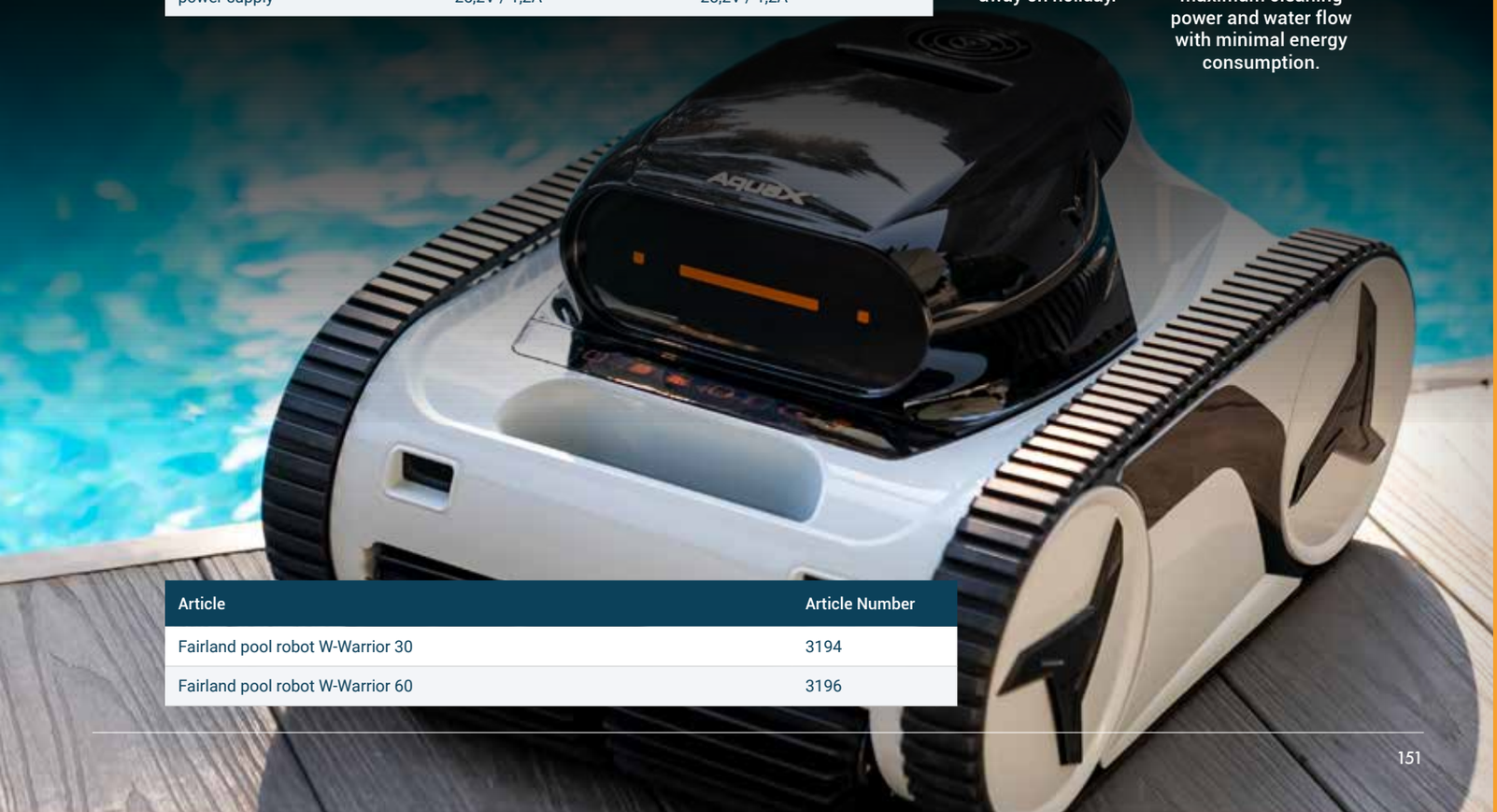
Convenient top access for effortless removal.

### Timer Setting

Once the timer is set, the device restarts automatically. Enjoy continuous pool cleaning for up to two weeks while you're away on holiday.

### adjustable suction and driving power

The intelligent control system optimizes performance and efficiency by automatically adjusting speed to ensure maximum cleaning power and water flow with minimal energy consumption.

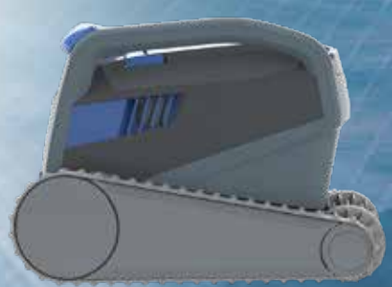


| Article | Article Number |
|---|---|
| Fairland pool robot W-Warrior 30 | 3194 |
| Fairland pool robot W-Warrior 60 | 3196 |

# MAYTRONICS DOLPHIN M700 POOL ROBOT
## FULLY AUTOMATIC POOL ROBOT

The Maytronics Dolphin M700 robotic pool cleaner is an advanced solution for effortless and efficient pool maintenance. Designed for those who value convenient operation and outstanding cleaning performance, this pool robot turns pool care into a truly enjoyable experience.

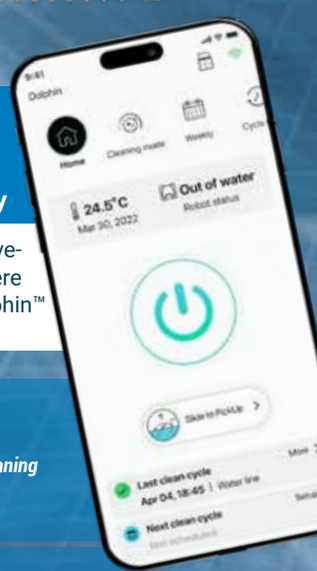
Includes remote control & caddy



| Technical Specifications | |
|---|---|
| max. pool length | 15 m |
| suction power | 17 m³/h |
| dimensions ( L x W x H) | 31.83 x 44,21 x 40,23 cm |
| weight | 11,04 kg |
| power supply | 100-250 AC Volt, 50/60 Hz; 180 W |
| cable length | 18 m |
| working cycles | 1 Std. / 1,5 h / 2 h / 2,5 h |

### MyDolphin Plus App simple operation with WiFi® connectivity

The Dolphin M700 can be conveniently controlled from anywhere and at any time via the MyDolphin™ Plus app.




### *Time Savings*

***Fully automates pool cleaning, so you can sit back and relax.***

### *User-Friendly Operation*

***App control gives you full access and control – anytime, anywhere.***

### *High Efficiency*

***Cutting-edge technology delivers top cleaning performance with minimal effort.***

**FILTER STATUS INDICATOR**
indicates the current filter capacity

**TEMPERATURE SENSOR**
for determining the pool's water temperature

**ENERGY EFFICIENCY**
for noticeable cost savings

**POWERSTREAM SYSTEM**
the dual-drive system allows the robot to reach every corner

**CONNECTIVITY**
always stay in control of your robot

**SCHEDULE**
set your preferred cleaning schedule and intensity

**MULTI-FILTER SYSTEM**
multi-layer filtration system with fine and ultra-fine filters

**PICK-UP MODE**
rises to the surface for easy retrieval

| Article | Article Number |
|---|---|
| Maytronics Dolphin M700 pool robot | 158-18 |

Suitable for pool lengths up to 15 m.

# MAYTRONICS DOLPHIN M550 POOL ROBOT

FULLY AUTOMATIC POOL ROBOT

The Dolphin M550 is a powerful pool cleaning robot. It delivers outstanding results with thorough cleaning of the floor, walls, and waterline. Control is especially convenient using the MyDolphin™ app.

**Includes** remote control & caddy

| Technical Specifications | |
|---|---|
| max. pool length | 15 m |
| suction power | 20 m³/h |
| dimensions ( L x W x H) | 31.83 x 44,21 x 40,23 cm |
| weight | 10,24 kg |
| power supply | 100-240 AC Volt, 50/60 Hz; 180 W |
| cable length | 18 m |
| working cycles | 1 h (floor only) / 2 h (standard) |

## MyDolphin Plus App simple operation with WiFi® connectivity

The Dolphin M700 can be conveniently controlled from anywhere and at any time via the MyDolphin™ Plus app.

### *Time Savings*

***Fully automates pool cleaning, so you can sit back and relax.***

### *User-Friendly Operation*

***App control gives you full access and control – anytime, anywhere.***

### *High Efficiency*

***Cutting-edge technology delivers top cleaning performance with minimal effort.***

**MANUAL OPERATION**
take control and navigate the robot manually in the pool

**CABLE**
cable with anti-tangle protection

**PICK-UP MODE**
rises to the surface for easy retrieval

**CONNECTIVITY**
stay connected to your robot at all times

**WEEKLY SCHEDULER**
weekly scheduler for automatic cleaning intervals

**FILTER BASKET**
filter basket with top access for easy and convenient cleaning

| Article | Article Number |
|---|---|
| Maytronics Dolphin M550 pool robot | 158-16 |

Suitable for pool lengths up to 15 m.

# TELESCOPIC POLES

## TELESCOPIC POLE
2-PIECE VERSION

EXCLUSIVE MIDAS

anodized aluminum double tube with eccentric clamp, 2 sleeves, wall thickness 0.8 mm, color: silver/beige

| Article | Length in m | PU | Article Number |
|---|---|---|---|
| telescopic pole | 1,80 - 3,60 | 20 | 210-TM |
| telescopic pole | 2,40 - 4,80 | 10 | 220-TM |

## TELESCOPIC POLE
3-PIECE VERSION

EXCLUSIVE MIDAS

anodized aluminum double-tube with eccentric clamp, 2 sleeves, wall thickness: 0.8 mm, color: silver/beige

| Article | Length in m | PU | Article Number |
|---|---|---|---|
| telescopic pole | 1,20 - 3,60 | 20 | 3120-TS |
| telescopic pole | 1,50 - 4,50 | 20 | 3150-TS |

# SPIRAL HOSES

## LDPE-HOSE

Made of polyethylene, this hose is long-term resistant to saltwater, chlorine, and UV radiation. The integrated molded cuffs allow for easy, individual segmentation. Supplied as a 50 m roll with molded cuffs every 0.5 m. Flexible and durable. Color: black; application: suitable for pool vacuums, vacuum brushes, and solar pool absorbers.

| Article | Ø | PU | Article Number |
|---|---|---|---|
| LDPE hose | 38 mm | 8 rolls per pallet | 170 |

Available separately.

## SWIMMING POOL HOSE

Made of polyethylene, this hose offers high stability and flexibility and is extremely easy to lay. Thanks to the integrated molded cuffs, it can be easily divided without tools. It is crush-resistant and highly resistant to chemicals.
#169M – 100 m roll with molded cuffs every 1.5 m (flexible) / #168 – 100 m roll with molded cuffs every 1.1 m (flexible) Designed for use with pool vacuums and vacuum heads. Color: blue.

| Article | Ø | PU | Article Number |
|---|---|---|---|
| swimming pool hose | 38 mm | 6 rolls per pallet | 169M |
| swimming pool hose | 32 mm | 5 rolls per pallet | 168 |

Available separately.

## SWIMMING POOL HOSE
INCLUDING NOZZLES

EXCLUSIVE MIDAS

PRICE REDUCTION

Flexible pool hose made of polyethylene, with white cuffs on both ends. Supplied individually in a box. Color: blue.

| Article | Ø | Length | Article Number |
|---|---|---|---|
| swimming pool hose | 38 mm | 7,5 m | 8576 |
| swimming pool hose | 38 mm | 9 m | 8577 |
| swimming pool hose | 38 mm | 12 m | 8575 |
| swimming pool hose | 38 mm | 15 m | 8578 |
| swimming pool hose | 38 mm | 30 m | 8579 |

## PVC SLEEVE FOR SWIMMING POOL HOSE

material: ABS plastic
color: blue

| Article | Article Number |
|---|---|
| single socket for swimming pool hose, Ø 38 mm | 6524 |

#6524

## ACCESSORIES

EXCLUSIVE MIDAS

PRICE REDUCTION

| Article | Size | Article Number |
|---|---|---|
| hose connection | Ø 38 mm | 02300 |
| hose extension | Ø 32-38 mm | 02301 |
| hose connection | Ø 32-38 mm<br>1 ½“ female thread | 6571 |

#6571

#02300

#02301

# CLEANING SETS

## MIDA.CLEAN KIT
CLEANING SET 1 "BASIC"

**NEW**

contents:

- swimming pool hose 38 mm (#8575)
  material: polyethylene; swimming pool hose with white cuffs at both ends; flexible; color: blue
- MIDA.Vac pool vacuum (#112-N)
  material: ABS plastic, width: 29 cm; 8 brushes; with bottom brushes; without side brushes; connection 32/38 mm; swivel adapter; color: blue/white
- MIDA.Grade thermometer (#069-A)
  material: ABS plastic; length: 17 cm; with scoop; with fastening cord; temperature in Celsius and Fahrenheit; color: blue
- MIDA.Brush pool brush, curved (#145-A)
  material: ABS plastic; width: 45 cm; color: blue with white bristles
- MIDA.Vario floor net (#141VK)
  material: ABS plastic frame/aluminum handle; with blue durable mesh; width: 45 cm, length: 20 cm; color: blue
- MIDA.Vario leaf net (#143VK)
  material: ABS plastic frame/aluminum handle; with blue, deep and durable mesh; width: 35.5 cm; length: 32.5 cm; color: blue
- cleaning sponge (#108)
  material: ABS plastic; ideal for removing algae and other soft residues; color: blue
- MIDA.Mini dosing float (#048-M)
  dosing float with adjustment ring, carries up to 1 kg of tablets; material: ABS plastic; diameter: 13 cm; opening: 6 cm; color: blue/white
- MIDA.Set pH & chlorine tester (#055)
  manual testing device with 2 measuring chambers and 20 rapid-dissolving tablets each for pH value and chlorine content, in a practical case; measuring range pH: 6.8 – 8.2; measuring range chlorine: 0.2 – 2.0 mg/l

### MIDA.CLEAN KIT

| Article | Article Number |
|---|---|
| MIDA.CleanKit cleaning set | 117 |

# MIDA.CLEAN PRO
## CLEANING SET 2 "PREMIUM"

**NEW**

contents:

- swimming pool hose 38 mm (#8575)
  material: polyethylene; swimming pool hose with white cuffs at both ends; flexible; color: blue
- MIDA.Clean pool vacuum (#113-N)
  material: ABS plastic; width: 29 cm; 8 brushes; with 2 bottom and 2 side brush rows; heavy-duty version; connection 32/38 mm; swivel adapter; color: blue/white
- MIDA.Therm thermometer (#062-N)
  material: ABS plastic; for depth measurement (30 cm); with floating ring; Celsius & Fahrenheit scale; hi-tech welding; with fastening cord; color: blue
- MIDA.Brush pool brush, curved (#145-ALU)
  material: aluminum or aluminum reinforcement; full aluminum frame; width: 45 cm; color: aluminum/blue with white bristles
- MIDA.Rake floor net (#141-ALU)
  material: ABS plastic; with unbreakable aluminum frame and aluminum handle; with white durable mesh; width: 44 cm, length: 20 cm; color: silver/blue
- MIDA.Leaf leaf net (#143)
  material: unbreakable aluminum frame and aluminum handle/ABS plastic; with white durable mesh; width: 31 cm; length: 35 cm; color: silver/blue
- cleaning sponge (#108)
  material: ABS plastic; ideal for removing algae and other soft residues; color: blue
- MIDA.Float dosing float (#045-N)
  dosing float with adjustment ring; large version; with transparent lid; carries up to 1 kg of tablets; material: ABS plastic; diameter: 17 cm; opening: 9.5 cm; color: blue/white
- corner brush (#146)
  material: ABS plastic; with adjustable vacuum ring; connection for 38 mm hose; color: blue/white
- MIDA.Set pH & chlorine tester (#055)
  manual testing device with 2 measuring chambers and 20 rapid-dissolving tablets each for pH value and chlorine content, in a practical case; measuring range pH: 6.8 – 8.2; measuring range chlorine: 0.2 – 2.0 mg/l

## MIDA.CLEAN PRO

#8575

#113-N

#062-N

#145-ALU

#141-ALU

#143

#108

#045-N

#146

#055



| Article | Article Number |
|---|---|
| MIDA.CleanPro cleaning set | 118 |

# THERMOMETER

now also available individually

## MIDA.THERM THERMOMETER

EXCLUSIVE MIDAS

PRICE REDUCTION

material: ABS plastic, for depth measurement (30 cm)
with floating ring, Celsius & Fahrenheit scale
hi-tech welding, with fastening cord
individual packaging: in a box
color: blue
PU: 20 pieces, also available individually
optional: custom logo possible from 1,000 pieces

| Article | Article Number |
|---|---|
| MIDA.Therm | 062-N |

#062-N

## MIDA.LOOK THERMOMETER

EXCLUSIVE MIDAS

material: ABS plastic, heavy-duty model temperature scale
in Celsius and Fahrenheit, with floating head, length: 18.5 cm
with fastening cord, individual packaging: in a box
color: blue
PU: 28 pieces, also available individually

| Article | Article Number |
|---|---|
| MIDA.Look | 068 |

#068

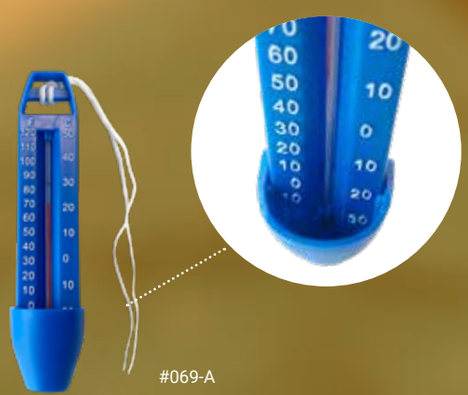
## MIDA.GRADE THERMOMETER

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: ABS plastic, length: 17 cm, with scoop,
with fastening cord, temperature in Celsius and Fahrenheit,
individual packaging: in foil,
color: blue
PU: 20 pieces, also available individually

| Article | Article Number |
|---|---|
| MIDA.Grade | 069-A |



#069-A

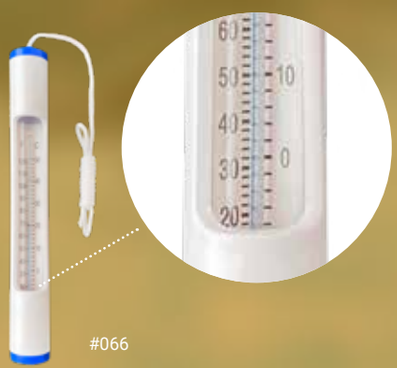
## ECONOMY THERMOMETER

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: ABS plastic, length: 17 cm,
temperature scale in Celsius and Fahrenheit, with fastening cord,
individual packaging: in foil,
color: white/blue,
PU: 20 pieces, also available individually

| Article | Article Number |
|---|---|
| economy thermometer | 066 |



#066

# POOL VACUUMS

now also available individually

## VENTURI VACUUM CLEANER

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: ABS plastic, with three-piece aluminum telescopic pole L=135 cm, small simple vacuum with hose connection,
color: blue
PU: 12 pieces, also available individually

| Article | Article Number |
|---|---|
| Venturi vacuum cleaner | 109 |

#109

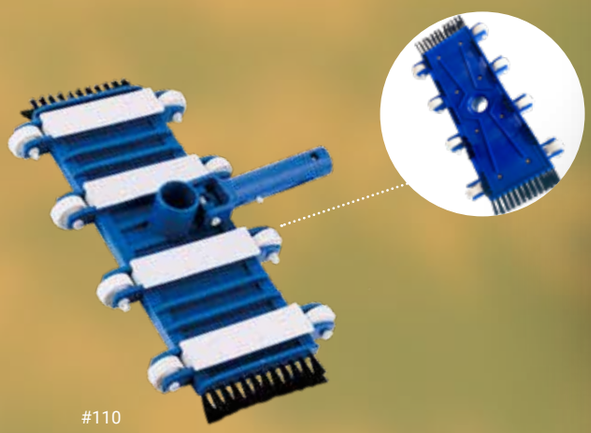
## MIDA.SWEEP GROUND CLEANER

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: ABS plastic, flexible with 8 wheels, width: 33 cm, with 2 bottom and 2 side brush rows, connection 38 mm
individual packaging: in foil,
color: blue/white
PU: 12 pieces, also available individually

| Article | Article Number |
|---|---|
| MIDA.Sweep | 110 |



#110

## MIDA.CLEAN VACUUM CLEANER

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: ABS plastic, width: 29 cm, 8 brushes,
with 2 bottom and 2 side brush rows,
heavy-duty version, connection 32/38 mm, swivel adapter,
individual packaging: in foil,
color: blue/white
PU: 12 pieces, also available individually

| Article | Article Number |
|---|---|
| MIDA.Clean | 113-N |

#113-N

## MIDA.VAC VACUUM CLEANER

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: ABS plastic, width: 29 cm, 8 brushes, with bottom brushes, without side brushes, connection 32/38 mm, swivel adapter
individual packaging: in foil,
color: blue/white
PU: 12 pieces, also available individually

| Article | Article Number |
|---|---|
| MIDA.Vac | 112-N |

#112-N

# POOL BRUSHES

now also available individually

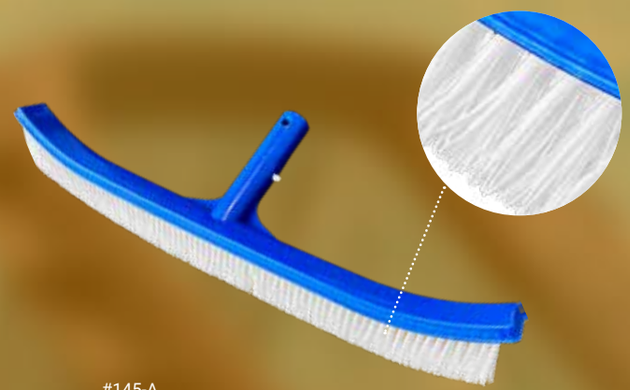
## MIDA.BRUSH BASKET BRUSH CURVED

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: ABS plastic, width: 45 cm,
individual packaging: in foil,
color: blue with white bristles
PU: 24 pieces, also available individually

| Article | Article Number |
|---|---|
| MIDA.Brush | 145-A |



#145-A

## MIDA.BRUSH BASKET BRUSH CURVED ALUMINUM

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: aluminum or aluminum reinforcement,
full aluminum frame, width: 45 cm,
individual packaging: in foil,
color: aluminum/blue with white bristles
PU: 24 pieces, also available individually

| Article | Article Number |
|---|---|
| MIDA.Brush aluminum | 145-ALU |

#145-ALU

## MIDA.ALGAE ALGAE BRUSH

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: ABS plastic, width: 26 cm,
with stainless steel bristles,
individual packaging: in foil,
color: blue
PU: 24 pieces, also available individually

| Article | Article Number |
|---|---|
| MIDA.Algae | 146-C |

#146-C

## CORNER BRUSH

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: ABS plastic, with adjustable vacuum ring
and connection for hose 38 mm,
individual packaging: in foil,
color: blue/white
PU: 24 pieces, also available individually

| Article | Article Number |
|---|---|
| corner brush | 146 |

#146

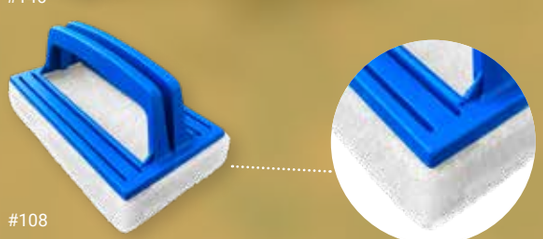
## CLEANING SPONGE

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: ABS plastic, ideal for removing algae and
other soft residues, individual packaging: in foil,
color: blue
PU: 60 pieces, also available individually

| Article | Article Number |
|---|---|
| cleaning sponge | 108 |



#108

# DEEP LEAF SKIMMER, SURFACE LEAF SKIMMER

now also available individually

## MIDA.CATCH DEEP LEAF SKIMMER

EXCLUSIVE MIDAS

Material: ABS plastic, with white durable mesh,
width: 40 cm, length: 27 cm,
hard shell packaging,
color: blue
PU: 15 pieces, also available individually

#142

| Article | Article Number |
|---|---|
| MIDA.Catch | 142 |



## MIDA.RAKE DEEP LEAF SKIMMER

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: ABS plastic, with unbreakable aluminum frame and aluminum handle,
with white durable mesh,
width: 44 cm, length: 20 cm
individual packaging: in foil (#141), hard shell packaging (#141-ALU),
color: silver/blue
PU: 24 pieces (#141) / 14 pieces (#141-ALU), also available individually

#141-ALU

| Article | Article Number |
|---|---|
| MIDA.Rake | 141 |
| MIDA.Rake | 141-ALU |

## MIDA.VARIO DEEP LEAF SKIMMER

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: ABS plastic frame/aluminum handle,
with blue durable mesh,
width: 45 cm, length: 20 cm,
individual packaging: in foil,
color: blue
PU: 12 pieces, also available individually

#141VK

| Article | Article Number |
|---|---|
| MIDA.Vario deep leaf skimmer | 141VK |

## MIDA.LEAF DEEP LEAF SKIMMER

now also available individually

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: unbreakable aluminum frame and aluminum handle/ABS plastic,
with white durable mesh,
width: 31 cm, length: 35 cm,
individual packaging: in foil,
color: silver/blue
PU: 24 pieces, also available individually

#143

| Article | Article Number |
|---|---|
| MIDA.Leaf | 143 |

## MIDA.SKIM LEAF LANDING SKIMMER

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: ABS plastic, with white durable mesh
width: 43 cm, length: 27 cm,
individual packaging: in foil,
color: blue
PU: 20 pieces, also available individually

#140

| Article | Article Number |
|---|---|
| MIDA.Skim | 140 |

## MIDA.VARIO LEAF LANDING SKIMMER

EXCLUSIVE MIDAS

PRICE REDUCTION

Material: ABS plastic frame/aluminum handle,
with blue, deep and durable mesh,
width: 35.5 cm, length: 32.5 cm,
individual packaging: in foil,
color: blue
PU: 12 pieces, also available individually

#143VK

| Article | Article Number |
|---|---|
| MIDA.Vario leaf landing skimmer | 143VK |

# FLOATING DISPENSER

now also available individually

## MIDA.FLOAT DOSING FLOAT

EXCLUSIVE MIDAS

PRICE REDUCTION

dosing float with adjustment ring, large version, with transparent lid, carries up to 1 kg of tablets
Material: ABS plastic,
diameter: 17 cm, opening: 9.5 cm,
individual packaging: in foil,
color: blue/white
PU: 6 pieces, also available individually

| Article | Article Number |
|---|---|
| MIDA.Float | 045-N |

#045-N

## MIDA.ORA DOSING FLOAT

EXCLUSIVE MIDAS

PRICE REDUCTION

dosing float with adjustment ring, carries up to 1 kg of tablets
Material: ABS plastic,
diameter: 17 cm,
opening: 9.5 cm,
individual packaging: in foil,
color: blue/white
PU: 12 pieces, also available individually

| Article | Article Number |
|---|---|
| MIDA.Ora | 047-A |

#047-A

## MIDA.MINI DOSING FLOAT

EXCLUSIVE MIDAS

PRICE REDUCTION

dosing float with adjustment ring, carries up to 1 kg of tablets
Material: ABS plastic,
diameter: 13 cm,
opening: 6 cm,
individual packaging: in foil,
color: blue/white
PU: 24 pieces, also available individually

| Article | Article Number |
|---|---|
| MIDA.Mini | 048-M |

#048-M

# WINTERIZING

## ICE PRESSURE PAD

EXCLUSIVE MIDAS

Pools should generally not be emptied during the winter months.
However, ice formation on the water surface can unfortunately quickly lead to damage to the pool. Ice pressure cushions protect here.
Advantages: no more frost damage when winterizing the pool, easy handling, quick assembly and disassembly, suitable for every pool size and shape, no maintenance costs.
**Including** fastening hooks

**material**: polyethylene
**weight**: 1,4 kg per piece
**filling material**: quartz sand
**color**: black

| Dimensions | PU | Article Number |
|---|---|---|
| 40,5 x 21,5 x 20,5 cm | 4 | 160 |

## GIZZMO WINTERIZING PLUGS

EXCLUSIVE MIDAS

for frost protection of skimmers and the suction line.
**material**: polyethylene, weight: 0.11 kg per piece, color: black

| Dimensions | PU | Article Number |
|---|---|---|
| 37 x 8 x 8 cm, 1½ AG + 2“ AG | 36 | 167 |

## WINTERIZING PLUGS

EXCLUSIVE MIDAS

PRICE REDUCTION #162

Material: rubber (NBR), for inlet nozzles, for pressure testing the filter system (checking the tightness of the piping).
**Version stainless steel screw V2A/AISI 304,**
**weight:** 0,05 kg,
**color:** black/silver

| Dimensions | | Article Number |
|---|---|---|
| 1¼“ | Ø 34 – 40 mm | 161 |
| 1½“ | Ø 43 – 50 mm | 162 |
| 2“ | Ø 47 – 63 mm | 163 |

**Version plastic screw,**
weight: 0.09 kg, color: black/silver/white

| Dimensions | | Article Number |
|---|---|---|
| 1¼“ | Ø 34 – 40 mm | 164 |
| 1½“ | Ø 43 – 50 mm | 165 |
| 2“ | Ø 47 – 60 mm | 166 |

## WINTERFIT WINTERIZING AGENT

WinterFit, foam-free winterizing agent for the prevention of algae growth and hardness precipitation.

| Article | Article Number |
|---|---|
| Winterfit 1 l | 23140 |
| Winterfit 3 l | 23141 |

# POOL TESTER

## PHOTOMETER POOL LAB 2.0

Pool Lab 2.0 is the ideal solution for professional water analysis in pools and spas. Capable of measuring up to 3 parameters simultaneously and testing a total of 24 pool water parameters. Equipped with Bluetooth and Wi-Fi connectivity. Protection class: IP68

**24 POOL MEASUREMENT PARAMETERS:**

| | |
|---|---|
| **pH** | 6.50 - 8.40, |
| **Active Oxygen (MPS):** | 0.0 - 30.0 mg/l (ppm) *, |
| **Alkalinity** *(acid capacity)*: | 0 - 200 mg/l (ppm), |
| **Aluminum:** | 0.00 - 0.30 mg/l (ppm)* , |
| **Ammonium:** | 0.00 - 1.20 mg/l (ppm)*, |
| **Bromine:** | 0.0 - 18.0 mg/l (ppm) **, |
| **Chlorine** *(free/combined/total):* | 0.00 - 8.00 mg/l (ppm), |
| **Chlorine** *(High Range)*: | 5 - 200 mg/l (ppm)*, |
| **Chloramines:** | 0.00 - 8.00 mg/l (ppm)* , |
| **Chlorine Dioxide:** | 0.0 - 15.0 mg/l (ppm) **, |
| **Cyanuric Acid** *(Stabilizer)*: | 0 - 160 mg/l (ppm) , |
| **Iron LR:** | 0.00 - 1.00 mg/l (ppm) *, |
| **Total Hardness:** | 0 - 500 mg/l (ppm) *, |
| **Urea:** | 0.10 - 2.50 mg/l (ppm) *, |
| **Calcium Hardness:** | 0 - 500 mg/l (ppm) *, |
| **Potassium:** | 0.70 - 12.0 mg/l (ppm) **, |
| **Copper:** | 0.00 - 5.00 mg/l (ppm) *, |
| **Nitrate:** | 1 - 100 mg/l (ppm) * |
| **Ozone:** | 0.00 - 5.40 mg/l (ppm) **, |
| **PHMB** *(Biguanide)*: | 5 - 60 mg/l (ppm) *, |
| **Phosphate** *(Low Range)*: | 0.00 - 4.00 mg/l (ppm) * |
| **Phosphate** *(High Range)*: | 0 - 80 mg/l (ppm) *, |
| **Sulfate:** | 5 - 100 mg/l (ppm) *, |
| **Hydrogen Peroxide** *(Low Range)*: | 0.00 - 2.90 mg/l (ppm) *, |
| **Hydrogen Peroxide** *(High Range)*: | 0 - 200 mg/l (ppm) *, |
| **QUAT:** | 25 - 150 mg/l (ppm) * |
| **Zinc:** | 0.00 - 1.00 mg/l (ppm) * |

**Contents of the kit:**

1 x PoolLab 2.0 with Bluetooth and Wi-Fi
1 x storage pouch
1 x triple cuvette
1 x light protection cap
3 x plastic stirring rods
1 x 10 ml syringe
3 x AA batteries
User manual
Free LabCOM app, software, and cloud service

**Reagents:**

20 Phenol Red tablets
20 DPD No. 1 tablets
10 DPD No. 3 tablets
10 Alkalinity tablets
10 CYA test tablets (cyanuric acid)

#062-E1

#060-E1

#060-E2

#060-E3

#060-E4

#060-E5

#060-E6

#060-E13

| Article | Article Number |
|---|---|
| Pool LAB® 2.0 Photometer | 062 |
| storage case for Pool LAB 2.0 | 062-E1 |

| Reagents | Article Number |
|---|---|
| complete set, consisting of: 20 x DPD No. 1, 10 x DPD No. 3, 20 x phenol red (pH), 10 x alkalinity, 10 x cyanuric acid | 060-E1 |
| DPD No. 1 (free chlorine or bromine), 50 Pieces | 060-E2 |
| DPD No. 3 (total chlorine), 50 Pieces | 060-E3 |
| Phenol red (pH), 50 Pieces | 060-E4 |
| Alkalinity, 50 Pieces | 060-E5 |
| Cyanuric acid, 50 Pieces | 060-E6 |
| DPD No. 4 (active oxygen), 50 Pieces | 060-E13 |

Additional reagents available upon request.

* Requires tablets that are not included in the basic kit.
** Requires glycine tablets (not included) if chlorine is present in the sample water.

## ELECTRONIC POOL TESTERS

These practical pool testers do not require any additional reagents to professionally and accurately measure various water parameters. Results are displayed digitally within seconds after immersing the tester in the sample water. The device is splash-proof with an IP54 protection rating. Calibration is recommended before each use.

#057 / #059

| Article | Measuring ranges | Resolution | Accuracy | Calibration | Aut. temp. compens. | Article Number |
|---|---|---|---|---|---|---|
| Pool tester pH | pH (0.0 - 14.0) | 0.1 pH | +/- 0.1 pH | 1 point, manual | - | 057 |
| Pool tester TDS (Total dissolved salts) | TDS (0 - 10000 mg/l) (0.00 - 10.00 ppt) | 0.01 ppt | +/- 2 % FS | 1 point, manual | automatically 0 - 50°C with ß=2 %/°C | 059 |

## FLEXITESTER

FlexiTesters are the entry point into semi-professional water analysis. Currently, the FlexiTester offers 43 different test methods. Only one device is needed for all tests. To expand the range of measurements, only the parameter sticks and reagents need to be purchased. An ergonomic design and high-quality reagents ensure easy and accurate testing.

| Article | Article Number |
|---|---|
| FlexiTester | 064 |
| replacement strips “Chlorine” | 064-1 |
| replacement strips “Cyanuric acid” | 064-2 |
| replacement strips “Calcium hardness” | 064-3 |
| replacement strip “Total hardness” | 064-4 |
| replacement strips “Active oxygen” | 064-5 |
| replacement strips “pH” | 064-6 |
| replacement strip “Alkalinity” | 064-7 |

The reagents of the Pool Lab 2.0 (see page 165) can be used with the FlexiTester, with the exception of #060-E2 and #060-E5.

## PUFFER SOLUTION

#059-E1

#1070-E3

#102030-E1

#102030-E2

#102030-E3

#102030-E4

| Article | Article Number |
|---|---|
| puffer solution pH 4, red, 50 ml | 1070-E3 |
| puffer solution pH 7, green, 50 ml | 102030-E1 |
| puffer solution pH 10, blue, 50 ml | 102030-E2 |
| puffer solution ORP 475 mV, clear, 50 ml | 102030-E3 |
| puffer solution neutral, clear 50 ml | 102030-E4 |
| puffer solution TDS 6.44 ppt, 20 ml | 059-E1 |

## MIDA.SET PH & CHLORINE TESTER

EXCLUSIVE MIDAS

Manual test device with 2 measurement chambers and 20 fast-dissolving tablets each for pH and chlorine levels, in a practical case.

- pH range: 6.8 – 8.2
- chlorine range: 0.2 – 2.0 mg/l

#055

#050

#055-7

#055-4

#055-1

#055-2

| Article | Article Number |
|---|---|
| MIDA.Set/pH & chlorine tester (25 Pieces) | 055 |
| MIDA.Set replacement pack 250 tablets for DPD 1 | 055-7 |
| MIDA.Set replacement pack 250 tablets Phenol RED (pH) | 055-4 |
| MIDA.Test pool tester pH/chlorine | 050 |
| replacement bottle of chlorine 15 ml for #050 | 050-1 |
| replacement bottle pH 15 ml for #050 | 050-2 |

## TEST STRIPS POOL TESTER

Thanks to their long shelf life, surplus stock can easily be used in the following season. Test strips provide a reliable indication of your water values. The TSL-600 test strip (capillary method) uses silver nitrate as a reagent, reacting directly with the salt to be measured—unlike TDS meters, which determine salt content empirically via conductivity.

**TSL-600**
Test strips for measuring salt (NaCl). Each can contains 20 test strips, with 5 strips per pack sealed in aluminum blisters. 20 test strips per sales unit.
Measurement range NaCl: 0 – 7000 mg/l

**TSL-100**
The 3-in-1 test strips measure pH, free chlorine, as well as bromine and alkalinity levels. Each can contains 50 test strips, with 10 strips per pack sealed in aluminum blisters. 50 test strips per sales unit..

**Measurement Ranges:**

| | |
|---|---|
| pH | 6,8 - 8,2 |
| Cl (f) | 0,0 - 5,0 |
| Br | 0,0 - 11,0 |
| Alk | 0 - 240 |

#TSL-600

#TSL100

| Article | Article Number |
|---|---|
| test strips for measuring salt (NaCl) | TSL-600 |
| 3-in-1 test strips pH, Cl, Br, Alk | TSL100 |

# 06

# PERIPOR BLOCKS & POOL LINERS

*NATURAL ELEGANCE MEETS THE PERFECT FOUNDATION*

*A perfect pool starts with a solid structure. Our Peripor blocks according to DIN EN 13163 offer thermal insulation, stability, and energy efficiency – the ideal basis for long-lasting pool construction.*

*Two high-quality liner options are available for the visible finish:*

- **Alkorplan 2000** – *elegant, modern, timeless, combines durability with classic aesthetics.*
- **Alkorplan Touch 3D** – *inspired by nature with vibrant colors and three-dimensional surfaces that bring depth and movement to the water. sand tones, crystal-clear blue, or granite looks transform your water into a luxurious experience.*

*Complemented by our pre-tailored inner liners in numerous designs, every pool can be individually designed – stylish, harmonious, and easy to maintain.*

*Peripor blocks, Alkorplan 2000, and Alkorplan Touch 3D – the perfect symbiosis of technology, comfort, and luxurious design.*



## OVERVIEW


**FORMWORK BLOCKS**

P. 170 Peripor Blocks PS30L, PS30XXL, PS40L and PS40XXL

**INNER LINERS**

NEW P. 171 Inner Liners & Overlap Liners

**POOL LINERS, SLIP PROTECTION & LIQUID POOL LINERS**

P. 173 Pool Liner Touch Collection
P. 174 Pool Liner Vogue Collection
P. 175 Pool Liner Alive Collection
P. 176 Pool Liner Relief Collection
NEW P. 177 Pool Liner Alkorplan 2000
P. 178 Pool Liner Supra
P. 179 Pool Liner Classic
P. 180 Fabric-reinforced non-slip track
P. 181 Pool Liner Keramik Collection
P. 182 Liquid Film

**ACCESSORIES**

P. 183 Butt Fusion Tape
P. 183 Foil Composite Sheet
P. 184 Separating and Protective Fleece
P. 185 Spray Gun
P. 185 Glue
P. 186 Tools for Welding

**PREFABRICATED POOLS**

NEW P. 187 Polypropylene Prefabricated Pools
P. 188 GRP Prefabricated Pools

# FORMWORK BLOCKS

## FORMWORK BLOCKS

PRICE REDUCTION
#PS30L
#PS30XXL
#PS40L
#PS40XXL
#PS-F

**FEATURES:**

- material: EPS, peripor
- manufactured according to EN ISO 9001:2008
- **includes** end stoppers:
  25 pieces for XXL blocks (height 50 cm)
  50 pieces for L blocks (height 25 cm)
- compressive strength according to EN 826:
  150 kPa at 10% compression
- thermal conductivity according to EN 12667:
  0.035 W/(m·K)
- divisible in 25 cm units

**First formwork block for pool construction compliant with DIN EN 13163 (approved for public installations)**

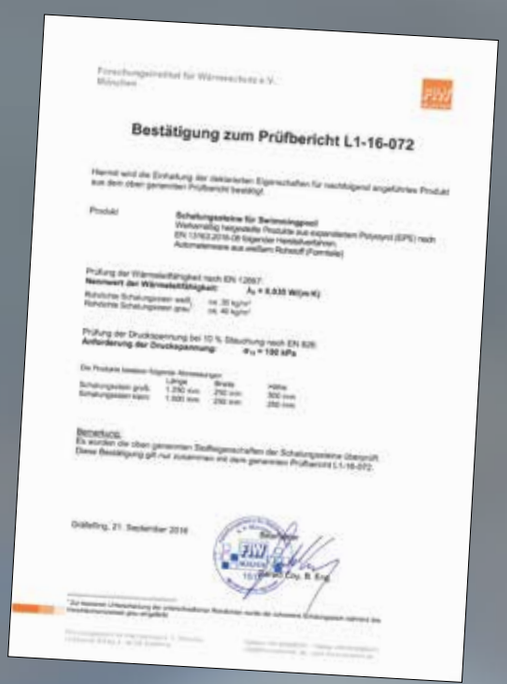
[1] For a 150 cm deep pool (with 4 corners), you will need 24 end stoppers when using XXL blocks (height 50 cm), and 48 end stoppers when using L blocks (height 25 cm) — 8 pieces per layer.
Additional corners, steps, or custom shapes require extra end stoppers (available at an additional cost).

***ADVANTAGES OVER STANDARD STYROFOAM:***

- moisture-resistant
- 100% recyclable – environmentally friendly disposal
- In most cases, no filling is required thanks to the tight joint pattern and the absence of cutting webs on the pool-facing side (every 25 cm)

#PS-E

top view



Bestätigung zum Prüfbericht L1-16-072

**WARNING!**
Please remove the protective film from the pool tiles and end caps immediately upon receipt of the merchandise, or store the merchandise away from direct sunlight. Otherwise, the film may react with the polystyrene and cause irreversible damage.

***BLOCKS WITH A DENSITY OF 60 G/L OR 80 G/L ARE AVAILABLE ON REQUEST.***

| Article | Dimensions L x W x H | Concrete filling quantity | Density | Color | PU | Article Number |
|---|---|---|---|---|---|---|
| peripor block PS30L | 100 x 25 x 25 cm | 30,20 l | 30 g/l | white | 40 | PS30L |
| peripor block PS30XXL | 125 x 25 x 50 cm | 66,15 l | 30 g/l | white | 16 | PS30XXL |
| peripor block PS40L | 100 x 25 x 25 cm | 30,20 l | 40 g/l | gray | 40 | PS40L |
| peripor block PS40XXL | 125 x 25 x 50 cm | 66,15 l | 40 g/l | gray | 16 | PS40XXL |
| end stopper PS30 | 14 x 8 x 4 cm | – | 30 g/l | white | 1 | PS-E |
| Aerosol Adhesive poly 500 ml | – | – | – | – | 12 | 8054 |

Also available individually.

Shipping costs apply separately and are not included in standard freight flat rates (available on request).

# INNER LINERS

## INNER LINERS & OVERLAP LINERS

**NEW**

**FEATURES:**

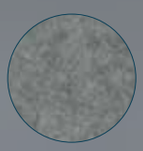
- UV-stabilized PVC liner
- liner thickness 0.80 mm or 0.95 mm (3D Granite Gray)
- suitable for water temperatures up to 30°C;
  3D Granite Gray up to 33°C
- custom manufacturing according to desired dimensions
- available with 90° corners or rounded corners (6 cm radius)
- for all pool shapes (rectangular/oval/eight-shaped pools)
- made in Germany

**+++**
**Custom manufacturing & flexible configuration possible!**
**+++**

**AVAILABLE IN THE COLORS:**

sand | turquoise | light blue | white

dark gray | light gray | Adriatic blue | sand metallic



3D granite gray

**SELECTION OF CORNERS:**

**CHOOSING THE PIPING:**

NOTES ON CALCULATION:

This is based on a square or rectangular floor, as well as the effective wall area for round pools or a rectangular wall area for all other pool shapes. The minimum calculation for the pool depth in Adriatic blue 0.8 mm is 1.20 m, 1.50 m or 1.80 m. For all other colors, the calculation height of the perimeter is always 1.50 m up to a pool depth of 1.52 m.
Above a depth of 1.52 m, the perimeters of many liners must be pieced together from 2 widths. Only Adriatic blue 0.80 mm can still be manufactured up to a height of 1.80 m without an additional weld seam.

FORMULAS FOR EIGHT-SHAPED/OVAL/RECTANGULAR POOLS:

Wall area: (2 x pool length + 2 x pool width) x pool height,
min. 1,20 m, 1,50 m or 1,80 m
Floor area: floor length x floor width
All inner liners are manufactured with minus tolerances:
liner thickness 0.6 mm: 1.00 %
liner thickness 0.8 mm: 0.75 %
rectangular pools are manufactured with a minus tolerance of L -3 cm/W -2 cm, regardless of the liner thickness.
If you require other negative tolerances, please specify this when ordering.

| Article | |
|---|---|
| Available on request! | Please specify the dimensions, color, corner type and bead type when ordering. |

# POOL LINERS

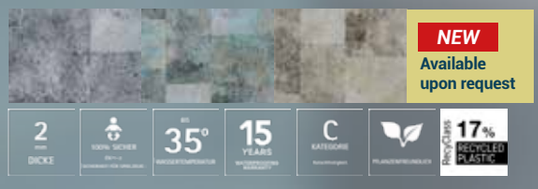
## POOL LINERS BY RENOLIT ALKORPLAN

RENOLIT ALKORPLAN – The premium pool liner for the highest demands

Transform your pool into a stylish and durable oasis of well-being with RENOLIT ALKORPLAN. This high-quality, reinforced pool liner impresses with extreme resistance, absolute watertightness, and a wide selection of colors and designs. Whether for new construction or renovation – with RENOLIT ALKORPLAN, you are choosing quality that inspires.

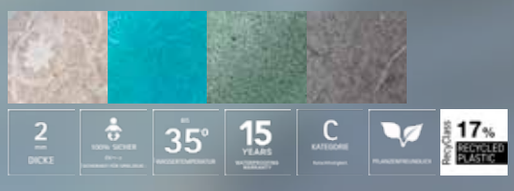
For a pool that not only looks beautiful but also lasts a long time!

**CERAMICS EVOLVE** Collection

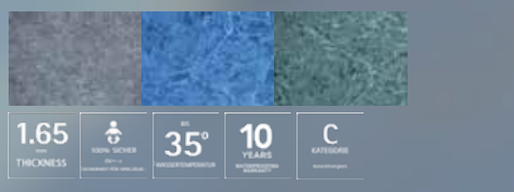



**TOUCH** Collection

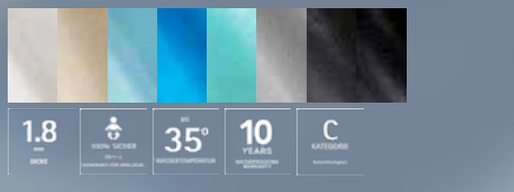
**VOGUE** Collection



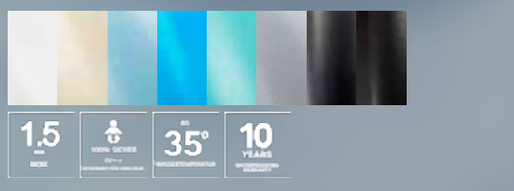

**ALIVE** Collection




**RELIEF** Collection




**ALKORPLAN 2000** Collection




The „Kolos Collection" for public pools with 40% recycled material is available on request.

RENOLIT ALKORPLAN

NEW

### RENOLIT ALKORPLAN ONE

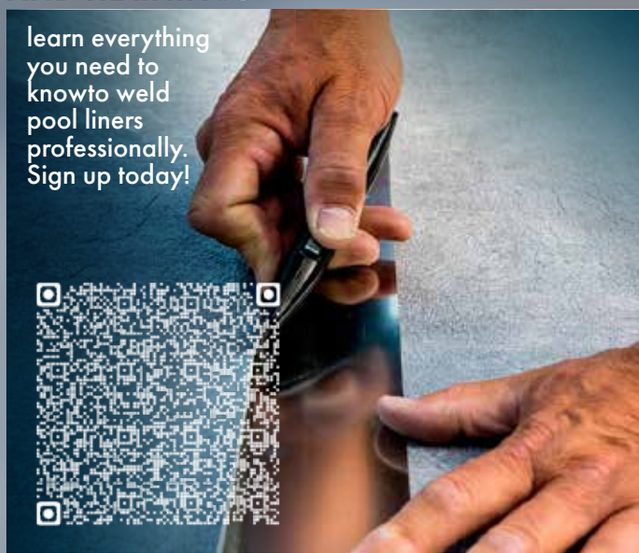
With the augmented reality app *RENOLIT ALKORPLAN ONE*, pool designs can be individually customized and coatings realistically visualized on site.

Laden im App Store
JETZT BEI Google Play

### ONLINE POOL CONFIGURATION

Design your dream pool individually and combine colors and designs entirely according to your taste.

### INSTALLATION COURSES AND TRAININGS



# POOL LINER TOUCH COLLECTION

TOUCH Collection
RENOLIT
RENOLIT ALKORPLAN Rely on it

2 THICKNESS | 100% SAFE | UP TO 35° WATER TEMPERATURE | 15 YEARS | C CLASS | PLANT FRIENDLY | 17% RECYCLED PLASTIC

Dive into the world of luxurious pool design –
with the RENOLIT ALKORPLAN TOUCH collection.

These premium pool liners combine design, durability, and safety at the highest level. With an impressive material thickness of 2 mm, they are among the most resistant reinforced liners on the market – while simultaneously offering a unique sensory experience. Additionally, installation is easier and conceals imperfections in the substrate.

Be inspired by the elegant 3D reliefs that perfectly imitate natural materials such as slate, granite, and sand. Every touch speaks of elegance and quality, while the authentic surface structures give your pool an incomparable feel.

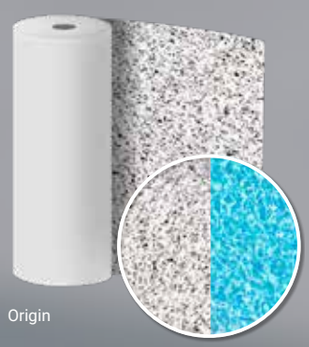
maximum water temperature: +35°C.
PU: 8 rolls per pallet

***DIMENSIONS***

*Roll Length: 25 m*

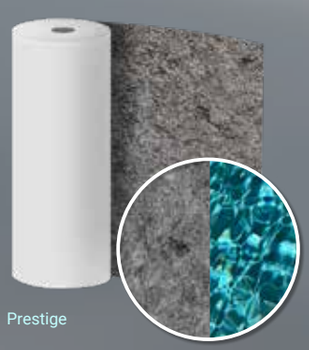
*Width: 1,65 m*

*Thickness: 2 mm*

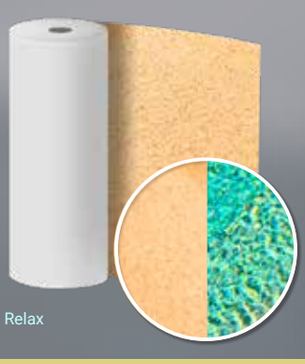

Origin

Vanity

Sublime


Prestige

Elegance


Relax

Authentic

For a reliable and long-lasting bond, we recommend **butt welding** for this pool liner.
This method ensures not only maximum precision, but also an exceptionally strong and waterproof seam that meets even the most demanding requirements.
The matching butt welding strip can be found on page 183 (#22.040).

**Color disclaimer:**
The displayed colors of the pool liners may vary depending on water depth and lighting conditions. The images are for illustrative purposes only and are intended to give an impression of how the liners may appear underwater.

Antibacterial Fleece by Renolit made of polypropylene ; color: blue; page 184
#20.510 width: 1,50 m / length: 50 m / weight: 400 g/m²
#20.511 width: 1,65 m / length: 50 m / weight: 400 g/m²
#20.512 width: 2,00 m / length: 50 m / weight: 400 g/m²

## ROLL LENGTH 25m x 1,65m (WIDTH)

*(one roll = 41,25 m²)*

| Color | Article Number |
|---|---|
| Origin* | 22.018 |
| Vanity* | 22.019 |
| Sublime* | 22.020 |
| Prestige* | 22.021 |
| Elegance* | 22.022 |
| Relax* | 22.023 |
| Authentic* | 22.024 |

*suitable liquid liner can be found on page 182.

## A perfect match for your pool

The high-quality pool liners can be perfectly combined. Add stylish accents by selectively highlighting individual elements – for a unique look that puts your pool in the spotlight!

Vanity & Prestige

## POOL LINER VOGUE COLLECTION

VOGUE Collection
RENOLIT ALKORPLAN Rely on it

2 mm THICKNESS | 100% SAFE | UP TO 35° WATER TEMPERATURE | 15 YEARS | C CLASS | 17% RECYCLED PLASTIC

**NEW**
#22.071
#22.070

RENOLIT ALKORPLAN VOGUE – Stylish. Exclusive. Trend-conscious.

Be inspired by the latest interior design trends!
RENOLIT ALKORPLAN VOGUE combines aesthetic elegance with exceptional functionality. The stylish patterns and modern shades give your pool an exclusive look – just like from a design magazine. Thanks to the reinforced, waterproof surface, you enjoy long-lasting quality and maximum comfort.

maximum water temperature +35°C.
PU: 8 rolls per pallet

***DIMENSIONS***

*Roll Length: 25 m*

*Width: 1,65 m*

*Thickness: 2 mm*

Vintage

Urban

NEW
Nordic

Summer

new embossing
Tropical

NEW
Legacy

**Color disclaimer:**
The displayed colors of the pool liners may vary depending on water depth and lighting conditions. The images are for illustrative purposes only and are intended to give an impression of how the liners may appear underwater.

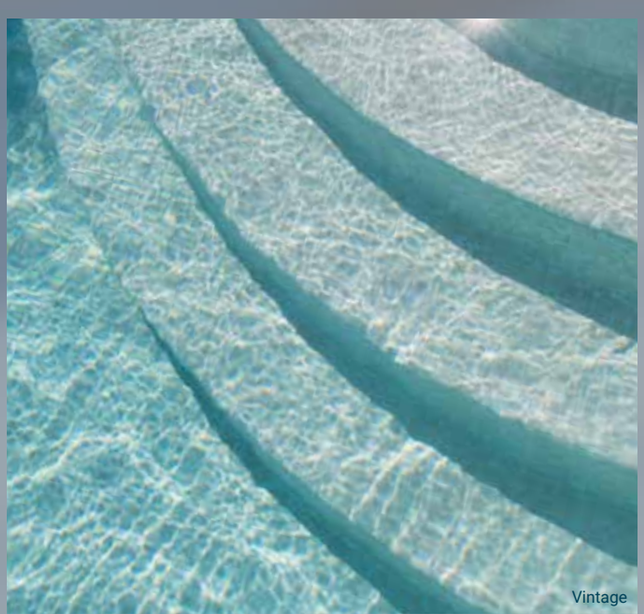
Antibacterial Fleece by Renolit made of polypropylene ; color: blue; page 184
#20.510 width: 1,50 m / length: 50 m / weight: 400 g/m²
#20.511 width: 1,65 m / length: 50 m / weight: 400 g/m²
#20.512 width: 2,00 m / length: 50 m / weight: 400 g/m²

### ROLL LENGTH 25m x 1,65m (WIDTH)

*(one roll = 41,25 m²)*

| Color | Article Number |
|---|---|
| Vintage* | 22.025 |
| Urban* | 22.026 |
| NEW Nordic* | 22.071 |
| Summer* | 22.027 |
| Tropical* | 22.077 |
| NEW Legacy* | 22.070 |

*suitable liquid liner can be found on page 182.


Vintage


Due to printing technology, slight color variations are possible

# POOL LINER ALIVE COLLECTION

ALIVE Collection
RENOLIT ALKORPLAN Rely on it
RENOLIT
1.65 THICKNESS | 100% SAFE | UP TO 35° WATER TEMPERATURE | 10 YEARS | C CLASS

NEW
#22.075

Refresh your soul with ALIVE.

An invitation to live life to the fullest, to find beauty in simplicity, and to connect with the energy that surrounds us. ALIVE stands for vitality, joy, and appreciation.

maximum water temperature +35°C.
PU: 8 rolls per pallet

**DIMENSIONS**

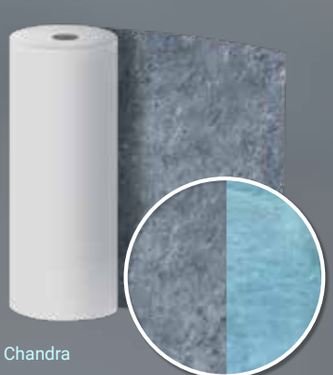
*Roll Length: 25 m*

*Width: 1,65 m*

*Thickness: 1,65 mm*

Prana

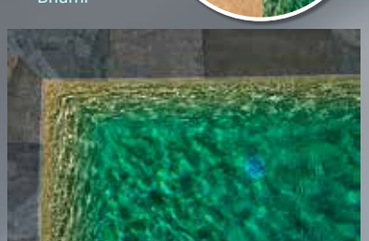
Dhyana



Chandra

NEW

Bhumi





## ROLL LENGTH 25m x 1,65m (WIDTH)

*(one roll = 41,25 m²)*

| Color | Article Number |
|---|---|
| Prana** | 22.015 |
| Dhyana* | 22.016 |
| Chandra* | 22.017 |
| NEW Bhumi** | 22.075 |

*suitable liquid liner can be found on page 182.

Antibacterial Fleece by Renolit made of polypropylene ; color: blue; page 184
#20.510 width: 1,50 m / length: 50 m / weight: 400 g/m²
#20.511 width: 1,65 m / length: 50 m / weight: 400 g/m²
#20.512 width: 2,00 m / length: 50 m / weight: 400 g/m²

**Color disclaimer:**
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** no stock items, delivery at extra charge.

# POOL LINER RELIEF COLLECTION

PRICE REDUCTION

RENOLIT ALKORPLAN RELIEF – Style. Safety. Flexibility.

The RELIEF collection combines textured designs with a wide selection of colors and reliable anti-slip properties. Certified according to the highest European standards, it offers secure grip and a pleasant bathing experience.
The 1.8 mm thick, flexible membrane adapts to any pool shape. For a pool experience that perfectly combines aesthetics, comfort, and safety.
maximum water temperature +35°C.
PU: 8 rolls per pallet

RELIEF Collection
RENOLIT ALKORPLAN Rely on it
1.8 mm THICKNESS | 100% SAFE | UP TO 35° WATER TEMPERATURE | 10 YEARS | C CLASS

**DIMENSIONS**

*Roll Length: 25 m*

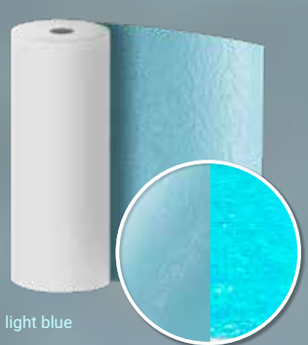
*Width: 1,65 m*

*Thickness: 1,65 mm*

white

sand

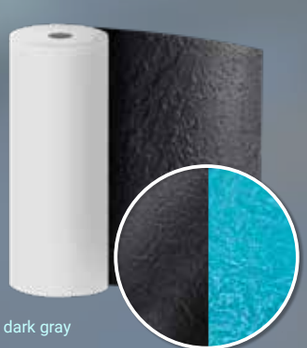
Antibacterial Fleece by Renolit made of polypropylene ; color: blue; page 184
#20.510 width: 1,50 m / length: 50 m / weight: 400 g/m²
#20.511 width: 1,65 m / length: 50 m / weight: 400 g/m²
#20.512 width: 2,00 m / length: 50 m / weight: 400 g/m²


light blue

Adriatic blue

turquoise

light gray


dark gray

black

## ROLL LENGTH 25m x 1,65m (WIDTH)

*(one roll = 41,25 m²)*

| Color | Article Number |
|---|---|
| white* | 22.029 |
| sand* | 22.030 |
| light blue* | 22.031 |
| Adriatic blue* | 22.032 |
| turquoise* | 22.033** |
| light gray* | 22.034 |
| dark gray* | 22.035 |
| black* | 22.036** |

*suitable liquid liner can be found on page 182.

**Color disclaimer:**
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black



** no stock item

Due to printing technology, slight color variations are possible

# POOL LINER ALKORPLAN 2000

**NEW**

RENOLIT ALKORPLAN 2000 – Robust. Versatile. Timeless.

The monochrome, 1.5 mm thick, reinforced pool liner RENOLIT ALKORPLAN 2000 is a reliable and durable solution for public swimming pools, hotels, spa and sports centers. The installation is quick and uncomplicated: the liner can be laid on almost any substrate and, thanks to its flexibility, adapts optimally even to uneven surfaces. It requires only minimal maintenance.

maximum water temperature +35°C.
PU: 8 rolls per pallet

ALKORPLAN 2000 Collection
RENOLIT ALKORPLAN Rely on it

1.5 THICKNESS | 100% SAFE | UP TO 35° WATER TEMPERATURE | 10 YEARS

**DIMENSIONS**
*Roll Length: 25 m*
*Width: 1,65 m oder 2,05 m*
*Thickness: 1,5 mm*

Note: We recommend not applying these liners to steps. Instead, we recommend the RELIEF Collection in the same colors with Category C slip resistance.

Antibacterial Fleece by Renolit made of polypropylene ; color: blue; page 184
#20.510 width: 1,50 m / length: 50 m / weight: 400 g/m²
#20.511 width: 1,65 m / length: 50 m / weight: 400 g/m²
#20.512 width: 2,00 m / length: 50 m / weight: 400 g/m²

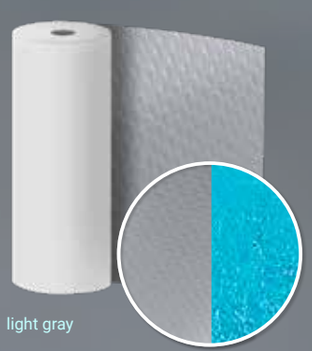
white

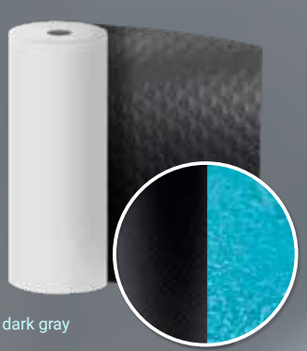
sand

light blue

Adriatic blue

turquoise


light gray


dark gray

black



## ROLL LENGTH 25m x 1,65m (WIDTH)
*(one roll = 41,25 m²)*

| Color | Article Number |
|---|---|
| white* | 22.000 |
| sand* | 22.001 |
| light blue* | 22.002 |
| Adriatic blue* | 22.003 |
| turquoise* | 22.004** |
| light gray* | 22.005 |
| dark gray* | 22.006 |
| black* | 22.007** |

## ROLL LENGTH 25m x 2,05m (WIDTH)
*(one roll = 51,25 m²)*

| Color | Article Number |
|---|---|
| white* | 22.008 |
| sand* | 22.009 |
| light blue* | 22.010 |
| Adriatic blue* | 22.011 |
| turquoise* | 22.012** |
| light gray* | 22.013 |
| dark gray* | 22.014 |

*suitable liquid liner can be found on page 182.

** no stock item

Due to printing technology, slight color variations are possible

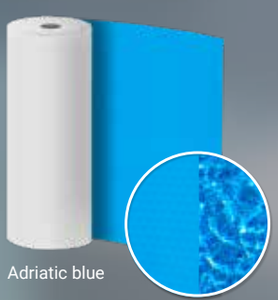
## FABRIC REINFORCED POOL LINER SUPRA

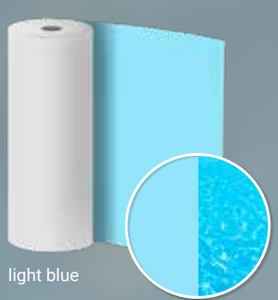
PRICE REDUCTION

With high-quality surface finishing for protection against dirt and discoloration, featuring antimicrobial treatment, UV-resistant, cold-resistant, tear-resistant, and durable.
maximum water temperature: +32°C
packaging unit: 8 rolls per pallet

WARRANTY 15 YEARS WATERPROOFING

white


Adriatic blue


light blue

sand

light gray

dark gray

***DIMENSIONS***

*Roll Length: 25 m*

*Width: 1,65 m or 2,00 m*

*Thickness 1,5 mm*

3D SURFACE

HIGH UV RESISTANCE

EXCELLENT SCRATCH RESISTANCE

VERY EASY TO CLEAN

SUPERIOR CHLORINE DURABILITY

PROTECTION AGAINST BACTERIA & FUNGI

NATURAL DESIGNS

**Color disclaimer:**
The displayed colors of the pool liners may vary depending on water depth and lighting conditions. The images are for illustrative purposes only and are intended to give an impression of how the liners may appear underwater.

### ROLL LENGTH 25m X 1,65m (WIDTH)

*(one roll = 41,25 m²)*

| Color | Article Number |
|---|---|
| white (1)* | 20.049 |
| sand (4)* | 20.051 |
| light blue (3)* | 20.052 |
| Adriatic blue (2)* | 20.410 |
| light gray (5)* | 20.055 |
| dark gray (6)* | 20.786 |

### ROLL LENGTH 25m X 2,00m (WIDTH)

*(one roll = 50 m²)*

| Color | Article Number |
|---|---|
| white (1)* | 20.048 |
| sand (4)* | 20.054 |
| light blue (3)* | 20.053 |
| Adriatic blue (2)* | 20.409 |
| light gray (5)* | 20.074 |
| dark gray (6)* | 20.910 |

*suitable liquid liner can be found on page 182.



Due to printing technology, slight color variations are possible

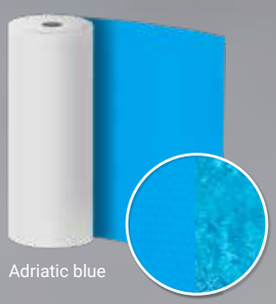
# FABRIC REINFORCED POOL LINER CLASSIC

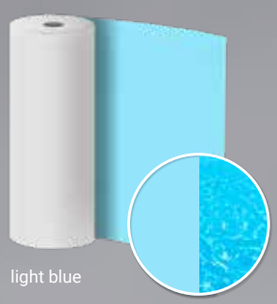
PRICE REDUCTION

The reinforced swimming pool membranes are the ideal material for lining fixed pools of all sizes and shapes, both indoors and outdoors. Extremely tear-resistant, hard-wearing, and resistant to weathering, cold, fungi, and bacteria. Suitable for any load-bearing substrate. Maximum water temperature +32°C. PU: 8 rolls per pallet

WARRANTY 15 YEARS WATERPROOFING

white


Adriatic blue


light blue

sand

light gray

dark gray

black

**DIMENSIONS**

*Roll Length: 25 m*

*Width: 1,65 m or 2,00 m*

*Thickness 1,5 mm*

HIGH UV RESISTANCE

STAIN RESISTANT

SCRATCH-RESISTANT SURFACE

PROTECTION AGAINST BACTERIA, FUNGI & ALGAE

VERY EASY TO CLEAN

LONGER LIFESPAN

QUICK & EASY INSTALLATION

**Color disclaimer:**
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## ROLL LENGTH 25m X 1,65m (WIDTH)

*(one roll = 41,25 m²)*

| Color | Article Number |
|---|---|
| white (1)* | 20.045 |
| sand (4)* | 20.405 |
| light blue (3)* | 20.403 |
| Adriatic blue (2)* | 20.061 |
| light gray (5)* | 20.073 |
| dark gray (6)* | 20.529 |
| black (7)* | 20.579** |

## ROLL LENGTH 25m X 2,00m (WIDTH)

*(one roll = 50 m²)*

| Color | Article Number |
|---|---|
| white (1)* | 20.047 |
| sand (4)* | 20.406 |
| light blue (3)* | 20.404 |
| Adriatic blue (2)* | 20.063 |
| light gray (5)* | 20.072 |
| dark gray (6)* | 20.628 |

*suitable liquid liner can be found on page 182.

** no stock item

Due to printing technology, slight color variations are possible

## FABRIC-REINFORCED TREAD PROTECTION MEMBRANE

PRICE REDUCTION

The textured surface ensures maximum slip resistance on steps, in children's paddling pools, and walk-through pools. Free from heavy metals and resistant to standard pool care and water treatment chemicals. Resistant to aging and decay, UV-stabilized, weldable, cold-resistant, and antimicrobial.

Custom length cuts available

WARRANTY 15 YEARS WATERPROOFING

**DIMENSIONS**

*Roll Length: 10 m*

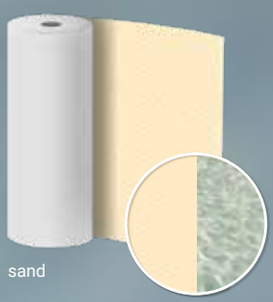
*Width: 1,65 m*

*Thickness 1,9 mm*

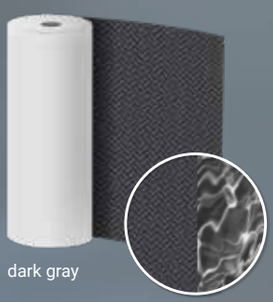
white

Adriatic blue

light blue


sand

light gray


dark gray

black

HIGH UV RESISTANCE

STAIN RESISTANT

SCRATCH-RESISTANT SURFACE

PROTECTION AGAINST BACTERIA, FUNGI & ALGAE

VERY EASY TO CLEAN

LONGER LIFESPAN

QUICK & EASY INSTAL-LATION

**ROLL LENGTH 10m x 1,65m (WIDTH)**

*(one roll = 16,50 m²)*

(15 % ADDITIONAL CHARGE FOR CUTTING TO REQUIRED LENGTH)

| Color | Article Number |
|---|---|
| white (1)* | 20.765 |
| sand (4)* | 20.766 |
| light blue (3)* | 20.768 |
| Adriatic blue (2)* | 20.772 |
| light gray (5)* | 20.767 |
| dark gray (6)* | 20.771 |
| black (7)* | 20.770** |

*suitable liquid liner can be found on page 182.

**Color disclaimer:**
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** no stock item

Due to printing technology, slight color variations are possible

# POOL LINER KERAMIK COLLECTION

KERAMIK collection

**NEW**

Discover the innovative KERAMIK Collection by CEFIL POOL – a true revolution in the world of pool liners! This collection combines elegance and exclusivity in one product, offering new advantages over traditional porcelain stoneware tiles. The reinforced pool liner of the KERAMIK Collection represent luxury and exceptional, tangible quality.
Their refined appearance creates a stunning visual experience, transporting you into a world of sophistication. Installation is quick, straightforward, and waste-free
(For liquid pool liners, see page 182)
maximum water temperature: +32°C
packaging unit: 10 rolls per pallet

SLIP RESISTANCE CLASS C | WARRANTY 10 YEARS WATERPROOF | ANTI-SLIP PROPERTIES | UNE-EN 15836-2

***DIMENSIONS***

*Roll Length: 25 m*

*Width: 1,65 m*

*Thickness 1,5 mm*

Ocean Green

- 3D SURFACE
- STRONG & LONG-LASTING
- UV RESISTANCE
- LOW MAINTENANCE
- MODERN & LUXURIOUS
- EASY INSTALLATION
- FLEXIBLE & EASILY ADAPTABLE
- ANTI-SLIP SURFACE

## ROLL LENGTH 25m x 1,65m (WIDTH)

*(one roll = 41,25 m²)*

| Color | Article Number |
|---|---|
| Ocean Green (18)* | 22.076 |

**Color disclaimer:**
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Due to printing technology, slight color variations are possible

*suitable liquid liner can be found on page 182.

## SEAM SEALING RENOLIT ALKORPLAN

NEW
#22.068
#22.067

seam sealing of welded joints on fabric-reinforced pool liners.
Container size: 900 g (can) Also available individually.

| Article | PU | Article Number |
|---|---|---|
| seam sealing Touch Authentic | 6 | 22.056 |
| seam sealing Touch Elegance | 6 | 22.057 |
| seam sealing Touch Origin | 6 | 22.058 |
| seam sealing Touch Prestige | 6 | 22.059 |
| seam sealing Touch Relax | 6 | 22.060 |
| seam sealing Touch Sublime | 6 | 22.061 |
| seam sealing Touch Vanity | 6 | 22.062 |
| seam sealing Vogue Summer | 6 | 22.063 |
| seam sealing Vogue Tropical | 6 | 22.064 |
| seam sealing Vogue Urban | 6 | 22.065 |
| seam sealing Vogue Vintage | 6 | 22.066 |
| NEW seam sealing Vogue Nordic | 6 | 22.068 |
| NEW seam sealing Vogue Legacy | 6 | 22.067 |
| Renolit seam sealing Alive Bhumi | 6 | 22.052 |
| Renolit seam sealing Alive Chandra | 6 | 22.053 |
| Renolit seam sealing Alive Dhyana | 6 | 22.054 |
| Renolit seam sealing Alive Prana | 6 | 22.055 |
| seam sealing Relief & Alkorplan 2000 Color white | 6 | 22.043 |
| seam sealing Relief & Alkorplan 2000Color turquoise | 6 | 22.044 |
| seam sealing Relief & Alkorplan 2000 Color transparent | 6 | 22.045 |
| seam sealing Relief & Alkorplan 2000 Color black | 6 | 22.046 |
| seam sealing Relief & Alkorplan 2000 Color sand | 6 | 22.047 |
| seam sealing Relief & Alkorplan 2000 Color light gray | 6 | 22.048 |
| seam sealing & Alkorplan 2000 Relief Color light blue | 6 | 22.049 |
| seam sealing & Alkorplan 2000 Relief Color dark gray | 6 | 22.050 |
| seam sealing & Alkorplan 2000 Relief Color Adriatic blue | 6 | 22.051 |

Liquid film for Renolit Alkorplan Ceramic Evolve Collection available upon request: #21.057 (Ashen), #21.058 (Dune), #21.059 (Verdant).

## LIQUID FILM KERAMIK COLLECTION

NEW
#21.060

Seam sealing for welded joints on reinforced pool liners.
Container size: 1000 ml (can). Also available individually.

| Color | PU | Article Number |
|---|---|---|
| Sunlight for Keramik Collection (15) | 6 | 20.270 |
| Bluemoon for Keramik Collection (16) | 6 | 20.271 |
| Darkstar for Keramik Collection (17) | 6 | 20.272 |
| NEW Ocean Green for Keramik Collection (18) | 6 | 21.060 |

#20.272
#20.271
#20.270

# ACCESSORIES

## LIQUID POOL LINERS

Seam sealing for welded joints on reinforced pool liners.
Container size: 950 ml (Dose). Also available individually.

| Color | PU | Article Number |
|---|---|---|
| white (1) | 6 | 21.054 |
| Adriatic blue (2) | 6 | 21.048 |
| light blue (3) | 6 | 21.053 |
| sand (4) | 6 | 21.056 |
| light gray (5) | 6 | 21.046 |
| dark gray (6) | 6 | 21.154 |
| black (7) | 6 | 21.190 |
| Transparent (8) | 6 | 21.055 |

## ACCESSORIES FOR BUTT-FUSION

#20.799

**DIMENSIONS**
*Roll Length: 25 m*
*Width: 15 cm*
*Thickness: 1,5 mm*

| Article | Dimensions | Article Number |
|---|---|---|
| sweat stains | 1,5 mm, 15 cm x 25 m | 20.799 |

## BUTT FUSION TAPE

PRICE REDUCTION

Base tape for the application of butt joints.
This type of welded seam is particularly recommended for the installation of TOUCH pool liners and for pool liners with a thickness of at least 1.8 mm.
Color: dark gray

**DIMENSIONS**
*Roll Length: 20 m*
*Width: 15 cm*
*Thickness: 1,5 mm*

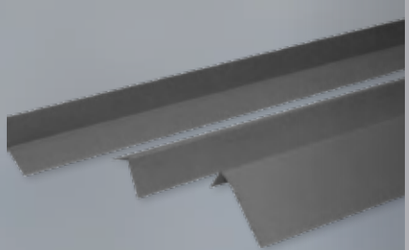
| Article | Dimensions | Article Number |
|---|---|---|
| Renolit Touch butt fusion tape | 15 cm / 20 m roll | 22.040 |

## FOIL COMPOSITE SHEET

For the installation of reinforced pool liners.
Thickness of foil composite sheet: 1.2 mm

| Article | Dimensions (mm) | Color | PU | Article Number |
|---|---|---|---|---|
| sheet | 2000 x 1000 | blue | 30 | 21.010 |
| stripes | 70 x 2000 | blue | 1 | 21.017 |
| external corner | 70 x 30 x 2000 | blue | 1 | 21.014 |
| internal corner | 70 x 30 x 2000 | blue | 1 | 21.013 |
| external corner | 100 x 30 x 2000 | blue | 1 | 21.015 |
| internal corner | 100 x 30 x 2000 | blue | 1 | 21.016 |
| external corner | 50 x 50 x 2000 | blue | 1 | 21.011 |
| internal corner | 50 x 50 x 2000 | blue | 1 | 21.012 |

Available individually



PACKAGING
Sheet; PU: 30/pallet
External corner, strip, internal corner;
PU: 1/Pk.

## RENOLIT ALKORPLAN SEPARATION AND PROTECTION FLEECE

DIMENSIONS
Width: 1,50 m / 2,00 m
Roll Length: 50 m

NEW
#20.511

Antibacterial separation and protection fleece - available in 400 g/m²; made of thermally bonded polyester fibers, rot-resistant and vapor-permeable, resistant to drilling and screwing. B2 - DIN 4102

| Article | Quality | Width | one role | PU | Article Number |
|---|---|---|---|---|---|
| antibacterial fleece | 400 g/m² | 1,50 m | 75 m² | 6 rolls | 20.510 |
| NEW antibacterial fleece | 400 g/m² | 1,65 m | 82,5 m² | 6 rolls | 20.511 |
| antibacterial fleece | 400 g/m² | 2,00 m | 100 m² | 6 rolls | 20.512 |

## ANTIBACTERIAL SEPARATING AND PROTECTIVE FLEECE

DIMENSIONS
Width: 1,50 m / 2,00 m
Roll Length: 50 m

Antibacterial separation and protection fleece - available in 400 g/m²; made of thermally bonded polyester fibers, resistant to drilling and screwing. color: white

| Article | Quality | Width | one role | PU | Article Number |
|---|---|---|---|---|---|
| antibacterial fleece | 400 g/m² | 1,50 m | 75 m² | 6 rolls | 20.504 |
| antibacterial fleece | 400 g/m² | 2,00 m | 100 m² | 6 rolls | 20.505 |

Antibacterial fleece available in blue upon request.
length 50 m / weight 400 g/m² / width: 1,50 m, 1,65 m, or 2,00 m

## SEPARATING AND PROTECTIVE FLEECE

DIMENSIONS
Thickness: 2 mm (300 g/m²)
Thickness: 4 mm (500 g/m²)
Width: 1,50 m / 2,00 m
Roll Length: 50 m

Separation and protection fleece - available in 300 g/m² and 500 g/m²; made of thermally bonded polyester fibers, suitable for drilling and screwing, rot-resistant, vapor-permeable, compatible with membranes and bitumen. color: white; Also available individually. B2-DIN 4102.

| Article | Quality | Width | one role | PU | Article Number |
|---|---|---|---|---|---|
| fleece | 300 g/m² | 1,50 m | 75 m² | 6 rolls | 20.500 |
| fleece | 500 g/m² | 1,50 m | 75 m² | 5 rolls | 20.506 |
| fleece | 300 g/m² | 2,00 m | 100 m² | 6 rolls | 20.501 |
| fleece | 500 g/m² | 2,00 m | 100 m² | 5 rolls | 20.502 |

## DESIGNED FOR PROFESSIONAL POOL LINER APPLICATIONS

Swimming pool membranes can be used to line indoor and outdoor pools of any shape and size. This applies to both new construction and the renovation of existing pools with substrates made of concrete, masonry, wood, steel, aluminum, polyester, or earth-retained pools with slopes of up to 60°. Using the correct installation accessories is essential to ensure a professional pool lining.

Note: fleece adhesive pro, 5 kg bucket #8045, is not suitable for use on pool walls.

#21.001 #21.000 #8045

#21.382

#21.381

#21.039 #8046 #8054

| Article | PU | Article Number |
|---|---|---|
| small spray bottle, 250 ml | 5 | 21.001 |
| spray bottle, 500 ml | 5 | 21.000 |
| spray adhesive for pool fleece, 500 ml* | 12 | 8046 |
| styro spray adhesive for pool fleece, 500 ml | 12 | 8054 |
| swelling welding fluid THF, 1.000 ml | 6 | 21.039 |
| fleece adhesive Pro, 5 kg bucket | 1 | 8045 |
| hammer rivets, long, 35 mm | 12 pack of 100 pieces | 21.382 |
| hammer rivets short, 20.3 mm | 12 pack of 200 pieces | 21.381 |

*Suitable for concrete pools / covers an area of 7 m².

## RENOLIT ACCESSORIES

Renolit Alkorplus MEK solvent (#8081) is a universal thinner for all MEK-based adhesives and seam sealers (not suitable for ALKORPLAN 2000). It allows for reconstituting and thinning to a sprayable consistency and is also suitable for cleaning metal sheets prior to welding.

#8084 #8086 #8081

#8082

#8083

#22.041

#22.039

#22.041 & #22.042 & #22.039

| | Article | Article Number |
|---|---|---|
| NEW | Special cleaner for stains and dirt at the waterline | 8084 |
| NEW | Disinfectant 1 liter | 8086 |
| | Renolit professional spray gun | 22.041 |
| | Renolit Alkorspray glue 22ltr. | 22.042 |
| | flexible hose 4 m for Renolit professional spray gun | 22.039 |
| NEW | Renolit Alkorplus bead strip<br>9 mm, 25 m roll, thickness: 1.5 mm, color: white<br>for fixing reinforced liners<br>in PVC clamping profiles | 22.038 |
| | Renolit Alkorplus MEK-solvent 1 liter | 8081 |
| | AlkorGlue contact adhesive 5 kg can | 8082 |
| | Renolit AlkorGlue adhesive 20 kg can | 8083 |

NEW
#22.038



## ELBE THERMO GLUE

Ready-to-use single-component adhesive. Suitable for bonding PVC membranes to wood, concrete, rigid PVC, GRP, or similar surfaces. Application should be carried out at ambient temperatures above +5 °C. The optimal application temperature is between +18 °C and +25 °C..

- significant time savings during stair installation, especially with freeform stairs
- eliminates the need for sheet metal and metalwork by allowing direct bonding of the membrane to the substrate
- highly suitable for bonding backing strips for butt welds – makes head-to-head welding easier and faster
- perfect for the wet-on-wet application process
- suitable for bonding membrane to slatted pool covers

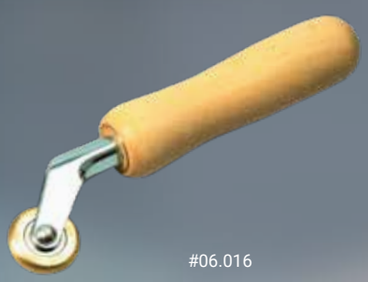
**Easy to use:** Apply the adhesive, let it air-dry for 10–15 minutes – once dry, it is no longer tacky. For installation, simply activate with heat and apply the membrane.

| Article | Weight | Article Number |
|---|---|---|
| Thermo Glue | 4,5 kg | 21.397 |

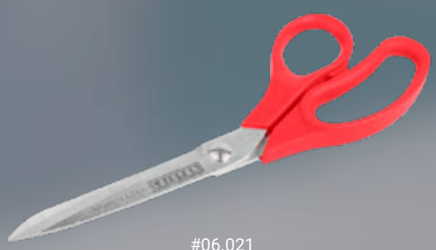
## TOOLS FOR WELDING

**PRICE REDUCTION**
#06.021
#06.016
#06.013
#06.019

#06.013



#06.016



#06.021

#06.019

#06.018

| Article | Article Number |
|---|---|
| weld seam tester | 06.018 |
| universal scissors 260 mm with special serrated edge | 06.021 |
| pressure roller with ball bearing, brass; width 6 mm | 06.016 |
| pressure roller with ball bearing, silicone; width 43 mm | 06.013 |
| Kehlfix for waterproofing pool liners; width 55 mm | 06.019 |

## ACCESSORIES FOR TRIAC ST AND TRIAC AT

#06.007

#06.008

#06.010

| Article | Article Number |
|---|---|
| angled nozzle 20 x 2 mm 75° | 06.007 |
| angled nozzle 20 x 2 mm 60° | 06.008 |
| wide slot nozzle 20 x 2 mm 15° | 06.010 |

Additional accessories available upon request.

# PREFABRICATED POOLS AVAILABLE UPON REQUEST

## POLYPROPYLENE PREFABRICATED POOLS

High-quality polypropylene prefabricated pool available in various models and sizes.

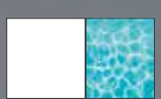
**+++**
**Custom-made solutions & flexible configuration possible!**
**+++**

## FEATURES & ADVANTAGES

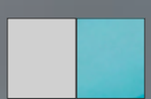
- **includes** built-in components and pre-piping for quick installation and efficient project execution
- **custom manufacturing** according to requested dimensions, stair designs (including "floating" steps), shallow water zones, and more
- **wall thickness options: 8 mm or 12 mm**
- flexible sizes – standard up to 3.8 m x 12.0 m, larger sizes, available upon request
- compact minimum size – smallest version: 2.5 m x 4.0 m
- various pool depths available: 1.4 m and 1.5 m
- No osmosis formation
- color options: combinations possible (e.g. white pool color with anthracite steps)

***VARIOUS MODELS AVAILABLE UPON REQUEST!***

**Color disclaimer:**
The displayed pool colors may vary depending on water depth and lighting conditions. The images are for illustrative purposes only and are intended to give an impression of how the liners may appear underwater.



white



light gray

| Article |
| --- |
| Available upon request |

We offer a wide range of models available upon request.
Feel free to contact our internal or field sales team for individual consultation and tailored solutions!

Shipping costs apply independently of standard flat-rate freight charges (available on request). A crane for unloading must be provided on-site.

## GRP PREFABRICATED POOLS

NEW

★ ★ ★
40 YEAR WARRANTY*

## FEATURES & ADVANTAGES

- **includes** directly integrated LED lighting
- **includes** built-in high-flow skimmer, drain and pre-piping for fast installation and quick project execution
- durability and robustness
- wide range of models to meet every need
- easy and quick installation and fast commissioning
- excellent wall structure –

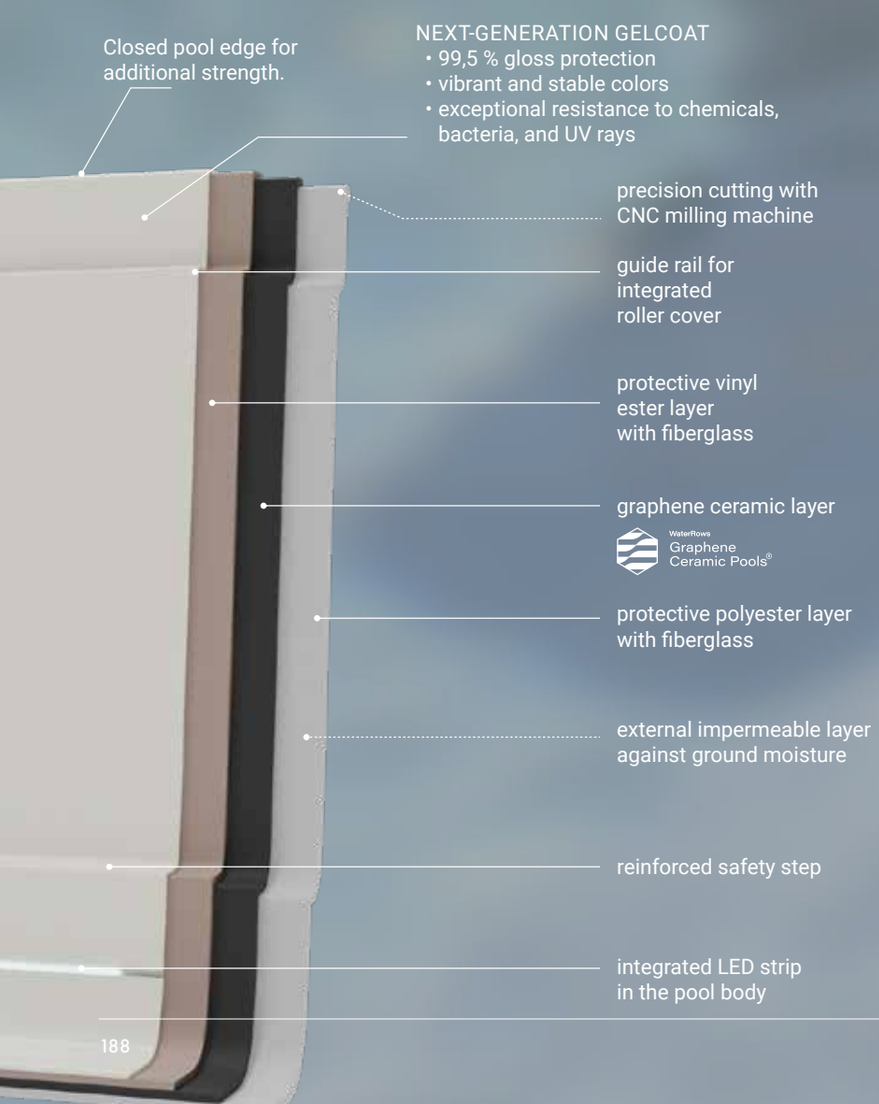
### GRAPHENE CERAMIC TECHNOLOGY

Graphene Ceramic technology brings nanotechnology into pool manufacturing.

As a result, the WaterRows pool is the strongest to date in terms of bending and impact resitance, without increasing weight, while also offering higher resistance to water and chemicals.

WaterRows Graphene Ceramic Pools®

PowerRibs by WaterRows




### COLORS

The color palette is more than a design choice – it is the emotional layer of your pool.
From soft mineral tones to vivid reflections and shimmering effects, each surface responds to light, time of day, and water.
Created to elevate outdoor spaces with timeless elegance.

## POOL SERIES

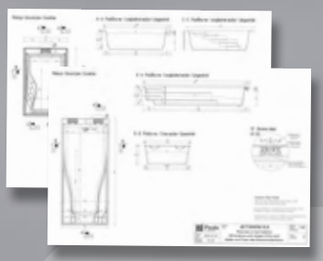
SINGLE

DOUBLE

SUNLOUNGE

LINEAR

JETSWIM



**DOWNLOAD**

View & download predefined templates and drawings of the pool models here.



## DESIGN IS NOT THE FINISHING TOUCH. IT IS THE BEGINNING.

At WaterRows, every pool begins with design – not just in its shape, but in the entire experience. We do not follow trends. We shape spaces. Design defines how the pool lives within its environment. Design defines how it feels. That is why it is not just important – it is everything. The forms of WaterRows are clean, powerful, and essential – defined by symmetry, balance, and precise proportions. Every curve is shaped down to the millimeter by the heart of our technology: the MX5 CNC system. Inspired by yacht and boat building, our production line is unique in the world of composite pools – engineered to create perfect forms. Every time.

**ALL MODELS & PRICES CAN BE FOUND HERE:**

Our internal sales team will be happy to assist you with personal advice and further information.

| Article |
| --- |
| Available upon request |

*cover: protection against leaks and osmosis

**Color disclaimer:**
The displayed pool colors may vary depending on water depth and lighting conditions. The images are for illustrative purposes only and are intended to give an impression of how the liners may appear underwater.

**SAMPLE MINI POOL AVAILABLE ON REQUEST!**
#183

Shipping costs apply independently of standard flat-rate freight charges (available on request). A crane for unloading must be provided on-site.

# 07

# POOL COVERS

*Experience modern* **movable pool enclosures** *that combine premium design with well-thought-out functionality, giving your pool an elegant appearance. They provide reliable protection against weather conditions, reduce heat loss, and noticeably extend the swimming season.*

*Rely on* **rolling safety covers** *that optimally combine protection, energy efficiency, and cleanliness. They securely cover your pool, prevent heat loss, and ensure maximum safety at the same time.*

*Choose from an exclusive color palette that not only adds a luxurious touch to your pool but also optimizes thermal insulation to reduce energy consumption. The new* **bubble covers** *offer enhanced efficiency and improve heat retention.*

*Opt for a cover that unites* **style**, **technology**, *and* **sustainability** *– for a pool that remains in perfect condition all year round.*

## OVERVIEW


**MOVABLE POOL ENCLOSURES**

P. 192 Movable pool enclosures

**ROLLING SAFETY COVERS**

NEW P. 194 Rolling safety covers

**BUBBLE COVER**

P. 197 Bubble covers & accessories

# MOVABLE POOL ENCLOSURES

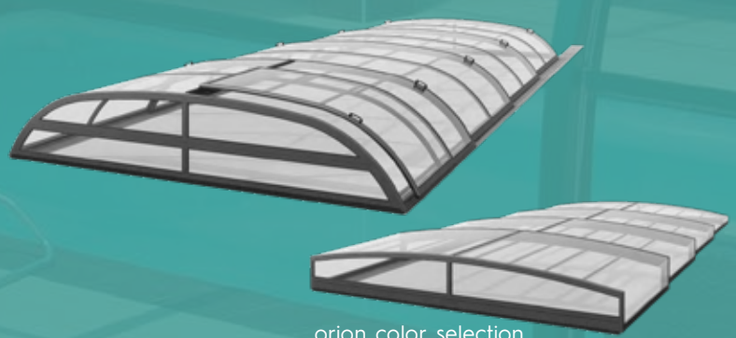
DOWNLOAD THE BROCHURE HERE:

## MOVABLE POOL ENCLOSURES
PROTECTION & ELEGANCE FOR YOUR POOL

Movable pool enclosures combine modern design with functional perfection.
They provide optimal protection against weather conditions, reduce heat loss, and extend the swimming season. Sustainable and energy-efficient heating keeps the water consistently warm, helping to lower energy costs. At the same time, the enclosure offers reliable protection against dirt and debris by keeping out leaves, insects, and other contaminants. Thanks to high-quality materials, ease of use, and elegant aesthetics, they blend seamlessly into any environment. Whether flat, mid-height, or walk-in – there is a suitable solution for every pool, offering maximum comfort and complete child safety.

### FEATURES & ADVANTAGES

- **including** side sliding door, track extension up to 2.80 m, and segment lock
- Self-cleaning design (rainwater drains off effortlessly)
- elegant design
- ultra-flat track or single guide rail
- side sliding door
- front and rear panels with flaps or hinged door



orion color selection

white (RAL 9010) | anthracite (RAL 7016) | gray aluminum (RAL 9007) | white aluminum (RAL 9006) | deep black (RAL 9005) | anthracite/anodized (RAL 7016) | white/anodized (RAL 7016)

All models can be supplied in any available RAL color upon request.

| Article |
| --- |
| Available on request! |

FIND ALL MODELS & PRICES HERE:

For further information, our internal sales team will be happy to assist you!



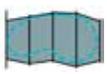
In addition to standard freight charges, shipping costs may apply (available on request). A forklift is required for unloading on site.

# ROLLING SAFETY COVERS

NEW
INCLUDING guide wheel

NEW

Safety covers replace bubble covers and their rollers, winter covers and any other safety system.
Thanks to the excellent perimeter sealing, the pool stays clean in both summer and winter.
The opaque PVC fabric inhibits algae growth. 100% child-safe.

| Comparison Overview | STARLIGHT | PRESTIGE | INITIAL | NEW EVOLVE* | NEW SWISS |
|---|---|---|---|---|---|
| pool type | in-ground pools | in-ground pools | in-ground pools | in-ground pools<br>above-ground pools | in-ground pools |
| load capacity | 125 kg | 125 kg | 100 kg | 100 kg | 100 kg |
| PVC film type | segmented | single-piece | single-piece | segmented | single-piece |
| PVC film weight | 650 g/m² | 650 g/m² | 650 g/m² | 650 g/m² | 650 g/m² |
| average cover weight | 1.250 g/m² | 1.250 g/m² | 1.250 g/m² | 1350 g / m² | 1.250 g/m² |
| profile material | anodized aluminum | anodized aluminum | anodized aluminum | anodized aluminum | anodized aluminum |
| profile shape | | | | | |
| profile outer diameter | 46 mm | 46 mm | 45 mm | 44 mm | 44 mm |
| custom shapes available | - | - | yes | yes  | - |
| rolling mechanism (depending on pool surface area) | 1 manual crank<br>(2 ≥ 50 m²) | 1 manual crank<br>(2 ≥ 50 m²) | 1 manual crank<br>(2 ≥ 50 m²) | 1 manual crank<br>(2 ≥ 50 m²) | 1 manual crank<br>(2 ≥ 50 m²) |
| rolling shaft – square tube | 2 | 2 | 1 (2 ≥50 m²) | 2 | 2 |
| fixation – short side | stainless steel tension belts and ratchets | stainless steel tension belts and ratchets | stainless steel tension belts and ratchets | stainless steel tension belts and ratchets | stainless steel tension belts and ratchets |
| hanging system – short side | retractable stainless steel pins with sleeves | retractable stainless steel pins with sleeves | retractable stainless steel pins with sleeves | retractable stainless steel pins with sleeves | retractable stainless steel pins with sleeves |
| fixation – long side | cabiclic tension straps with pins or optional wind safe system | **included** wind safe system | **included** wind safe system | cabiclic tension straps with pins or optional wind safe system | **included** wind safe system |
| perimeter overhang | 20 cm | 30 cm | 25 cm | 20 cm | 25 cm |
| cut-out for stairs or filter block | yes | - | - | - | yes |
| end-of-pool stairs | attached to the cover | attached to the cover | attached to the cover | attached to the cover | attached to the cover |
| side-mounted stairs | detached from the cover | detached from the cover | detached from the cover | detached from the cover | detached from the cover |
| maximum internal pool dimensions | 11,00 x 5,50 m | 10,00 x 5,00 m | 10,00 x 5,00 m | 11,00 x 5,00 m | 10,00 x 5,00 m |
| snow load capacity **without** snow profiles | 10 cm | 10 cm | 7,5 cm | 10 cm | 10 cm |
| snow load capacity **with** snow profiles* | 20 cm | 20 cm | 15 cm | 20 cm | 20 cm |
| warranty | 5 years | 5 years | 3 years | 5 years | 5 years |

*minimum supported snow height (for powder snow and pool fully filled with water)

The calculation is based on full square meters (rounded up, no decimal places).
Surcharge (per m²): +15% for cover areas under 25 m².

## IMPORTANT NOTICE!

**STARLIGHT** is only suitable for rectangular pools (with or without steps) and can only be manufactured in a rectangular shape with an overhang of 20 cm on each side.

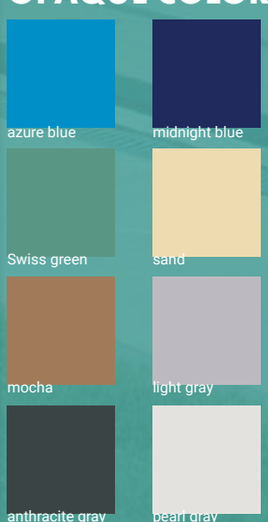
**PRESTIGE** is also only suitable for rectangular pools (with or without steps) and can only be manufactured in a rectangular shape with an overhang of 30 cm on each side.

**INITIAL** is produced in a rectangular shape for irregularly shaped pools (subject to a feasibility study). In this case, a border reinforcement kit must be ordered and adjusted on site (see optional equipment). The overhang on each side is 25 cm.

**EVOLVE** is suitable for round pools, custom shapes and above-ground pools. The overhang on each side is 20 cm.

**SWISS** is only suitable for rectangular pools (with or without steps). The overhang on each side is 25 cm.

## OPAQUE COLORS

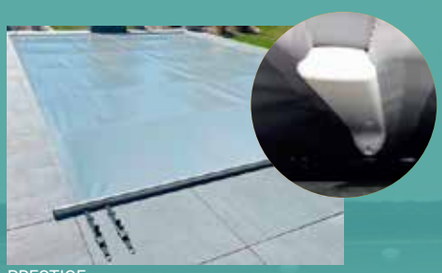


# ROLLING SAFETY COVERS

**INCLUDES**
HAND CRANK

**PRICE REDUCTION**
STARLIGHT
PRESTIGE
INITIAL

STARLIGHT


PRESTIGE

INITIAL

**NEW**

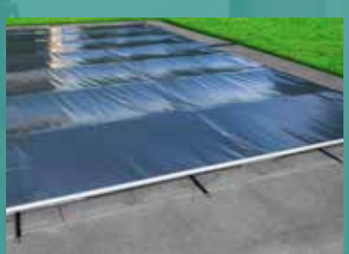
EVOLVE

**NEW**

SWISS

| | Article | Article Number |
|---|---|---|
| STARLIGHT | STARLIGHT color: azure blue | 66512 |
| | STARLIGHT color: midnight blue | 66513 |
| | STARLIGHT color: Swiss green | 66514 |
| | STARLIGHT color: sand | 66515 |
| | STARLIGHT color: mocha | 66516 |
| | STARLIGHT color: light gray | 66517 |
| | STARLIGHT color: anthracite gray | 66518 |
| PRESTIGE | PRESTIGE color: azure blue | 66505 |
| | PRESTIGE color: midnight blue | 66506 |
| | PRESTIGE color: Swiss green | 66507 |
| | PRESTIGE color: sand | 66508 |
| | PRESTIGE color: mocha | 66509 |
| | PRESTIGE color: light gray | 66510 |
| | PRESTIGE color: anthracite gray | 66511 |
| INITIAL | INITIAL color: royal blue | 66500 |
| | INITIAL color: almond green | 66501 |
| | INITIAL color: sand | 66502 |
| | INITIAL color: light gray | 66503 |
| | INITIAL color: anthracite gray | 66504 |
| NEW EVOLVE | EVOLVE color: azure blue | 66520 |
| | EVOLVE color: Swiss green | 66521 |
| | EVOLVE color: sand | 66522 |
| | EVOLVE color: mocha | 66523 |
| | EVOLVE color: light gray | 66524 |
| | EVOLVE color: anthracite gray | 66525 |
| | EVOLVE color: midnight blue | 66526 |
| | EVOLVE color: pearl gray | 66527 |
| NEW SWISS | SWISS color: azure blue | 66530 |
| | SWISS color: Swiss green | 66531 |
| | SWISS color: sand | 66532 |
| | SWISS color: light gray | 66533 |
| | SWISS color: anthracite gray | 66534 |
| | SWISS color: pearl gray | 66535 |

STARLIGHT


PRESTIGE

EVOLVE

SWISS



In addition to standard freight charges, shipping costs may apply (available on request). Two people are required for unloading.

## ADDITIONAL EQUIPMENT

PRICE REDUCTION

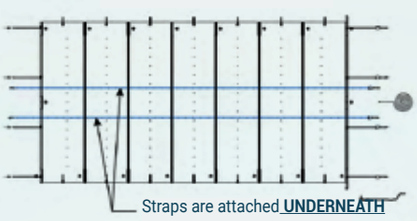
| Article | Article Number |
|---|---|
| quick-release system for pools **WITHOUT** ladder/stairs (STARLIGHT/PRESTIGE/INITIAL) | 66510-E1 |
| quick-release system for pools **WITH** ladder/stairs (STARLIGHT/PRESTIGE/INITIAL) | 66510-E2 |
| adjustable mounting on the bearing side (STARLIGHT/PRESTIGE/INITIAL) | 66510-E3 |
| PVC protective cover (STARLIGHT/PRESTIGE/INITIAL) | 66510-E4 |
| customized basin rim replacement profile (STARLIGHT) | 66512-E1 |
| cut-out flat rate for stairs (STARLIGHT) | 66512-E2 |
| cut-out flat rate for ladder or filter block (STARLIGHT) | 66512-E3 |
| wind safe system integrated lifting protection straps on both long sides (STARLIGHT) | 66512-E4 |
| edge protection reinforcement kit for non-rectangular basins (INITIAL) | 66511-E1 |

## WIND-KIT & SNOW-KIT
(BELTS WITH RATCHETS)

PRICE REDUCTION

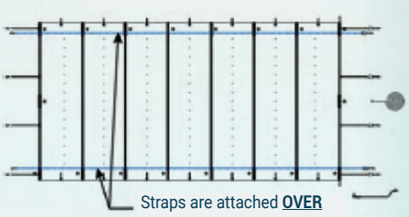
- **wind kit**: increases wind resistance
- **snow kit**: increases snow load resistance
  contents: 2 straps in 35 mm wide, 2 ratchet tensioners, 4 D-rings
  and 4 pins with 12 mm sleeves. Eyelets and ratchets made of stainless steel.
- 1 kit required per cover

SNOW - KIT

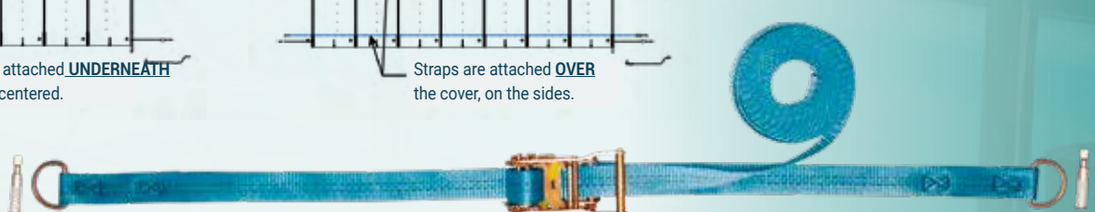


Straps are attached **UNDERNEATH** the cover, centered.

WIND - KIT

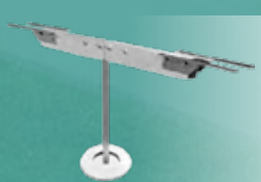


Straps are attached **OVER** the cover, on the sides.



| Article | Article Number |
|---|---|
| wind & snow kit 8m | 66500-E3 |
| wind & snow kit 11m | 66500-E6 |
| wind & snow kit 14m | 66500-E10 |
| wind & snow kit additional running meters | 66500-E9 |

## SNOW KIT PREMIUM



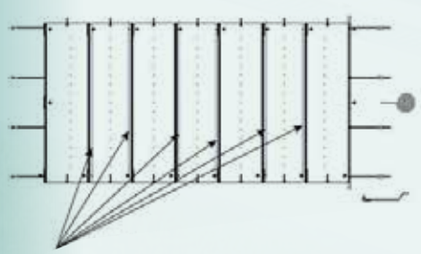
PRICE REDUCTION

How to calculate the required number of snow support bars:

**Snow support bar length = internal pool width (measured between coping stones) + 40 cm**

**Total length** = snow support length × required number of snow supports

| Article | Article Number |
|---|---|
| snow kit premium (aluminum profiles) per running meter | 66500-E11 |



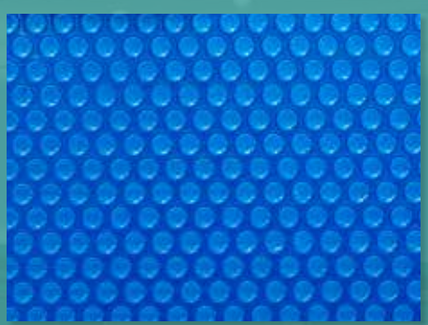
The snow support bars must be installed underneath the cover, directly next to the existing profiles, to prevent water from accumulating on the PVC sheets and to increase the load-bearing capacity of the cover.

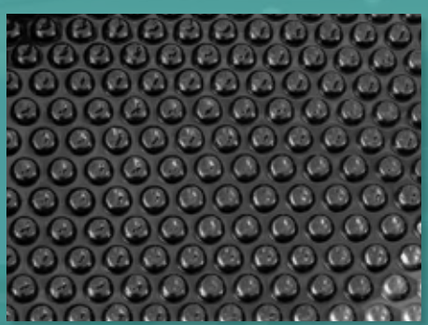
# BUBBLE COVERS

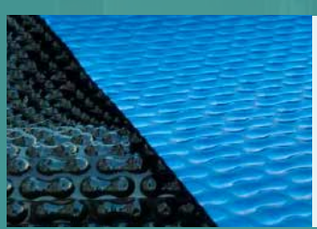
## CUSTOM-MADE BUBBLE COVERS
BLUE **OR** BLACK

PRICE REDUCTION
#6660
#6661
#6662
#6663
#6664
#6665

Custom-made bubble wrap, manufactured precisely to your desired dimensions.
The calculation is always based on the rectangular dimensions (maximum length and maximum width). Custom cuts for round and oval pools are also available.







**NEW** **GeoBubble 400 µm**

- More effective insulation thanks to larger air bubbles in the “GeoBubble” cell design
- Black underside (blue/black variant) blocks light and inhibits algae growth
- Heat gain through reduced heat loss
- Saves energy and chemicals
- Available on request

| Article | Calculation | Article Number |
|---|---|---|
| custom-made bubble cover made of PE film with individual air chambers, film thickness: 400 µm. color: black | per m² | 6660 |
| custom-made bubble cover made of PE film with individual air chambers, film thickness: 400 µm. color: blue | per m² | 6661 |
| Ø 32 pull loop with eyelets and rope for floating roller | per piece | 6662 |
| eyelet for cover or tension rope attachment | per piece | 6663 |
| edge reinforcement (straight sides only), color: black | per running meter | 6664 |
| Ø 32 mm traction tube in 120 cm sections, including sleeves, end caps, and adhesive (Please specify the required length when ordering) | per piece | 6665 |
| tension rope for bubble cover | per running meter | 6666 |
| cut to round shape | per piece | 6668 |

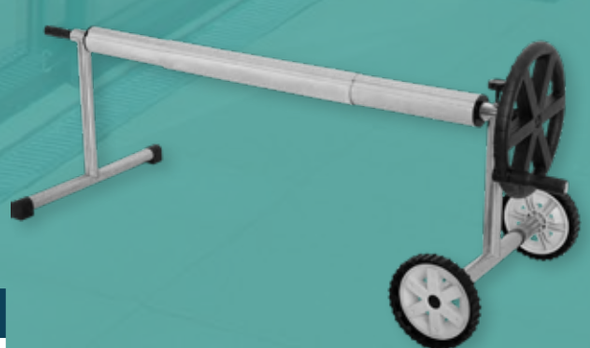
| Article | Size (cm) | Article Number |
|---|---|---|
| protective film white/black for bubble covers | 600 x 100 | 6667 |

## RETRACTOR

EXCLUSIVE MIDAS

PRICE REDUCTION

mobile aluminum reel system, **including** strap set
for securing a pool cover.
adjustable from 2.10 m to 5.40 m. Shaft diameter: 80 mm



| Article | Article Number |
|---|---|
| mobile retractor | 2321 |

# 08

# POOL EQUIPMENT

*INNOVATION MEETS ELEGANCE*

*Immerse yourself in the world of exclusive swimming pool equipment.*
*Our* **individually equipped technical box** *combines advanced technology with an elegant design that blends seamlessly into your garden landscape.*
*The easy installation saves valuable time and ensures a smooth start.*

*Experience luxury and comfort with our selection of* **cascade showers***: the* **Costa**, **Cascade**, *and* **Texas** *cascade showers, as well as the flexible* **cascade pipe Flexi**, *provide stunning water features that add an extraordinary touch to your pool.*

*The experience is completed by the elegant* **premium black solar shower** *and the stylish* **stainless steel hot/cold water shower**, *which are not only functional but also a true visual highlight.*

*Choose* **excellence**, **innovation**, *and* **luxury** *– for a pool that excels at the highest level both technically and aesthetically.*

## OVERVIEW


**POOL TECHNIC BOXES & WALL MOUNTING PLATE**

P. 200 Pool technic box anthracite
NEW P. 202 Pool technic box medium
P. 204 Wall mounting plate
P. 204 Technic wall

**SHAFT COVERS & LADDERS**

P. 205 Shaft covers
P. 206 Ladders

**CASCADE SHOWERS**

P. 208 Cascade shower Costa
P. 208 Cascade shower Cascade
P. 209 Cascade shower Texas
P. 209 Cascade pipe Flexi

**SUCTION INLETS & PIEZO SWITCHES**

P. 210 Suction inlets
P. 211 Piezo switches
P. 211 Piezo control systems

**AIR BLOWER**

P. 211 Air blower

# POOL TECHNIC BOXES

Discover a convenient solution for your swimming pool – our technical box. Thanks to its intelligent design, it not only simplifies installation but also makes the maintenance and care of your pool easier. Compact and elegant, it can combine a filter unit with pump, a dosing system with a PE safety tank for chemicals, as well as a UV unit in a space-saving design. Save time and space.

The weather-resistant technical box is delivered assembled/installed and without contents. It is available in an anthracite finish. It also features a 2° rear-tilted aluminum roof, power sockets, lighting, air inlet and outlet, four mounted carrying straps, as well as lockable doors.

## POOL TECHNIC BOX ANTHRACITE

EXCLUSIVE MIDAS

PRICE REDUCTION

- housing: styrodur with melamine/HPL surface
- doors & roof: aluminum
- empty weight: 70 kg
- electrical distribution incl. light strip
- height: approx. 127 cm
- length: approx. 196 cm
- depth: approx. 119.5 cm

Note: Place the technical box on six concrete blocks (30 × 30 × 6 cm): four at the corners and two in the center.

effective immediately
**removable lid**

Take a look at a sample configuration of the Pool Technic Box.

handle with built-in lock

handles on all four corners

noise reduction through reinforced doors

CONFIGURE YOUR TECHNICAL BOX NOW!
Scan the QR code, open the form, and create your custom technical box.

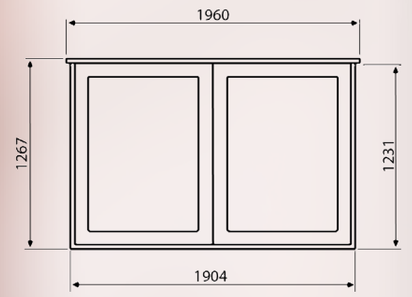
effective immediately
**removable lid**

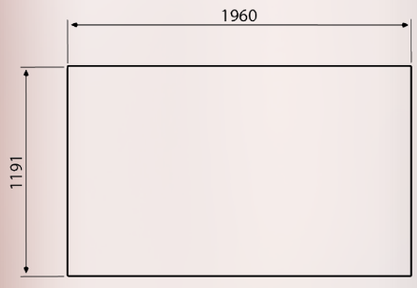
2° roof slope for improved rainwater drainage

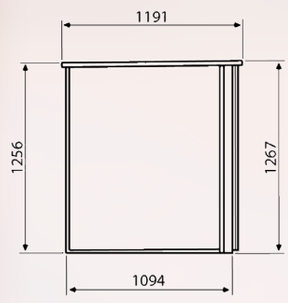
four ventilation openings

interior view

supplied empty #30009




## Thoroughly tested and ready for immediate use

The Pool Technic Box is configured to your specific requirements and subjected to a 1.5-bar pressure test.

For a customized configuration, please contact your representative (page 13).

sample configuration

Note: If the box is installed above the water level, a check valve is required.

| Article | Article Number |
|---|---|
| pool technic box anthracite - assembled, without contents | 30009 |
| pool technic box anthracite- mounted, individual equipment | 30009-A |

# POOL TECHNIC BOX MEDIUM

EXCLUSIVE MIDAS

**NEW**
#2001
#2002
#2003
#2004
#2005
#2006
#2007
#2008

PRICE REDUCTION
#30007-A
#30007-B

- housing: styrodur with melamine/HPL surface
- roof: aluminum
- removable lid
- fully insulated with 40 mm panels (aluminum/PVC)
- empty weight: approx. 95 kg (equipped box)
- decorative cladding made of larch wood (optional)
- height: 925 mm
- length: 1411 mm
- depth: 1011 mm

Note: If the box is installed above the water level, a check valve is required.

## READY FOR DELIVERY!

The Technical Box Medium is delivered fully assembled and comes with a fixed configuration. **Including** pre-piping DN 40/50 mm, double power socket, heat pump bypass, injection line, measuring water circuit, check valve (on the suction side), as well as **including** all rear-facing external connections. Additional space is available on the inner front and side walls for individual installations. Before delivery, the finished box is subjected to a 1.5 bar pressure test.

suitable for pools up to 50 m³

## EQUIPMENT

Filter Container
MIDA.Carbon 500
#718 (page 24)

or

Filter Container
MIDA.Carbon Premium 500
#715 (page 22)

Valve
11/2" BESGO valve
#BE50125 (page 32)

including compressor
#BEKOMP3 (page 34)

or

Valve
11/2" 6-ways valve
#310-C (page 39)

Dosing System
MIDA.Sin NET NEW
#30072 (pH/ORP) /
#30073 (pH/free chlorine) (page 88)

or

Dosing System
MIDA.Sin Salt
#30064 (pH/ORP) /
#30063 (pH/free chlorine) (page 96)

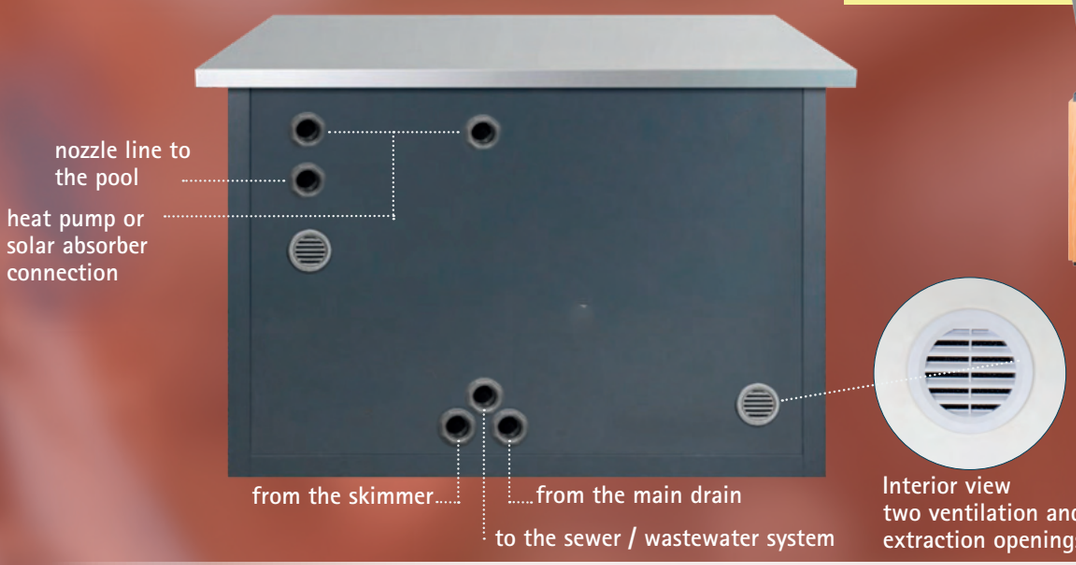
or

Dosing System
MIDA.Sin Salt NET NEW
#30066 (pH/ORP) /
#30067 (pH/free chlorine) (page 98)

two
PE Safety Containers
#392 (page 109)

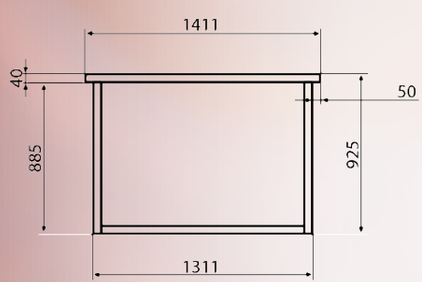
Circulation Pump
InverWarrior 25
#INWAR25 (page 52)

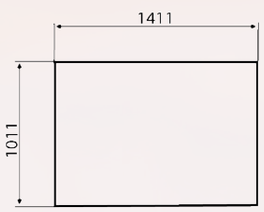
**Elegant wooden cladding**
Made of larch
Material thickness: 27mm
Available on request.

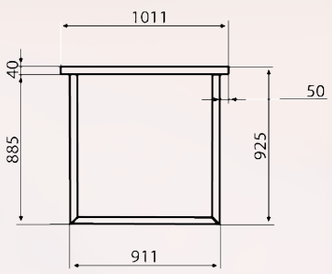





Interior view
two ventilation and air extraction openings




Technical Box Medium without equipment available on request.
Further equipment options (MIDA.Sin NET+, oder MIDA.Sin Salt 2.0) can be reviewed upon request.

| | | | | NEW | NEW | NEW | NEW | NEW | NEW | NEW | NEW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Version 1 | Version 2 | Version 3 | Version 4 | Version 5 | Version 6 | Version 7 | Version 8 | Version 9 | Version 10 |
| Filter | MIDA.Carbon 500 mm (#718) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | |
| | MIDA.Carbon Premium 500 mm (#715) | | | | | | | ✓ | ✓ | ✓ | ✓ |
| Valve | 6-ways-valve 1 ½“ (#310-C) | ✓ | ✓ | | | ✓ | ✓ | | | | |
| | Besgo 1 ½“ DN 40/d 63 (#BE50125) **including** compressor (BEKOMP3) | | | ✓ | ✓ | | | | | | |
| | 6-ways-valve 1 ½“ (#310-C) | | | | | | | | | ✓ | ✓ |
| | Besgo 1 ½“ DN 40/d 50 (#BE50125) **including** compressor (BEKOMP3) | | | | | | | ✓ | ✓ | | |
| Pump | InverWarrior 25 (#INWAR25) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Dosing system | MIDA.Sin NET pH/ORP (#30072) | ✓ | | | | | | | | | |
| | MIDA.Sin NET pH/chlorine (#30073) | | ✓ | | | | | | | | |
| | MIDA.Sin Salt pH/ORP NET (#30064) | | | ✓ | | | | ✓ | | | |
| | MIDA.Sin Salt pH/chlorine NET (#30063) | | | | ✓ | | | | ✓ | | |
| | MIDA.Sin Salt NET pH/ORP (#30066) | | | | | ✓ | | | | ✓ | |
| | MIDA.Sin Salt NET pH/free chlorine (#30067) | | | | | | ✓ | | | | ✓ |
| | **Article Number** | 30007-A | 30007-B | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |

## WALL MOUNTING PLATE

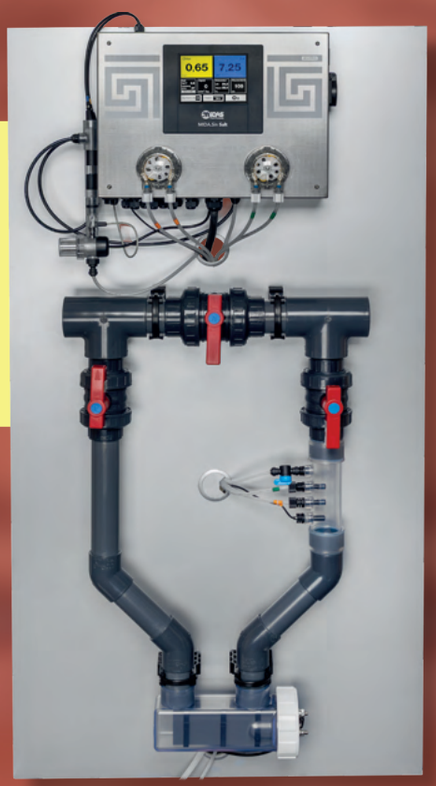
EXCLUSIVE MIDAS

PRICE REDUCTION #30005

- alucobond panel
- 147 x 77 x 2.7 cm
- color: Silver
- with pre-installed bypass d=50 mm and nozzle pipe d=63 mm
- including injection point
- including electrolytic cell with housing
- including MIDA.Sin Salt pH/ORP
- sample water extraction point* included in delivery (must be installed on-site according to manufacturer's specifications)

**Thoroughly tested and ready to plug in**

The wall-mounted panel comes fully assembled and pre-plumbed (excluding the sample water extraction point).
Before shipping, the completed panel is subjected to a 1.5-bar pressure test.



*NEW*
Wall mounting plate with MIDA.Sin Salt 2.0 available from summer 2026.

| Article | Article Number |
|---|---|
| wall mounting plate alucobond, without equipment | 30005 |
| wall mounting plate alucobond mounted, including MIDA.Sin Salt pH/ORP* | 30005-A |

* Please specify the sampling point for water analysis (50 mm or 63 mm) when placing your order.

## TECHNIC WALL

EXCLUSIVE MIDAS

**Discover our customizable technical wall for your pool equipment!**

This high-quality wall, made from durable Röchling plastic panels, provides ample space for your pool technology and ensures an efficient, space-saving installation. It comes pre-plumbed and pressure-tested to 1.5 bar, allowing for a quick and secure start-up. Plus, the compact design fits easily through standard doors, making transport and installation simple.

Optimize your pool system with this flexible and long-lasting solution – perfectly tailored to your needs!

- PP panels
- 2150 x 1500 x 750 mm (#2015)
- 1900 x 1500 x 750 mm (#2016)
- color: white
- with integrated drip trays for 4 canisters (#2015)
- with integrated drip trays for 2 canisters (#2016)

Note: If the technical wall is installed above the water level, a check valve is required.

*INDIVIDUALLY CONFIGURABLE*
fully tailored to your needs

Please feel free to contact our internal sales team or field sales representatives for individual consultation and tailored solutions.

**Thoroughly tested and ready to plug in**

The wall-mounted panel comes fully assembled and pre-plumbed (excluding the sample water extraction point).
Before shipping, the completed panel is subjected to a 1.5-bar pressure test.

sample image

| Article | Dimensions | Article Number |
|---|---|---|
| technic wall without equipment | 2150 x 1500 x 750 mm | 2015 |
| technic wall without equipment | 1900 x 1500 x 750 mm | 2016 |
| technic wall including equipment | selection | on request |

Please specify the piping diameter of the connection when placing your order.

# SHAFT COVERS

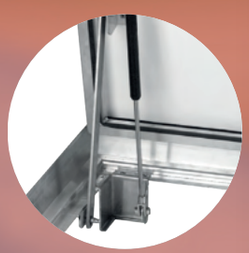
## SHAFT COVERS

Modern lightweight shaft cover.
Significant weight reduction compared to shaft covers filled with concrete.
The tray is lifted via a hinge, greatly reducing the required effort. Equipped with a fall protection device.
Since the concrete filling of the tray is omitted, installation is faster and easier. A free height of 24 mm is available for covering with tiles, slabs, parquet, etc. For thin tiles, height adjustment must be achieved using suitable tile adhesive and waterproof construction boards. Odour-tight and largely waterproof design in very high-quality workmanship. Very attractive surface finish, especially on the visible edges. Discreet corner connectors facilitate the installation of tiles, slabs, and similar materials.
Opening via the lift-off system using the hinge **or** with the support of gas pressure dampers.

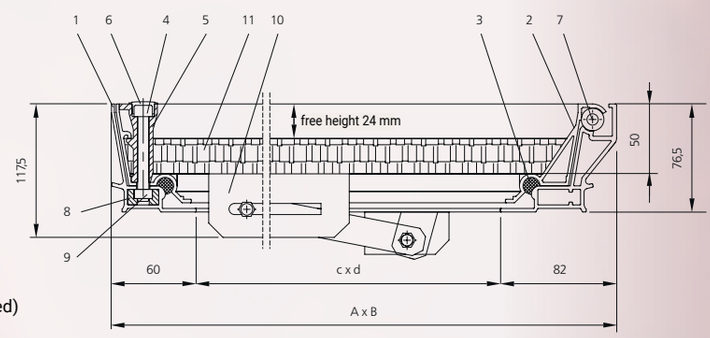
#06403
#06402

**Note**: This shaft cover is **not** completely waterproof.
Special care must be taken on site to ensure a watertight connection on the outer side of the frame. Tiles or slabs must be fully bonded (over the entire surface) using suitable tile adhesive. For thin tiles or slabs, waterproof construction boards must be used to compensate for height differences.

- load class: Class A (15 kN test load) EN 124
- material: Frame made of extruded aluminum profiles, tray made of extruded aluminum profiles bonded with a composite aluminum honeycomb panel (white coated)
- stainless steel screw fittings
- EPDM
- **including** lifting key



1 – Frame
2 – Tray
3 – Seal
4 – Hexagon socket screw (V2A 1.4301 stainless steel)
5 – Cast aluminum part
6 – Cover cap (plastic)
7 – Hinge
8 – Injection-molded part (plastic)
9 – Square nut (V2A 1.4301 stainless steel)
10 – Fall protection device
11 – Aluminum honeycomb panel (white coated)




## WITH LIFT OFF SYSTEM

OPTIMUM OPENING COMFORT THANKS TO GAS PRESSURE DAMPER

| Article | Clear Shaft Dimension | Outer Dimensions | Weight unfilled | Article Number |
|---|---|---|---|---|
| shaft cover with hinges & gas pressure damper | 60 x 60 cm | 72 x 74 cm | 12 kg | 06403 |
| shaft cover with hinges & gas pressure damper | 80 x 80 cm | 92 x 94 cm | 17 kg | 06402 |

## WITH HINGES

| Article | Clear Shaft Dimension | Outer Dimensions | Weight unfilled | Article Number |
|---|---|---|---|---|
| shaft cover with hinges | 60 x 60 cm | 72 x 74 cm | 12 kg | 06400 |
| shaft cover with hinges | 80 x 80 cm | 92 x 94 cm | 17 kg | 06401 |

# STAINLESS STEEL V2A/AISI 304 LADDERS

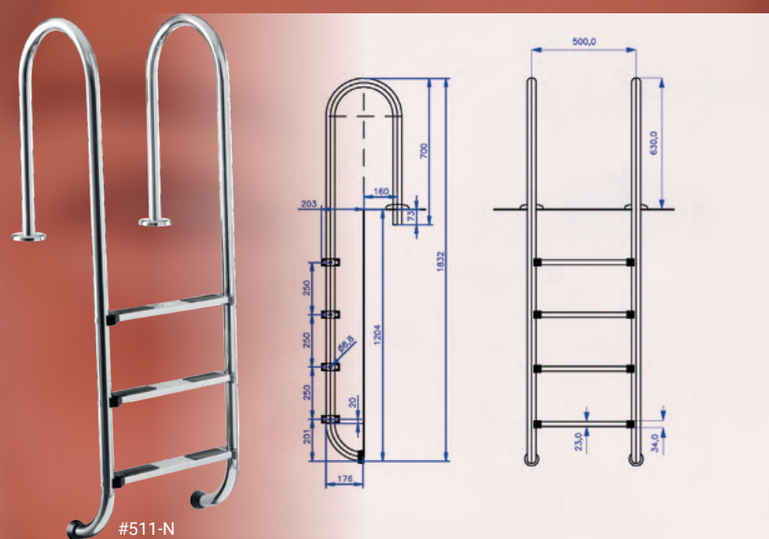
## DEEP POOL LADDER (STAINLESS STEEL V2A/AISI 304) ACCORDING TO DIN EN 16582-1

Material: Stainless steel V2A/AISI 304, polished, handrail Ø 42.4 mm, slip-resistant profiled steps, tread depth 80 mm, vertical step spacing 250 mm, width between handrails 500 mm, projection beyond pool edge approx. 180 mm, handrail height above pool edge approx. 630 mm. Max. load 120 kg. Each step is equipped with two anti-slip EPDM inserts.

## HANDRAIL CURVED NARROW

| Number of steps | Height | Article Number |
|---|---|---|
| 3 | 959 mm | 511-N* |
| 4 | 1224 mm | 512-N* |

*Not suitable for saltwater electrolysis systems.

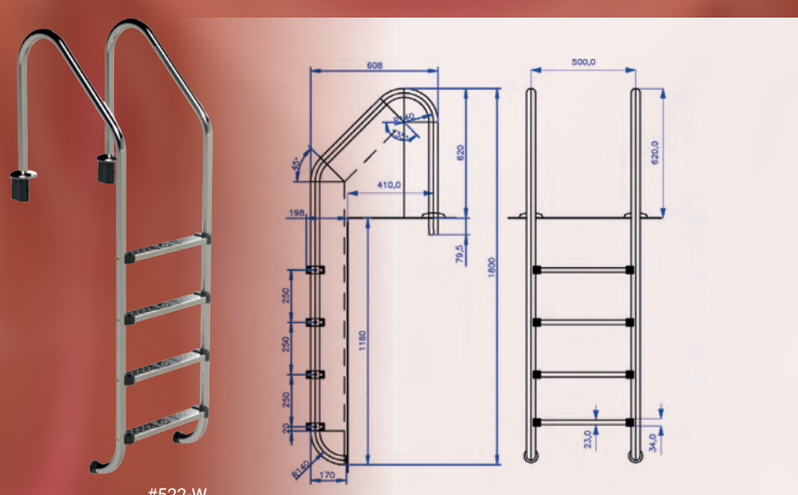


#511-N

## HANDRAIL CURVED WIDE

| Number of steps | Height | Article Number |
|---|---|---|
| 4 | 1224 mm | 522-W* |

*Not suitable for saltwater electrolysis systems.



#522-W

## ACCESSORIES
(FOR HANDRAIL CURVED NARROW AND HANDRAIL CURVED WIDE)

| Article | Article Number |
|---|---|
| flange mounting set, flange fixing, stainless steel V2A/AISI 304, 1 pair for narrow and wide ladders | 510 |

Not suitable for saltwater electrolysis systems.

## HIGH POOL LADDER (STAINLESS STEEL V2A/AISI 304) ACCORDING TO DIN EN 16582-1

Material: Stainless steel V2A/AISI 304, polished, handrail Ø 42 mm, steps and platform made of plastic. Step tread depth approx. 80 mm, platform tread depth approx. 300 mm, max. load: 120 kg, vertical step spacing 230 mm, width between handrails 500 mm, handrail height above platform approx. 500 mm. The steps are ribbed.

#516-H

#518-H

| Number of steps | Pool Height | Article Number |
|---|---|---|
| 3/3 | 1,00 m | 515-H* |
| 4/4 | 1,20 m | 516-H* |
| 4/1 | 1,20 m | 518-H* |

**Not** suitable for saltwater electrolysis systems. /
maximum chloride content: 150 mg/l for stainless steel V2A / AISI 304

## CURVED GRAB RAIL (STAINLESS STEEL V2A/AISI 304)

height: 850 mm; reach (projection): 1200 mm; tube diameter: Ø 43 mm;
material: polished stainless steel V2A / AISI 304

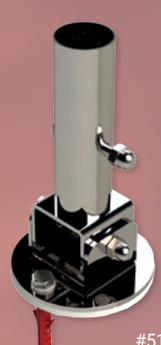
#510.1

| Article | Article Number |
|---|---|
| curved grab rail | 510.1* |

*__Not__ suitable for saltwater electrolysis systems.

## TILTING JOINT FOR LADDER

mounting Set – ladder hinge joint d=43 mm
flange mount for pool ladder
stainless steel V2A / AISI 304 narrow/wide, 1 pair
Suitable for narrow pool ladders, **not** suitable for wide pool ladders.



#511

| Article | Article Number |
|---|---|
| tilt joint | 511* |

**Not** suitable for saltwater electrolysis systems. / maximum chloride content: 150 mg/l for stainless steel V2A / AISI 304

# CASCADE SHOWERS

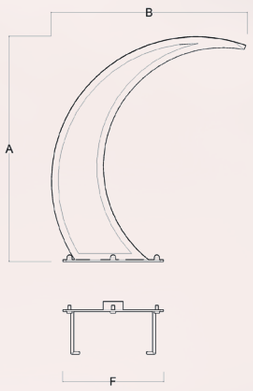
## CASCADE SHOWER COSTA

EXCLUSIVE MIDAS

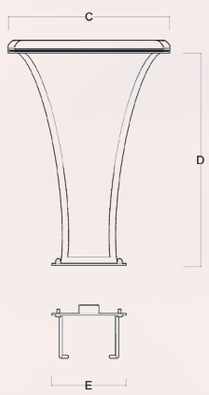
PRICE REDUCTION

- water connection: 2” female thread
- material: stainless steel V4A / AISI 316
- pumps: see from page 50 onwards

**INCLUDES**
Base Plate




| Dimensions | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) |
|---|---|---|---|---|---|---|
| Costa 300 | 650 | 600 | 300 | 560 | 180 | 260 |
| Costa 500 | 700 | 600 | 500 | 660 | 230 | 310 |
| Costa 700 | 800 | 765 | 700 | 730 | 255 | 340 |
| Costa 1000 | 1000 | 900 | 1000 | 950 | 330 | 440 |




| Article | Recommended Pump Capacity | Article Number |
|---|---|---|
| Costa 300 | 5 –18 m³/h | 01.20 |
| Costa 500 | 6 –21 m³/h | 01.21 |
| Costa 700 | 7 –24 m³/h | 01.22 |
| Costa 1000 | 9 –29 m³/h | 01.23 |

## CASCADE SHOWER CASCADE

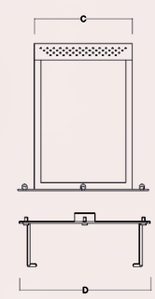
EXCLUSIVE MIDAS

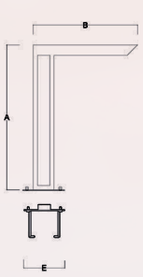
PRICE REDUCTION

- water connection: 2” female thread
- material: stainless steel V4A / AISI 316
- pumps: see from page 50 onwards

**INCLUDES**
Base Plate

Cascade



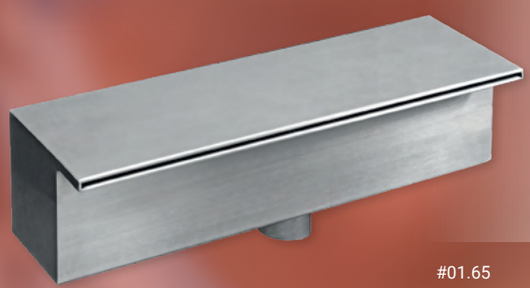

| Dimensions | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) |
|---|---|---|---|---|---|
| Cascade 300 | 700 | 500 | 300 | 400 | 200 |
| Cascade 500 | 700 | 500 | 500 | 600 | 200 |
| Cascade 700 | 700 | 500 | 700 | 800 | 200 |

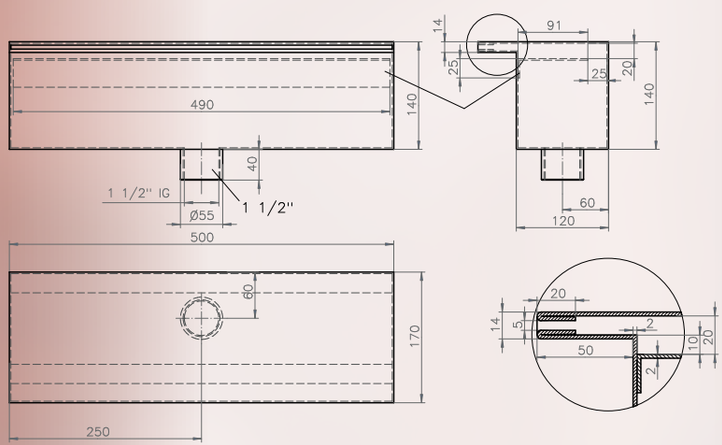
| Article | Recommended Pump Capacity | Article Number |
|---|---|---|
| Cascade 300 | 5 –18 m³/h | 01.50 |
| Cascade 500 | 6 –21 m³/h | 01.51 |
| Cascade 700 | 7 –24 m³/h | 01.52 |

## CASCADE SHOWER TEXAS

PRICE REDUCTION

- wall-mounted
- water connection: 1” female thread
- material: Stainless steel V4A / AISI 316, brushed finish
- height: approx. 140 mm
- spout projection: approx. 490 mm
- pumps: see from page 50 onwards






#01.65

| Article | Recommended Pump Capacity | Article Number |
|---|---|---|
| Texas | 2–3 m³/h | 01.65 |

## CASCADE PIPE FLEXI

PRICE REDUCTION

Refreshment, massage and fun – the stainless steel cascade pipes offer a variety of options. The very robust stainless steel cascade pipes have a pipe diameter of 51 mm and a height of approx. 110 cm. Two different nozzle inserts are available: six-jet round spray and flat spray. The nozzle inserts are already factory-mounted and sealed. A pump capacity of approx. 8 m³/h is recommended.

- water connection: 1 ½” female thread
- waterfall pipe Ø 51 x 1.5 mm x 1100 mm
- 2 different nozzle attachments
- material: Stainless steel V2A / AISI 304
- weight: 6 kg
- pumps: see from page 50 onwards

**TYPE B - round 6-jet spray**

**TYPE C - flat spray**

| Article | Recommended Pump Capacity | Article Number |
|---|---|---|
| Type B | 8 – 10 m³/h | 11.06* |
| Type C | 8 – 10 m³/h | 11.11* |

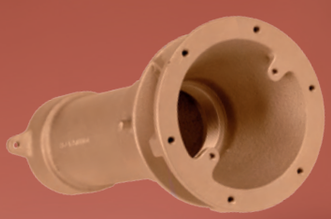
**Not** suitable for saltwater electrolysis systems.

# SUCTION INLETS & PIEZO SWITCHES

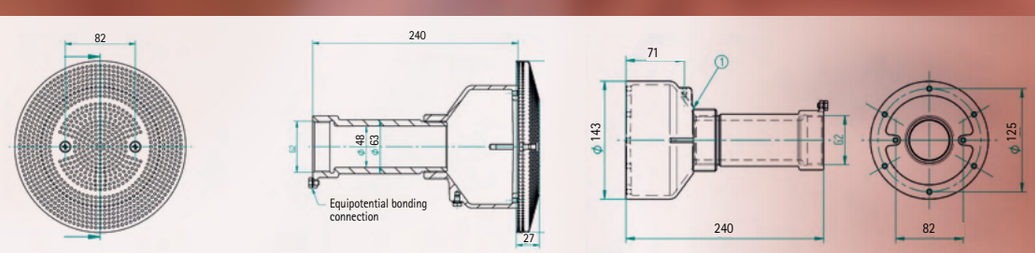
## SUCTION INLET 2“/DN 50

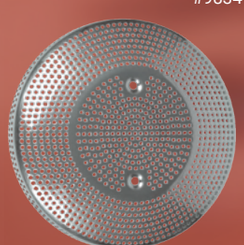
DIN EN compliant

For liner, tiled, and prefabricated pools, featuring a suction strainer made of stainless steel V4A/AISI 316 and a bronze flange set for a separate water circuit (e.g., for water features like waterfall showers). Hair entrapment protection according to DIN EN 13451 and 16713.



#9833
#9834



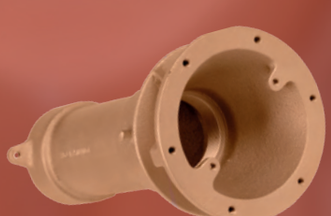
| Material | Connection | Diameter | Max. Flow Rate | Article Number |
|---|---|---|---|---|
| gunmetal* | DN50/2“ | 200 mm | 9,7 m³/h | 9833 |
| bronze** | DN50/2“ | 200 mm | 9,7 m³/h | 9834 |

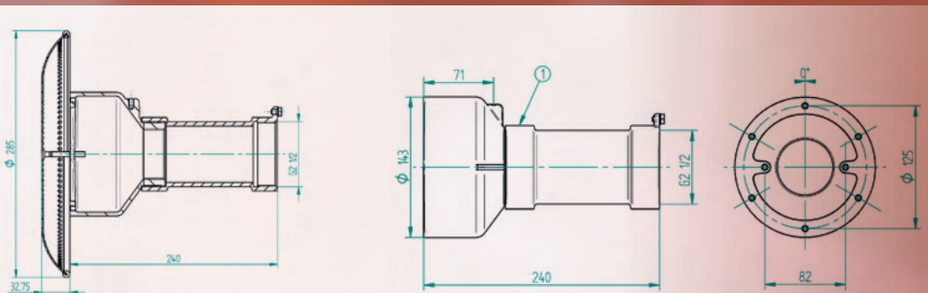
* Not suitable for salt electrolysis ** Max. salt concentration: 6% Max. 750 mg/l chloride content for V4A/AISI 316 stainless steel

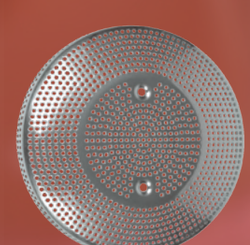
## SUCTION INLET 2 ½“/DN65

DIN EN compliant

For liner, tiled, and prefabricated pools – equipped with a suction strainer made of stainless steel V4A/AISI 316 and a bronze flange set for a separate water circuit for waterfall showers or other water features. Hair entrapment protection in accordance with DIN EN 13451 and 16713.





| Article | Connection | Diameter | Max. Flow Rate | Article Number |
|---|---|---|---|---|
| gunmetal* | DN65 / 2 ½“ | 280 mm | 19,1 m³/h | 9831 |
| bronze** | DN65 / 2 ½“ | 280 mm | 19,1 m³/h | 9832 |

* Not suitable for salt electrolysis ** Max. salt concentration: 6% Max. 750 mg/l chloride content for V4A/AISI 316 stainless steel

## PIEZO SWITCHES

#986-8

#986-9

**Includes** LED illumination. Suitable for liner, tile, polystyrene, concrete, and prefabricated pools. Supplied with 5 m cable, used to switch water features or similar systems on and off. Requires an additional piezo control unit (available in 230 V or 400 V). For liner and tiled pools: Includes mounting sleeve made of red brass or bronze, stainless steel V4A/AISI 316 faceplate, and bronze flange set. For prefabricated pools: Supplied with 1" locknut and hose tail fitting.

| Suitable for | Material | Article Number |
|---|---|---|
| concrete, tile and foil pools | gunmetal* | 986-8 |
| concrete, tile and foil pools | bronze** | 986-8B |
| prefabricated basin | gunmetal* | 986-9 |
| prefabricated basin | bronze** | 986-9B |

* Not suitable for salt electrolysis ** Max. salt concentration: 6% Max. 750 mg/l chloride content for V4A/AISI 316 stainless steel

## PIEZO CONTROL

Control unit between the piezo switch and the target pump

**Includes timer function** for water features, adjustable between 1 – 60 minutes

| Voltage | Power | Fuse | Article Number |
|---|---|---|---|
| 230 V | for 1,1 + 1,3 kW | 5,5 -7,5 A | 986-18 |
| 230 V | for 1,5 + 2,0 kW | 9,0 -11 A | 98311 |
| 400 V | for 1,1 kW | 2,3 - 3,2 A | 98314 |
| 400 V | for 2,2 kW | 4,0 - 6,0 A | 98313 |

### Summer & Winter Switch

This switch allows you to adjust the sensitivity of the piezo switch and the pump performance based on seasonal conditions.

Summer Mode:
higher sensitivity, stronger flow
Winter Mode:
adjusted sensitivity, frost protection, reduced performance for energy savings

## AIR BLOWER

Pumps designed for bubble baths and swimming pools, water treatment, car drying, ventilation / dust extraction, etc. Blower pumps constructed entirely in aluminum and suitable for continuous operation. Single stage side channel pumps, without any maintenance.
Includes inlet and outlet silencers.

| Article Number | Max. Flow m³/h | kW | HP | V | dB | Connections | Weight | Applications |
|---|---|---|---|---|---|---|---|---|
| 790M | 145 | 0,85 | 1,2 | 230 | 63 | 1¹/₂" | 16,0 kg | 10 Jets |
| 791M | 145 | 1,3 | 1,8 | 230 | 63 | 1¹/₂" | 17,0 kg | 10 Jets |
| 791T | 145 | 1,3 | 1,8 | 400 | 63 | 1¹/₂" | 17,0 kg | 10 Jets |
| 792M | 210 | 1,3 | 1,8 | 230 | 64 | 2" | 22,0 kg | 20 Jets |
| 792T | 210 | 1,3 | 1,8 | 400 | 64 | 2" | 22,0 kg | 20 Jets |
| 793M | 210 | 1,5 | 2,0 | 230 | 64 | 2" | 24,0 kg | 20 Jets |
| 793T | 210 | 1,6 | 2,2 | 400 | 64 | 2" | 23,0 kg | 20 Jets |
| 794T | 318 | 2,2 | 3,0 | 400 | 69 | 2" | 30,0 kg | 20 Jets |

# 09

# INSTALLATION COMPONENTS

*HIDDEN MASTERPIECES FOR FLAWLESS POOL PERFORMANCE.*

*Built-in components are the invisible heroes of your pool – ensuring efficient water circulation and crystal-clear water. From the* **slim Line skimmer** *to the* **main drain** *and* **wall inlet***: every detail plays a crucial role in smooth system performance.*

*With* **MIDAS built-in components***, you choose premium quality in* **gunmetal**, **stainless steel**, **bronze**, *and* **plastic** *– for a durable, elegant solution. New to the range are Slim Line skimmers, main drains, and return inlets in the exclusive colors* **light gray** *and* **anthracite**, *adding a refined touch to your pool.*

*Trust the* **invisible masterpieces** *from MIDAS – for a pool that excels in both performance and design.*

## OVERVIEW


**SKIMMERS**

P. 214 Slim Line skimmer stainless steel

NEW P. 215 MIDA.Slim skimmer

P. 216 ABS skimmer

**INLET NOZZLES & FLOOR DRAIN**

P. 217 Inlet nozzles

NEW P. 218 Floor drain

# SKIMMER

## SLIM LINE SKIMMER
MATERIAL: ENTIRELY MADE OF V4A/AISI 316L STAINLESS STEEL

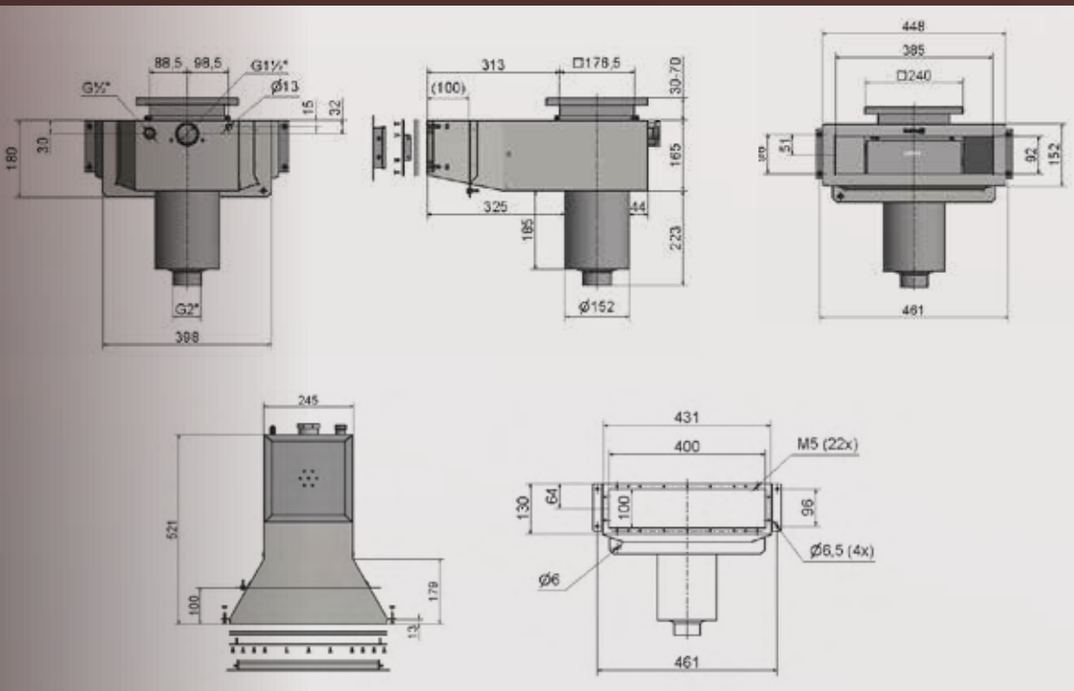
PRICE REDUCTION

### ELEGANCE IN STAINLESS STEEL

This Slim Line skimmer has an exclusive design and enables a high water level. Good circulation of the pool and efficient suction of the water surface is possible with this model, and the material is very robust, durable and resistant to chemicals. The polished front gives it a special shine. No screws are visible in the top view of the front panel, which ensures an elegant appearance.

- suction opening 385 x 92 mm (448 x 152 mm outer dimensions)
- polished visible surface without screws
- skimmer flap also made of V4A stainless steel
- integrated wall collar
- for concrete and tiled pools (#0258), including flange, gaskets, and M5x12 screws for liner pools
- for prefabricated pools with 6° slope (#0259)
- 2“ female thread connection, vertical
- 1 ½“ female thread connection for overflow
- ½“ female thread connection for refilling
- d=13 mm connection for water level regulator
- total installation depth: 521 mm
- skimmer neck depth: 313 mm
- maximum flow rate: 12 m³/h
- high-capacity and efficient filter basket
- height-adjustable collar: 30–70 mm

#0258 / #0259




| Article | Article Number |
|---|---|
| Slim Line skimmer V4A for concrete and liner pools | 0258* |
| Slim Line skimmer V4A for prefabricated pools with 6° slope | 0259* |

*Note: max. 250 mg/l chloride content – salt electrolysis **is not** recommended

# MIDA.SLIM SKIMMER
## MATERIAL: ABS PLASTIC

**NEW**
#0263
#0264

EXCLUSIVE MIDAS

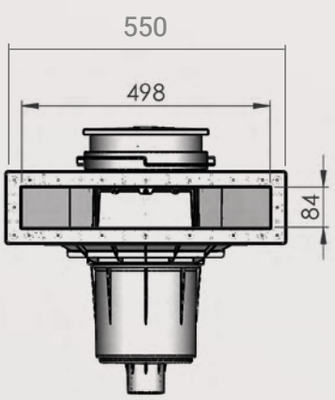
PRICE REDUCTION
#0254
#0254-E1

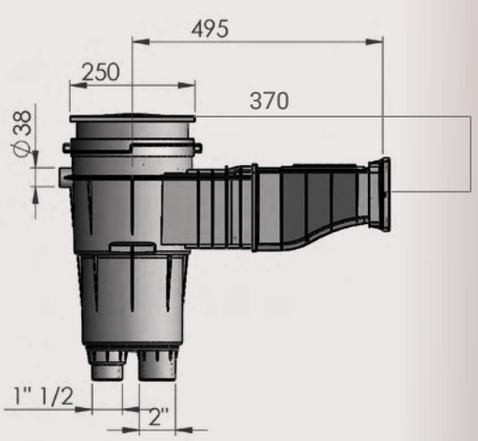
- suction opening: 498 x 95 mm (550 x 135 mm outer dimensions)
- impresses with a new design and modern functionality
- exceptionally robust, made from high-quality ABS
- **includes** ABS cover panel for concrete pools or, with flange, gaskets, V4A stainless steel screw set, and cover panel for installation in liner, GFRP, PP, and sectional pools
- with integrated threaded inserts for flange attachment (for prefabricated pools, longer screws may be required depending on wall thickness)
- color: white
- installation depth: 620 mm
- skimmer neck depth: 370 mm
- connection: 2" and 1 ½" female thread (vertical outlet)
- flow rate: 7 – 10 m³/h
- provision for 32 mm overflow connection
- 25 mm height-adjustable lid for adaptation to the pool edge

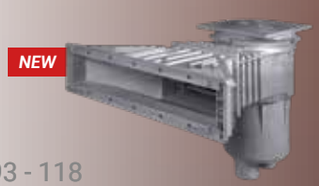
#0254

### AVAILABLE IN THE FOLLOWING COLORS:

#0254-E1



NEW

#0263**

NEW

#0264**



| | Article | Color | Article Number |
|---|---|---|---|
| | MIDA.Slim ABS plastic skimmer for liner pools (**including** flange set) | white | 0254 |
| NEW | MIDA.Slim ABS plastic skimmer for liner pools (**including** flange set) | light gray | 0263 |
| NEW | MIDA.Slim ABS plastic skimmer for liner pools (**including** flange set) | anthracite | 0264 |
| | cover made of stainless steel V4A/AISI 316L for MIDA.Slim skimmer ABS suction opening: 495 x 78 mm, dimensions: 560 x 140 x 17 mm | stainless steel | 0254-E1* |

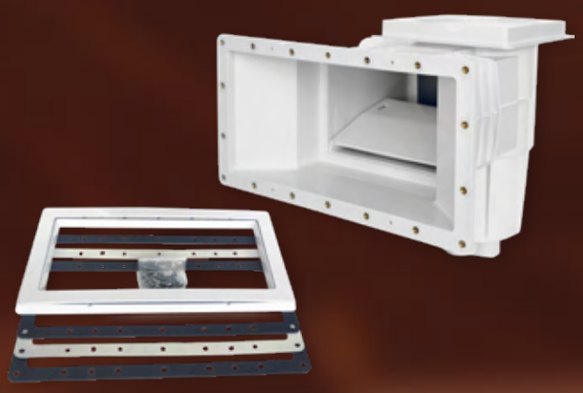
*Not suitable for salt electrolysis

## ABS WIDE-MOUTH SKIMMER DELUXE

EXCLUSIVE MIDAS

PRICE REDUCTION

- **material:** ABS plastic,
- surface skimmer for **liner and prefabricated pools**
- universal skimmer connection with adhesive socket d 50 (sealed) and 1 ½" female thread, 2" male thread
- with brass inserts
- **overflow connection:** Ø 40 mm
- **flap opening:** 353 x 167 mm
- **flow rate:** 7 m³/h., color: white



#0250FG

| Suitable for | Article Number |
|---|---|
| foil/prefabricated pools (flange set) | 0250FG |

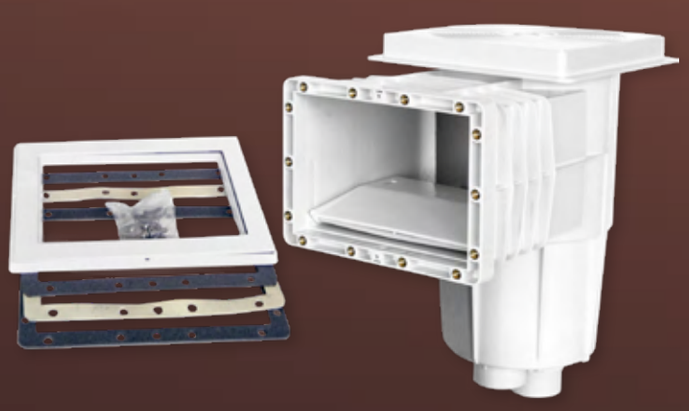
For prefabricated pools, longer screws may be required depending on the wall thickness.

## ABS SKIMMER STANDARD

EXCLUSIVE MIDAS

PRICE REDUCTION

- **material:** ABS plastic
- surface skimmer for
- **liner and prefabricated pools**, universal skimmer
- connection with adhesive socket d 50 (sealed)
- 1 ½" female thread, 2" male thread
- with brass inserts
- **overflow connection** Ø 40 mm
- **flap opening:** 208 x 140 mm
- **flow rate:** 7 m³/h.
- color: white



#0249FG

| Suitable for | Article Number |
|---|---|
| foil/prefabricated pools (flange set) | 0249FG |

For prefabricated pools, longer screws may be required depending on the wall thickness.

## ABS MINI SKIMMER

EXCLUSIVE MIDAS

- **material:** ABS plastic
- with inlet nozzle, vacuum plate, cover
- skimmer connections: Ø 32 mm and Ø 38 mm
- supplied with flange, gaskets, and screws
- suitable for all steel wall pools
- **flow rate:** 5 m³/h
- **color:** white

| Suitable for | Article Number |
|---|---|
| steel wall pool | 620-S |



Spare parts for skimmers #0250FG, #0249FG, and #620-S available on request.

# INLET NOZZLES AND MAIN DRAINS

### Note on the safety and functionality of main drains

For optimal safety and efficiency, we recommend installing at least two main drains in swimming pools.

- **SAFETY**
  Distributing the suction across multiple drains minimizes the risk of entrapment, enhancing swimmer protection.
- **RELIABILITY**
  If one drain becomes blocked, the second remains operational, ensuring continuous water drainage.
- **OPTIMAL WATER CIRCULATION**
  Two drains improve water circulation and support the filtration system, contributing to consistent water quality.

This measure complies with common safety regulations and helps ensure the long-term functionality of the pool.

## INLET NOZZLES FLANGE SET

DIN EN compliant

With cover and ball 4 x 8 mm, material: stainless steel V4A/AISI 316L
for wall ducts items 03.32, 03.32-B, 03.33, 03.33-B, 03.00 and 03.00-B.

| Suitable for | Material | Article Number |
|---|---|---|
| liner pool (**including** flange set) | bronze** | 03.34-B |

** max. salt concentration: 6 % max. 750 mg/l chloride content for V4A stainless steel

#03.34-B

## INLET NOZZLES WITH FLANGE SET

DIN EN compliant

2" male thread, with orifice and ball 4 x 8 mm

material: stainless steel V4A/AISI 316L

| Suitable for | Material | Length | Article Number |
|---|---|---|---|
| liner pool (**including** flange set) | gunmetal* | 40 mm | 03.22 |
| liner pool (**including** flange set) | bronze** | 40 mm | 03.22-B |
| liner pool (**including** flange set) | gunmetal* | 70 mm | 03.24 |
| liner pool (**including** flange set) | bronze** | 70 mm | 03.24-B |

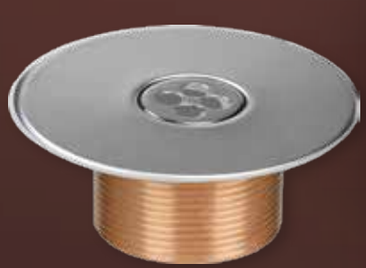
* not suitable for salt electrolysis ** max. salt concentration: 6 %
max. 750 mg/l chloride content for V4A stainless steel

#03.22

## INLET NOZZLES WITHOUT FLANGE SET

2" male thread, with orifice and ball 4 x 8 mm, material: stainless steel V4A/AISI 316L

| Suitable for | Material | Length | Article Number |
|---|---|---|---|
| tile and prefabricated pools (**without** counter set) | gunmetal* | 40 mm | 03.20 |
| tile and prefabricated pools (**without** counter set) | bronze** | 40 mm | 03.20-B |
| tile and prefabricated pools (**without** counter set) | gunmetal* | 70 mm | 03.21 |
| tile and prefabricated pools (**without** counter set) | bronze** | 70 mm | 03.21-B |



#03.20



* not suitable for salt electrolysis ** max. salt concentration: 6 %
max. 750 mg/l chloride content for V4A stainless steel

## COUNTER SET FOR PREFABRICATED POOLS

2” female thread, including seal

#03.25

| Article | Material | Article Number |
|---|---|---|
| counter set for prefabricated pools | gunmetal* | 03.25 |

* not suitable for salt electrolysis max. 750 mg/l chloride content with V4A stainless steel

## FLOOR DRAIN 90° OUTLET

DIN EN compliant

1 ½“ and 2” female thread, with anti-vortex cover Ø 168 mm, material: stainless steel V4A/AISI 316L.

#03.11-F

#03.19-F

| Suitable for | Material | Article Number |
|---|---|---|
| 2“ liner pool (**including** flange set)*** | gunmetal* | 03.19-F |
| 1 ½“ liner pool (**including** flange set) | gunmetal* | 03.11-F |
| 2“ liner pool (**including** flange set)*** | bronze** | 03.19-FB |
| 1 ½“ liner pool (**including** flange set) | bronze** | 03.11-FB |

* not suitable for salt electrolysis ** max. salt concentration: 6 %
***not compliant with DIN EN max. 750 mg/l chloride content for V4A stainless steel

## FLOOR DRAIN VERTICAL OUTLET

DIN EN compliant

1 ½“ female thread, with anti-vortex cover Ø 168 mm
material: Stainless steel V4A/AISI 316L, Ø 168 mm

#03.18-F

| Suitable for | Material | Article Number |
|---|---|---|
| prefabricated pool (**including** counter flange) | gunmetal* | 03.18-FE |
| liner pool (**including** flange set) | gunmetal* | 03.18-F |
| prefabricated pool (**including** counter flange) | bronze** | 03.18-FEB |
| liner pool (**including** flange set) | bronze** | 03.18-FB |



* not suitable for salt electrolysis ** max. salt concentration: 6 %
max. 750 mg/l chloride content for V4A stainless steel

## WALL DUCTS

2 x 1 ½“ and 2 x 2“ female thread, for tile and liner pools

| Material | Length | Article Number |
|---|---|---|
| 2 x 1 ½“ gunmetal* | 240 mm | 03.00 |
| 2 x 2“ gunmetal* | 240 mm | 03.32 |
| 2 x 2“ gunmetal* | 300 mm | 03.33 |
| 2 x 1 ½“ bronze** | 240 mm | 03.00-B |
| 2 x 2“ bronze** | 240 mm | 03.32-B |
| 2 x 2“ bronze** | 300 mm | 03.33-B |

* not suitable for salt electrolysis ** max. salt concentration: 6 %

#03.00

## 2“ WALL BUSHING

EXCLUSIVE MIDAS

PRICE REDUCTION

material: PVC, for concrete pools, 300 mm long, back 2“ AG, also available individually. color: gray

| Front | PU | Article Number |
|---|---|---|
| 2“ female thread | 48 | 0324 |

#0324

## INLET NOZZLE MULTIFLOW

NEW #0332 #0333

EXCLUSIVE MIDAS

PRICE REDUCTION #0331

Inlet nozzle for concrete and liner pools,
for screwing in with 2“ male thread and 50 mm internal glue joint,
ball diameter 3x 7.95 mm, flow rate ~2.2 m³/h,
<u>including</u> flange, gasket and stainless steel screws
and gasket with lock nut,
complies with standard DIN EN 16582-1/4.5.2.2
material: ABS plastic, color: white, also available individually

COMPLIANT WITH DIN EN 16582-1

total volume

#0331

#0332**

#0333**

### AVAILABLE IN THE COLORS:

white

NEW bright gray*

NEW anthracite*

| Suitable for | Connections | PU | Color | Article Number |
|---|---|---|---|---|
| concrete/liner pool | d 50 mm/2“ AG | 48 | white | 0331 |
| NEW concrete/liner pool | d 50 mm/2“ AG | 48 | light gray | 0332* |
| NEW concrete/liner pool | d 50 mm/2“ AG | 48 | anthracite | 0333* |

## INLET NOZZLE
### MULTIFLOW ADJUSTABLE

PRICE REDUCTION #0295F

Adjustable inlet nozzle for prefabricated pools, screw-in with 2" male thread and 50 mm adhesive connection inside. Size and flow rate are adjustable with a ball cutter, ball diameters 14-20-25 mm, flow rate 2.2 m³/h - 4.5 m³/h - 7.0 m³/h. Includes gasket and counter nut.

Note: To meet the requirements of standard DIN EN 16582-1/4.5.2.2, the ball hole must be enlarged to 25 mm. Material: ABS plastic, Color: White, also available individually.

#0295F

| Suitable for | Connections | PU | Article Number |
|---|---|---|---|
| prefabricated pool | d 50 mm/2" AG | 48 | 0295F |

## 2" FLOOR INLET NOZZLE

EXCLUSIVE MIDAS

PRICE REDUCTION

material: ABS plastic, Ø 109 mm, 360° regulation of fresh water flow, maximum recommended flow rate is 12.0 m³/h, chemical-resistant, supplied with gaskets & screws, for liner/prefabricated pools with flange, connections include internal adhesive socket with diameter d 50 mm and 2" male thread, also available individually. Color: white

#2825F

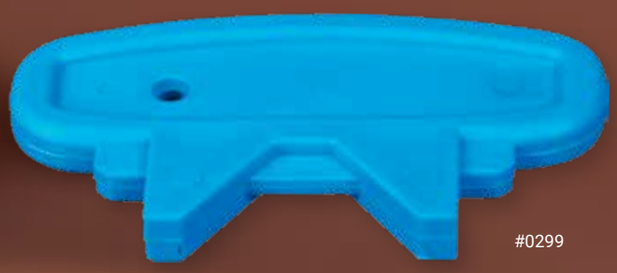
| Suitable for | Connections | PU | Article Number |
|---|---|---|---|
| concrete/liner pool | d 50 mm/2" AG | 48 | 2825F |

For prefabricated pools, longer screws may be required depending on the wall thickness.

## KEY FOR INLET NOZZLE
MULTIFLOW

EXCLUSIVE MIDAS

material: ABS plastic, suitable only for Multiflow type & #0331, #0295-F



#0299

| Article | Article Number |
|---|---|
| key blue | 0299 |

## 2" FLOOR DRAIN

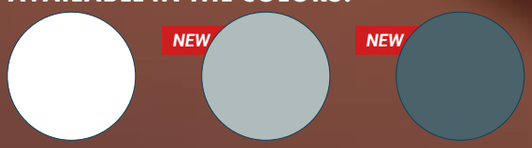
NEW #1469 #1470

EXCLUSIVE MIDAS

PRICE REDUCTION #1467F

material: ABS plastic, Ø 170 mm, with side 2" female thread connection,
lid is removable,
maximum flow rate 15 m³/h
at least 2 main drains per pool are recommended,
supplied with gaskets & screws
for liner/prefabricated pools with flange
also available individually
color: white

**AVAILABLE IN THE COLORS:**



white | NEW bright gray* | NEW anthracite*

#1467F

#1469*

#1470*

| Suitable for | Connections | PU | Color | Article Number |
|---|---|---|---|---|
| concrete/liner pool | 2" internal thread | 8 | white | 1467F |
| NEW concrete/liner pool | 2" internal thread | 8 | light gray | 1469* |
| NEW concrete/liner pool | 2" internal thread | 8 | anthracite | 1470* |

For prefabricated pools, longer screws may be required depending on the wall thickness.

# 10

# POOL LIGHTING

*LIGHT ART FOR UNFORGETTABLE POOL MOMENTS*

*Transform your pool with the exclusive* **Vision Allegro LED lighting** *into a glowing masterpiece. A fascinating play of colors envelops the water at night in a dynamic, sensual atmosphere and creates unparalleled elegance.*

*With outstanding* **energy efficiency** *and flexible compatibility with various control systems and trims, the* **Vision Allegro LED lights** *integrate seamlessly into any design concept and guarantee a perfect lighting presentation.*
*The* **ultra-flat cover** *trims, with their minimalist design, create elegant accents and blend almost invisibly into the architecture of your pool – a perfect symbiosis of* **functionality** *and* **luxury**.

*Give your pool a* **magical atmosphere** *with this modern lighting solution, bathing your outdoor area in a unique, luxurious glow.*

## OVERVIEW


**LED LIGHTS & ACCESSORIES**

P. 225 VISION Allegro LED lights
P. 226 ADAGIO$^{PRO}$ LED lights
P. 227 Spectra LED lights
NEW P. 228 Wall fittings & adapter

**SPARE PARTS**

P. 235 Connection set
P. 235 Flat gasket

**COVER PLATES**

P. 231 Model Ultra Flat
P. 232 Model RF & Model RO
P. 233 Model RA & Model RN
P. 234 Model RB & Model RD

**ACCESSORIES**

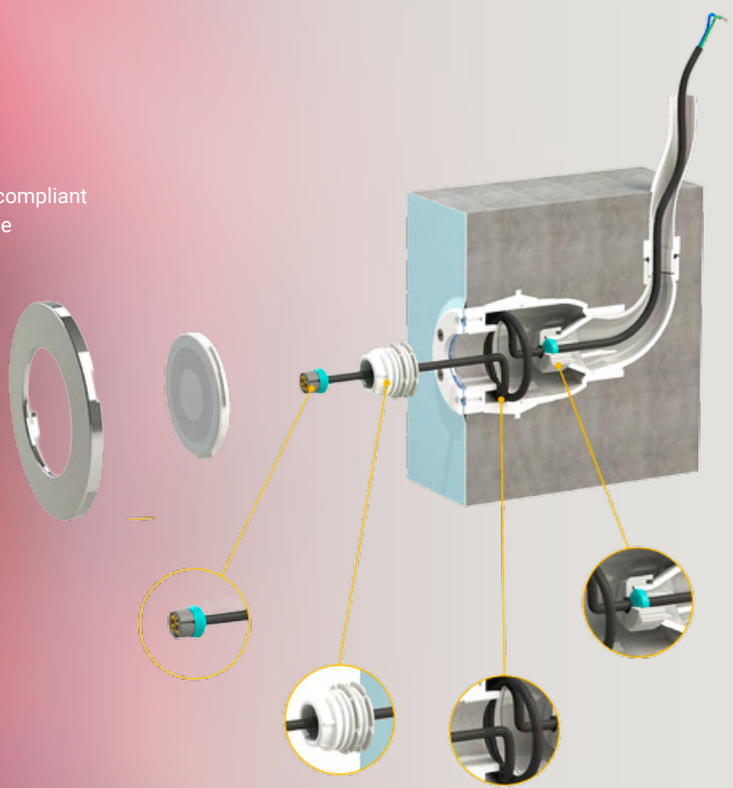
NEW P. 236 Controllers and transformers
P. 239 Underwater spotlights
P. 240 LED replacement lights
P. 241 General accessories

# LED LIGHTS & ACCESSORIES

The lighting system consists of coordinated components:

- LED light
- wall fitting (pool-dependent)
- finishing / trim rings

All elements are technically compatible and ensure safe, standards-compliant installation. The modular concept allows individual components to be replaced without changing the entire system.



Flexible areas of application:

- Suitable for various pool types (concrete, liner, prefabricated pools – depending on the wall fitting version)
- Suitable for both new builds and renovations
- Compatible with existing installations when appropriately prepared

State-of-the-art LED technology:

- High light output
- Long service life
- Consistent light quality
- Low heat generation

Energy efficiency:

- Optimized power consumption with high light intensity.
- Reduced operating costs and sustainable system operation.

## COMPARISON TABLE OF THE LIGHTS

| | Ø | Color | Lumen Lm | Power | Article Number |
|---|---|---|---|---|---|
| VISION ALLEGRO | 170 mm | RGBW | 3.800 | 50 W / 12 V | 652-RGBW |
| | 100 mm | RGBW | 1.900 | 25 W / 12 V | 651-RGBW |
| | 50 mm | RGBW | 650 | 10 W / 12 V | 650-RGBW |
| ADAGIO$^{PRO}$ | 170 mm | white 5.000 K | 5.500 | 57 W/12 V | 675-W |
| | 170 mm | warm white 3.300 K | 4.950 | 55 W/12 V | 675-WW |
| | 100 mm | white 5.000 K | 2.600 | 25 W/12 V | 676-W |
| | 100 mm | warm white 3.300 K | 2.400 | 23 W/12 V | 676-WW |
| | 50 mm | white 5.000 K | 750 | 8 W/12 V | 677-W |
| | 50 mm | warm white 3.300 K | 700 | 8 W/12 V | 677-WW |
| SPECTRA | 170 mm | cool white or warm white or blue 3.000 K-6500 K | 2.400 | 32 W/12 V | 655-W |
| | 170 mm | RGB | 2.450 | 32 W/12 V | 655-RGB |
| | 100 mm | cool white or warm white or blue 3.000 K -6.500 K | 1.500 | 20 W/12 V | 656-W |
| | 100 mm | RGB | 1.500 | 20 W/12 V | 656-RGB |
| | 50 mm | cool white or warm white or blue 3.000 K -6.500 K | 550 | 8 W/12 V | 657-W |
| | 50 mm | RGB | 450 | 8 W/12 V | 657-RGB |

# VISION ALLEGRO LED LIGHTS

3 YEARS MANUFACTURER WARRANTY

## VISION ALLEGRO LED LIGHTS *
ALSO AVAILABLE INDIVIDUALLY

ENERGY-SAVING

The Vision Allegro underwater lights impress with their ultra-flat design, high brightness, and very even pool illumination. Multiple lights can be operated in parallel.

Wall fittings allow for quick and easy installation. Cover plates in various materials and shapes enhance these underwater lights. With just one click on your remote control, you can give your pool a completely new look.

- Vision Allegro available in 3 diameters: 50 mm, 100 mm, and 170 mm in RGBW
- suitable for most 1 ½" wall fittings
- waterproof resin-filled NoAir™ housing
- 3 m cable 2x1 mm² for 50 mm, 2x1.5 mm² for 100 mm and 2x 2,5 mm² for 170 mm, removable
- 170 mm version: compatible with PAR56 installation housing
- resin-filled NoAir™ housing
- easy to install
- protection class IP68 (measured at 3 m depth)
- protection rating III
- free choice of color
- dimmable (depending on controller)
- Link Touch compatible (#3603 Page 236)
- DMX512 and RS485 compatible
- automatic synchronization
- water temperature up to +40°C
- must be protected from frost
- suitable for all types of pools
- suitable for salt electrolysis (high-quality polymer)
- patented technology
- lens: matte

QuickConnect™

PressFit™

NoAir™

ClickOn™

Ultra Flat

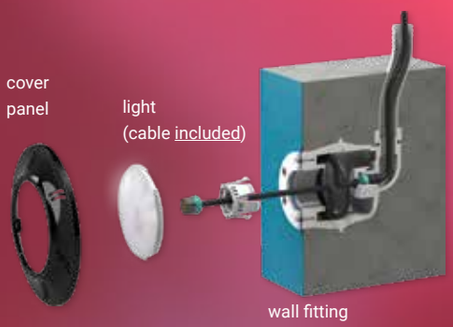
RS-485

| Ø | Color | Lumen Lm | Power | PU | Article Number |
|---|---|---|---|---|---|
| 170 mm | RGBW | 3.800 | 50 W / 12 V | 6 | 652-RGBW |
| 100 mm | RGBW | 1.900 | 25 W / 12 V | 6 | 651-RGBW |
| 50 mm | RGBW | 650 | 10 W / 12 V | 6 | 650-RGBW |

*Matching cover plates available from page 231

# ADAGIO[PRO] LED LIGHTS

3 YEARS MANUFACTURER WARRANTY




Vision Allegro and ADAGIO[PRO] underwater lights impress with their ultra-flat design, high luminosity and very uniform pool illumination. Several lights can be operated in parallel. Wall feed-throughs enable quick and easy installation. Cover panels in many materials and shapes enhance these underwater lights. With just one click on your remote control, you can give the pool a completely different look.

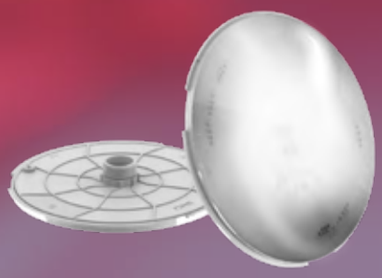
- ADAGIO[PRO] 3 diameters available: 50 mm, 100 mm and 170 mm as white or warm white

- suitable for most 1 ½“ wall ducts
- 170 mm version: compatible with PAR56 recessed pot
- NoAir™ housing filled with resin
- detachable Vision Allegro cable: 2 x 1 mm² for 50 mm, 2 x 1.5 mm² for 100 mm, 2 x 2.5 mm² for 170 mm, each 2 m long included in the scope of delivery
- detachable AdagioPro cable: 4 m 2 x 1 mm² for 50 + 100 mm, 4 m 2 x 1.5 mm² for 170 mm included in the scope of delivery
- very wide beam angle 120° for optimum pool illumination
- easy to install
- protection class IP68 (measured at a depth of 3 m)
- protection class III
- water temperature from –5°C to +40°C
- suitable for all pool types
- suitable for salt electrolysis (high-quality polymer)
- lens: matte

## ADAGIO[PRO] LED LIGHTS – PAR 56*

ALSO AVAILABLE INDIVIDUALLY.

ENERGY-SAVING



170 mm

| Ø | Color | Lumen Lm | Power | PU | Article Number |
|---|---|---|---|---|---|
| 170 mm | white 5.000 K | 5.500 | 57 W/12 V | 6 | 675-W |
| 170 mm | warm white 3.300 K | 4.950 | 55 W/12 V | 6 | 675-WW |

## ADAGIO[PRO] LED LIGHTS*

ALSO AVAILABLE INDIVIDUALLY.

ENERGY-SAVING

100 mm

| Ø | Color | Lumen Lm | Power | PU | Article Number |
|---|---|---|---|---|---|
| 100 mm | white 5.000 K | 2.600 | 25 W/12 V | 6 | 676-W |
| 100 mm | warm white 3.300 K | 2.400 | 23 W/12 V | 6 | 676-WW |
| 50 mm | white 5.000 K | 750 | 8 W/12 V | 6 | 677-W |
| 50 mm | warm white 3.300 K | 700 | 8 W/12 V | 6 | 677-WW |

50 mm



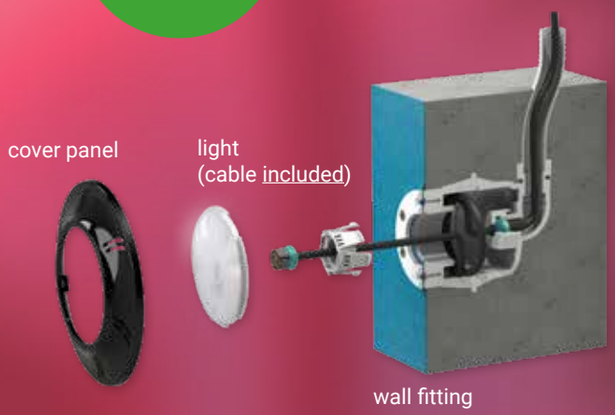
*Matching cover plates available from page 231

# SPECTRA LED LIGHTS

2 YEARS MANUFACTURER WARRANTY**

SPECTRA underwater lights impress with their ultra-flat design, high luminosity and very uniform pool illumination. Several lights can be operated in parallel. Wall bushings enable quick and easy installation. Cover panels in many materials and shapes enhance these underwater lights. With just one click on your remote control, you can give the pool a completely different look - different shades of white can be selected as well as 11 different RGB colors.

- 3 diameters available: 50 mm, 100 mm and 170 mm
- suitable for most 1 ½“ wall bushings
- 170mm version: compatible with PAR56 recessed pot
- NoAir™ housing filled with resin: no ingress of water
- suitable for salt electrolysis due to the use of high-quality polymers
- detachable, 2 m cable 2 x 1 mm² included in the scope of delivery
- programmable (RGB): – cool white
  - neutral white mm2
  - warm white
  - 11 RGB colors with soft transitions
- very wide beam angle 120° for optimum pool illumination
- easy to install
- protection class IP68 (measured at a depth of 3 m), protection rating III
- water temperature from -5°C to +40°C
- suitable for all pool types
- suitable for salt electrolysis (high-quality polymer)
- same color gradient after switching on again or after power interruptions
- lens: clear



## SPECTRA LED LIGHT – PAR 56*
ALSO AVAILABLE INDIVIDUALLY

ENERGY-SAVING

| Ø | Color | Lumen Lm | Power | PU | Article Number |
|---|---|---|---|---|---|
| 170 mm | cool white or warm white or blue 3.000 K-6500 K | 2.400 | 32 W/12 V | 6 | 655-W |
| 170 mm | RGB | 2.450 | 32 W/12 V | 6 | 655-RGB |

170 mm

## SPECTRA LED LIGHT*
ALSO AVAILABLE INDIVIDUALLY

ENERGY-SAVING

| Ø | Color | Lumen Lm | Power | PU | Article Number |
|---|---|---|---|---|---|
| 100 mm | cool white or warm white or blue 3.000 K -6.500 K | 1.500 | 20 W/12 V | 6 | 656-W |
| 100 mm | RGB | 1.500 | 20 W/12 V | 6 | 656-RGB |
| 50 mm | cool white or warm white or blue 3.000 K -6.500 K | 550 | 8 W/12 V | 6 | 657-W |
| 50 mm | RGB | 450 | 8 W/12 V | 6 | 657-RGB |

100 mm

50 mm



*Matching cover plates available from page 231

**on all Spectra and Spectra-PAR56 lights

# WALL FITTINGS

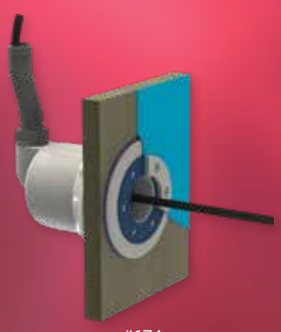
## WALL FITTINGS

### FOR VISION[PRO], VISION ALLEGRO, ADAGIO[PRO] AND SPECTRA

depending on the length of the wall bushing, 50-100 cm of cable can be stowed inside, also available individually

#670 / #671

#672 / #673



#674

#675

| | 673 | 674 | 670 | 672 | 671 | 675 |
|---|---|---|---|---|---|---|
| length | 276 mm | 160 mm | 129,5 mm | 152 mm | 247 mm | 130 mm |
| material | ABS plastic | ABS plastic | ABS plastic | ABS plastic | ABS plastic | stainless steel V4A/AiSi 316L |
| connection | 50/63 mm | ¾“ flex tube | ¾" flex tube | 50/63 mm | ¾" flex tube | ¾“ flex tube |
| sealing | - | cable gland | cable gland | - | cable gland | cable gland |
| for concrete, tile and liner pools | ✓ | - | ✓ | ✓ | ✓ | ✓ |
| for prefabricated, wooden and steel wall pools | | ✓ | | | | - |
| for polystyrene pools | ✓ | | ✓ | ✓ | | ✓ |
| **including** flange, seal, screws | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| **including** lock nut | - | ✓ | - | - | - | - |
| **including** Flex tube ¾" | - | ✓ | ✓ | - | ✓ | ✓ |
| PU | 6 | 6 | 6 | 6 | 6 | 6 |

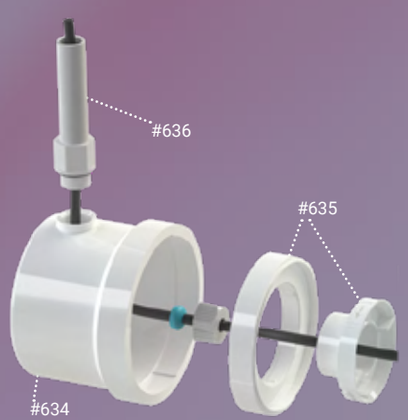
## WALL FITTING FOR PP POOL

### FOR VISION[PRO], VISION ALLEGRO, ADAGIO[PRO] AND SPECTRA

**NEW**

Adagio Pro, Vision Pro, Allegro & Spectra

- wall fitting 1 ½“
- material PP (#634), polymer (#636)
- For direct welding to PP pools (no additional sealing required)
- Diameter 160 mm, height 115 mm (#634)
- Hole diameter for 50 mm light = 95 mm
- Hole diameter for 100 mm light = 133 mm
- Compatible with 100 mm and 50 mm LED lights




| Article | PU | Article Number |
|---|---|---|
| wall fitting for PP pool | 6 | 634* |
| mounting and retaining ring for PP wall conduit (#634) | 6 | 635 |
| Cable protection conduit, 800 mm length | 6 | 636 |

*When installing the wall conduit for PP pools (#634), the mounting and retaining rings (#634) are mandatory.

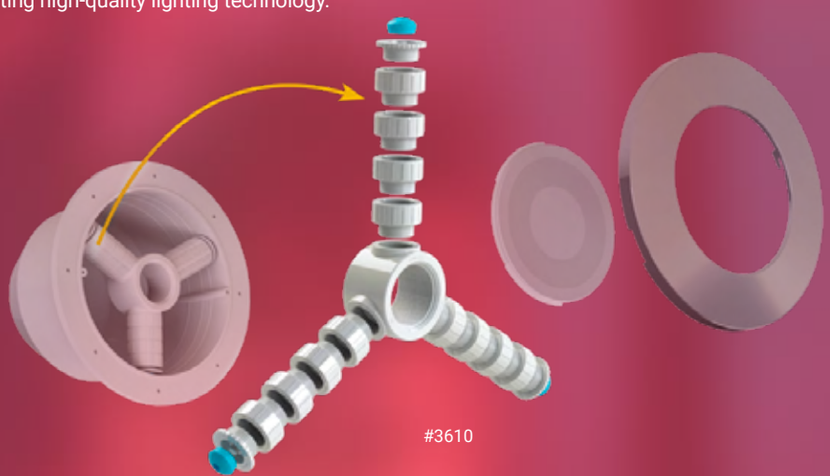
## FLEXIBLE RETROFIT
FOR EXISTING WALL MOUNTS

**NEW**

A well-designed solution for integrating luminaires into existing installations from a wide range of manufacturers.

- suitable for renovation projects
- universally applicable for wall conduits from 85 mm inner diameter up to the maximum size that can be covered by the cover plates
- system is flexibly expandable
- inner part with 1 ½" thread for Vision[PRO], Vision Allegro, Adagio[PRO] and Spectra lights
- 3 clamping arms for secure fixation

This makes RETROFIT Twist an economical, efficient, and installation-friendly way to upgrade existing systems while integrating high-quality lighting technology.



#3610

| Article | PU | Article Number |
|---|---|---|
| retrofit Twist | 6 | 3610[1] |

[1)] Extensions available upon request.

## TOOL SET
FOR VISION[PRO], VISION ALLEGRO, ADAGIO[PRO] AND SPECTRA

Simple fixing of the light module in the cover panel, simple locking of the cable gland, easy cable routing with cable puller

| Article | Article Number |
|---|---|
| tool set | 691* |

* free of charge on request when purchasing two or more lights

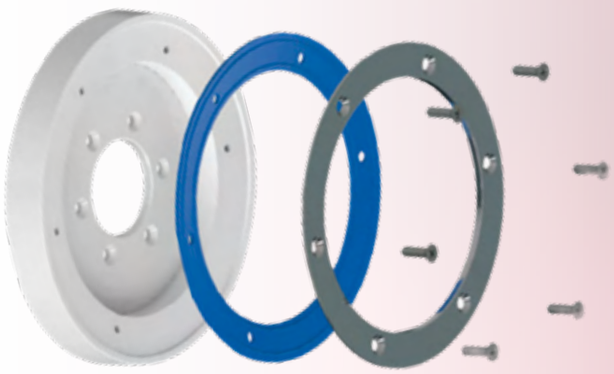
# ADAPTER

## ULTRA-FLAT-ADAPTER

FOR VISION[PRO], VISION ALLEGRO, ADAGIO[PRO] AND SPECTRA WITH THE ULTRA FLAT COVER PANELS

Ultra-flat and elegant finish with the specially developed installation kit.
In combination with the Ultra Flat cover panels, the result is a
particularly elegant appearance that combines minimalist beauty and high-quality functionality.

This adapter is required for the installation of the Ultra Flat cover plates.



#706 / #707 / #708

**COMPATIBILITY**
For installation, the wall fittings on page 228 and the cover plates on page 231 required.

| Installation kit for | Ø Diameter | Ø Outer Diameter | Thickness | PU | Article Number |
|---|---|---|---|---|---|
| liner pools | 50 mm | 112 mm | 21 mm | 6 | 706 |
| liner pools | 100 mm | 180 mm | 22 mm | 6 | 707 |
| liner pools | 170 mm | 254 mm | 22 mm | 6 | 708 |

Ultra Flat

**Installation example of the ULTRA FLAT plates** (page 231)

First install the wall conduit by placing the gasket and the niche flange and securely screwing all components together.

After the pool construction is completed, the liner is installed professionally. Then position the stainless steel mounting ring with a gasket in between precisely onto the liner.

Tighten all components firmly to the niche flange to ensure a permanently watertight seal.

Finally, the light is clicked into the Ultra Flat trim and inserted into the wall conduit.

# COVER PLATES

ClickOn™ Ultra Flat

## COVER PLATES
VISION[PRO], VISION ALLEGRO, ADAGIO[PRO] AND SPECTRA

A unique concept in which the light is not mounted on the pool wall, but integrated within it.
This allows for the use of an Ultra Flat cover frame that is only a few millimeters thick.

Model Ultra Flat, also available individually

***ultra-thin material thickness***
2 mm across all diameters

#630 / #631 / #632

#630-1 / #631-1 / #632-1

#630-2 / #631-2 / #632-2

#630-3 / #631-3 / #632-3

**COMPATIBILITY**
For installation, wall fittings on page 228 (#670, #671, #672 oder #673) and the installation kit on page 230 are required.

| Ø Diameter | Ø Outer Diameter | Color | Material | PU | Article Number |
|---|---|---|---|---|---|
| 50 mm | 108 mm | white | polymer | 6 | 630 |
| 50 mm | 108 mm | dark gray | polymer | 6 | 630-1 |
| 50 mm | 108 mm | light gray | polymer | 6 | 630-2 |
| 50 mm | 108 mm | polished silver | stainless steel | 6 | 630-3 |
| 100 mm | 175 mm | white | polymer | 6 | 631 |
| 100 mm | 175 mm | dark gray | polymer | 6 | 631-1 |
| 100 mm | 175 mm | light gray | polymer | 6 | 631-2 |
| 100 mm | 175 mm | polished silver | stainless steel | 6 | 631-3 |
| 170 mm | 275 mm | white | polymer | 6 | 632 |
| 170 mm | 275 mm | dark gray | polymer | 6 | 632-1 |
| 170 mm | 275 mm | light gray | polymer | 6 | 632-2 |
| 170 mm | 275 mm | polished silver | stainless steel | 6 | 632-3 |

Model RF, also available individually

Material thickness:
18 mm for 50 mm diameter
20 mm for 100 mm diameter
21 mm for 170 mm diameter

#689 / #688 / #687

#686 / #696 / #695

#650-4

#650
#659
#651

#661
#699
#658

#650-3

| Ø Diameter | Ø Outer Diameter | Color | Material | PU | Article Number |
|---|---|---|---|---|---|
| 50 mm | 128 mm | white | polymer | 6 | 686 |
| 50 mm | 128 mm | dark gray | polymer | 6 | 650 |
| 50 mm | 128 mm | light gray | polymer | 6 | 661 |
| 50 mm | 128 mm | light blue | polymer | 6 | 650-3 |
| 50 mm | 128 mm | black | polymer | 6 | 650-4 |
| 50 mm | 128 mm | polished silver | stainless steel | 6 | 689 |
| 100 mm | 168 mm | white | polymer | 6 | 696 |
| 100 mm | 168 mm | dark gray | polymer | 6 | 659 |
| 100 mm | 168 mm | light gray | polymer | 6 | 699 |
| 100 mm | 185 mm | polished silver | stainless steel | 6 | 688 |
| 170 mm | 256 mm | white | polymer | 6 | 695 |
| 170 mm | 256 mm | dark gray | polymer | 6 | 651 |
| 170 mm | 256 mm | light gray | polymer | 6 | 658 |
| 170 mm | 280 mm | polished silver | stainless steel | 6 | 687 |

Model RO, thinner version of the RF model, also available individually

Material thickness:
9 mm for 50 mm diameter
13 mm for 100 mm diameter
16 mm for 170 mm diameter

#646-5 / #645 / #644

#646

#646-4

#646-1

#646-2

#646-3

| Ø Diameter | Ø Outer Diameter | Color | Material | PU | Article Number |
|---|---|---|---|---|---|
| 50 mm | 100 mm | white | polymer | 6 | 646 |
| 50 mm | 100 mm | dark gray | polymer | 6 | 646-1 |
| 50 mm | 100 mm | light gray | polymer | 6 | 646-2 |
| 50 mm | 100 mm | light blue | polymer | 6 | 646-3 |
| 50 mm | 100 mm | black | polymer | 6 | 646-4 |
| 50 mm | 100 mm | polished silver | stainless steel | 6 | 646-5 |
| 100 mm | 170 mm | polished silver | stainless steel | 6 | 645 |
| 170 mm | 270 mm | polished silver | stainless steel | 6 | 644 |

Model RA, also available individually

Material thickness:
21 mm for all diameters

#680 / #681

#679 / #678

#677-2
#678-1

#684
#682

#677
#698

#677-1
#694

#685
#683

| Ø Diameter | Ø Outer Diameter | Color | Material | PU | Article Number |
|---|---|---|---|---|---|
| 100 mm | 180 mm | white | polymer | 6 | 679 |
| 100 mm | 180 mm | dark gray | polymer | 6 | 684 |
| 100 mm | 180 mm | sand | polymer | 6 | 685 |
| 100 mm | 180 mm | light gray | polymer | 6 | 677 |
| 100 mm | 180 mm | black | polymer | 6 | 677-2 |
| 100 mm | 180 mm | light blue | polymer | 6 | 677-1 |
| 100 mm | 180 mm | polished silver | stainless steel | 6 | 681 |
| 170 mm | 250 mm | white | polymer | 6 | 678 |
| 170 mm | 250 mm | dark gray | polymer | 6 | 682 |
| 170 mm | 250 mm | sand | polymer | 6 | 683 |
| 170 mm | 250 mm | light gray | polymer | 6 | 698 |
| 170 mm | 250 mm | black | polymer | 6 | 678-1 |
| 170 mm | 250 mm | light blue | polymer | 6 | 694 |
| 170 mm | 250 mm | polished silver | stainless steel | 6 | 680 |

Model RN, thinner version of RA model, material: polymer, also available individually

Material thickness:
13 mm for 100 mm
12 mm for 170 mm

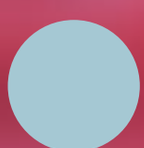
#657 / #649

#657-6 / #649-6

#657-5
#649-5

#657-1
#649-1

#657-2
#649-2



#657-3
#649-3

#657-4
#649-4

| Ø Diameter | Ø Outer Diameter | Color | Material | PU | Article Number |
|---|---|---|---|---|---|
| 100 mm | 160 mm | white | polymer | 6 | 657 |
| 100 mm | 160 mm | dark gray | polymer | 6 | 657-1 |
| 100 mm | 160 mm | light gray | polymer | 6 | 657-2 |
| 100 mm | 160 mm | light blue | polymer | 6 | 657-3 |
| 100 mm | 160 mm | sand | polymer | 6 | 657-4 |
| 100 mm | 160 mm | black | polymer | 6 | 657-5 |
| 100 mm | 160 mm | polished silver | stainless steel | 6 | 657-6 |
| 170 mm | 250 mm | white | polymer | 6 | 649 |
| 170 mm | 250 mm | dark gray | polymer | 6 | 649-1 |
| 170 mm | 250 mm | sand | polymer | 6 | 649-2 |
| 170 mm | 250 mm | light gray | polymer | 6 | 649-3 |
| 170 mm | 250 mm | sand | polymer | 6 | 649-4 |
| 170 mm | 250 mm | black | polymer | 6 | 649-5 |
| 170 mm | 250 mm | polished silver | stainless steel | 6 | 649-6 |

Model RB, material: polymer, also available individually

Material thickness:
21 mm for all diameters

#648 / #647

#648-5
#647-5

#648-1
#647-1

#648-2
#647-2

#648-3
#647-3

#648-4
#647-4

| Ø Diameter | Ø Outer Diameter | Color | Material | PU | Article Number |
|---|---|---|---|---|---|
| 100 mm | 175 mm | white | polymer | 6 | 648 |
| 100 mm | 175 mm | dark gray | polymer | 6 | 648-1 |
| 100 mm | 175 mm | light gray | polymer | 6 | 648-2 |
| 100 mm | 175 mm | light blue | polymer | 6 | 648-3 |
| 100 mm | 175 mm | sand | polymer | 6 | 648-4 |
| 100 mm | 175 mm | black | polymer | 6 | 648-5 |
| 170 mm | 270 mm | white | polymer | 6 | 647 |
| 170 mm | 270 mm | dark gray | polymer | 6 | 647-1 |
| 170 mm | 270 mm | light gray | polymer | 6 | 647-2 |
| 170 mm | 270 mm | light blue | polymer | 6 | 647-3 |
| 170 mm | 270 mm | sand | polymer | 6 | 647-4 |
| 170 mm | 270 mm | black | polymer | 6 | 647-5 |

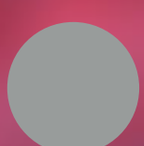
Model RD, material: polymer, also available individually

Material thickness:
20 mm for 100 mm diameter
21 mm for 170 mm diameter

#667 / #664

#663
#655-2

#668
#665



#697
#660

#656
#655-1

#676
#655

#669
#666

| Ø Diameter | Ø Outer Diameter | Color | Material | PU | Article Number |
|---|---|---|---|---|---|
| 100 mm | 175 mm | white | polymer | 6 | 667 |
| 100 mm | 175 mm | dark gray | polymer | 6 | 668 |
| 100 mm | 175 mm | sand | polymer | 6 | 669 |
| 100 mm | 175 mm | light gray | polymer | 6 | 697 |
| 100 mm | 175 mm | black | polymer | 6 | 663 |
| 100 mm | 175 mm | light blue | polymer | 6 | 676 |
| 100 mm | 175 mm | midnight blue | polymer | 6 | 656 |
| 170 mm | 250 mm | white | polymer | 6 | 664 |
| 170 mm | 250 mm | dark gray | polymer | 6 | 665 |
| 170 mm | 250 mm | sand | polymer | 6 | 666 |
| 170 mm | 250 mm | light gray | polymer | 6 | 660 |
| 170 mm | 250 mm | black | polymer | 6 | 655-2 |
| 170 mm | 250 mm | light blue | polymer | 6 | 655 |
| 170 mm | 250 mm | midnight blue | polymer | 6 | 655-1 |

# SPARE PARTS

## VISION$^{PRO}$, VISION ALLEGRO, ADAGIO$^{PRO}$ AND SPECTRA CONNECTION SET

CONSISTING OF: 1 ½" UNION, CRIMP SEAL AND CONTACT PLUG

#675-E3

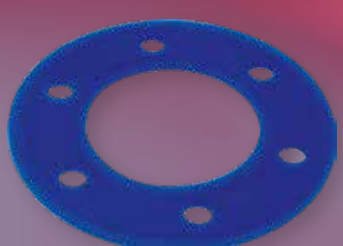
#675-E1

#675-E2

| Article | Article Number |
|---|---|
| connection set<br>for Adagio 50 mm–170 mm, VisionPRO 50 mm, Allegro 50 mm, Spectra 50 mm–170 mm (1 mm²) | 675-E3 |
| connection set for Adagio 50 mm & 100 mm (1 mm²) | 675-E1 |
| connection set for Adagio 170 mm, VisionPRO 50 mm & 100 mm, and Allegro 100 mm (1.5 mm²) | 675-E2 |

## FLAT GASKET

90 x 47 x 2 mm, for flange/wall feed-through



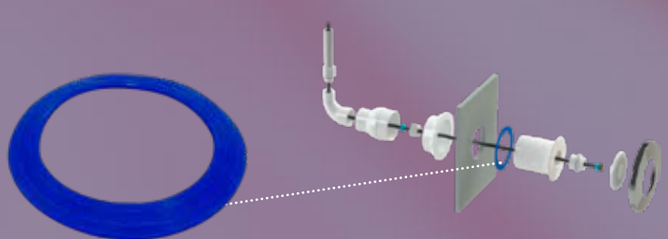
#670-E1

#674-E1

#670-E5

| Article | PU | Article Number |
|---|---|---|
| silicone flat gasket, blue | 6 | 670-E1 |
| flange gasket foam rubber, black | 10 | 674-E1 |
| screw set (6 pcs.) for wall ducts/flange<br>5 x 20 mm made of stainless steel V4A | 6 | 670-E5 |

for wall conduits/locknuts



#674-E2

| Article | PU | Article Number |
|---|---|---|
| silicone flat gasket, blue | 6 | 674-E2 |

# CONTROLLERS & TRANSFORMERS

## LINK-TOUCH CONTROL SYSTEM
FOR VISION[PRO], VISION ALLEGRO AND ADAGIO[PRO]

- portable control unit for heat pumps: MIDA.Perla, MIDA.Diva, MIDA.Cosma, MIDA.Maxx, MIDA.Force, MIDA.Boost and MIDA.Joy, pool lighting and pool cover
- with high-frequency connection (wireless)
- for stable connection with pool lighting and the pool cover
- long-range operation – even in basements and technical rooms
- simple operation thanks to clear display
- **includes** long-life battery (up to 30 days standby)
- rechargeable via USB-C
- **includes** wall bracket (can be connected directly to a power source) or free-standing installation
- dimensions: 186 × 88 × 17 mm,
- protection class IP20
- exclusively for Vision[PRO], Vision Allegro and Adagio[PRO] RGB LEDs, from page 225

**Note:**
- control unit #RC-151 is required (see page 236).
- the connection module #3601 (see page 137) is required for connection to the heat pump.
- temperature display on the Link Touch is only possible with connection plug #3601 (see page 137).

| Article | Article Number |
|---|---|
| Link-Touch control system RGB only for LED's and pool cover | 3603 |

## CONTROL SYSTEM
FOR VISION[PRO], VISION ALLEGRO, ADAGIO[PRO] AND SPECTRA** WITH DIMMING FUNCTION

Like #RC-100 (page 238), but designed as an intelligent control unit for Vision[Pro], Vision Allegro, AdagioPro, and Spectra RGB with dimming function (100% – 75% – 35%).
Additional connections possible via DMX 512, RS485, CAN bus, and SD card slot.
**Includes** DIP switch for selecting control function and black/red remote control.
Up to 16 LEDs can be synchronized.
IP54
#RC-151 **includes** 350 VA transformer*

#RCTX

#RC-151

| Article | Dimensions | Transformer | Article Number |
|---|---|---|---|
| control system | 298 x 420 x 145 mm | 350 VA* | RC-151 |
| replacement radio remote control | | | RCTX |

* Includes 12 V output for LED spotlights

** Spectra is not dimmable but can be controlled via this unit

# CONTROL SYSTEMS

## FOR VISION[PRO], VISION ALLEGRO, ADAGIO[PRO] AND SPECTRA** WITH DIMMING FUNCTION

NEW

### LINK MINI

RS-485

Robust black polymer housing with integrated 60 VA toroidal transformer.
Control via DURA Cloud app using Bluetooth (BLE) and WiFi (2.4 GHz).

- OneTouch-LED for status indication
- on/off switching at the push of a button
- basic ON/OFF communication for all lights
- free color selection, dimming, DMX512/RS-485 compatible, automatic synchronization
- multiple controllers can be connected via RS-485

#3607

| Technical data | Link Mini |
|---|---|
| Type of control | ON/OFF & DuraNet |
| Dura Cloud app | ✓ |
| Bluetooth BLE | ✓ |
| WiFi 2.4 GHz | ✓ |
| Rated input voltage | 230 VAC |
| Built-in toroidal transformer | ✓ |
| Transformer VA power | 60 VA |
| Output voltage (SELV) | 12 VAC |
| IEC protection class | Class II |
| IP class | IP54 |
| Device dimensions (L*B*H) | 150 x 157 x 51 mm |
| Net weight | 0,5 kg |

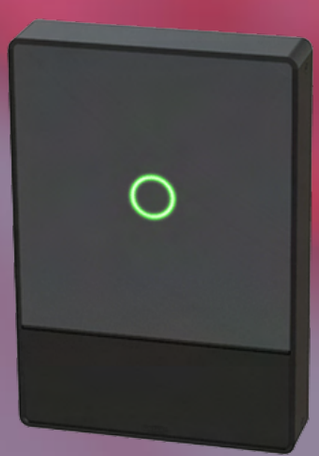
### LINK THREE

RS-485

Intelligent control unit for LED lights.

High-quality black aluminum housing with a glass front panel.
Wall mounting and plug connectors enable quick, time-saving installation.
The stable 12 V AC output operates independently of the input voltage.

- control via DURA Cloud app using Bluetooth (BLE) and WiFi
- OneTouch LED status indicator
- on/off switching via push button
- Simple ON/OFF communication for all DURAVSION lights
- free color selection, dimming function, LINK Touch compatible (with optional module), DMX512/RS-485 compatible, automatic synchronization
- integration into home automation systems via RS-485 or DMX512
- control of external devices (e.g. garden lighting or pool cover) via 3 integrated relay contacts
- optional LoRa module for wireless connection with LINK Touch remote control (including 2 relay contacts)
- multiple controllers can be linked via RS-485 and operated as a single system



#3608

| Technical data | Link Three |
|---|---|
| Type of control | ON/OFF & DuraNet |
| Dura Cloud app | ✓ |
| Bluetooth BLE | ✓ |
| WiFi 2.4 GHz | ✓ |
| LINK Touch-compatible | optional via LoRa module |
| Rated input voltage | 230 VAC |
| Output power | 340 VA |
| Output voltage (SELV) | 12 VAC |
| Relay contacts | 3 + 2 optional via LoRa module |
| RS-485/DMX512 | 2 |
| IEC protection class | Class I |
| IP class | IP54 |
| Device dimensions (L*B*H) | 345 x 240 x 66 mm |
| Net weight | 2,44 kg |

Laden im App Store

JETZT BEI Google Play

### DuraCloud

the most comprehensive digital application for managing your swimming pool.

- full control over all color modes
- dimming of RGB and TW lights

| Article | Article Number |
|---|---|
| Link Mini | 3607 |
| Link Three | 3608 |

** Spectra is not dimmable but can be controlled via this unit

## CONTROL SYSTEMS
FOR VISION ALLEGRO, VISION[PRO], ADAGIO[PRO], SPECTRA, PLS56 AND PLW56-SERIES

Base station with signal receiver, 230 V AC input,

2 outputs for pool cover, garden lighting, etc.
**Includes** black/blue remote control for switching lights on/off and changing the color mode.
Protection rating: IP54, Protection class II,
Permissible ambient temperature: 0°C to +40°C
#RC-100 **includes** 200 VA transformer*

#RC-100

| Article | Dimensions | Transformer | Article Number |
|---|---|---|---|
| control system | 195 x 194 x 90 mm | 200 VA* | RC-100 |

* **Includes** 12 V output for LED spotlights

## TOROIDAL TRANSFORMER

Toroidal transformer 12 / 230 VAC, 150 VA, protection class IP64, for Duravsion (Vision[Pro], Vision Allegro, Adagio[Pro], Spectra), wall mounting possible, strongly recommended if #RC-151 or #RC-100 is not used

| Power | Article Number |
|---|---|
| 150 VA | TR-150 |

## TRANSFORMERS

EXCLUSIVE MIDAS

PRICE REDUCTION

#463

Fully potted transformer for swimming pool lighting according to DIN EN 61558-2-6.
Protection rating: IP65, Protection class II – IP65.
Overheating protection: thermal fuse 130 °C.

| Power | For 12 Volt lamps | Article Number |
|---|---|---|
| 50 VA | 1 x 50 W | 458 |
| 100 VA | 1 x 100 W | 459 |
| 100 VA | 2 x 50 W | 455 |
| 150 VA | 1 x 150 W | 461 |
| 150 VA | 2 x 75 W | 465 |
| 300 VA | 1 x 300 W | 456 |
| 350 VA | 2 x 175 W | 462 |
| 600 VA | 2 x 300 W | 457 |
| 900 VA | 3 x 300 W | 463 |

#455
#457
#462
#465

#456
#458
#459
#461

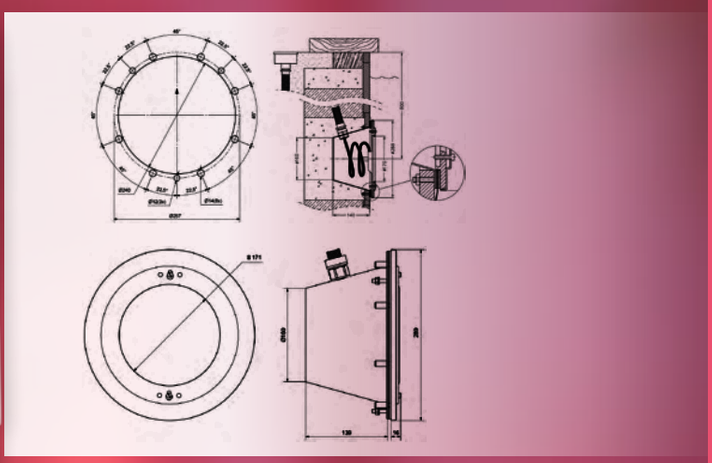
# UNDERWATER SPOTLIGHTS

## UNDERWATER SPOTLIGHT MADE ENTIRELY OF STAINLESS STEEL
MADE OF V4A STAINLESS STEEL /AISI 316L (WITHOUT BULB)

The stainless steel cover sits just 16 mm from the inner pool wall, making it very flat and aesthetically pleasing.
Especially suitable for prefabricated pools – the pool cut-out is completely covered and does not come into contact with the pool water.
**Includes** cover ring and installation niche, with seals and screws for liner and prefabricated pools. **Includes** fixation for LED.
Delivered without connection cable and light source. Cable protection conduit ¾" must be ordered separately #441-3TM (see page 241).
Compatible LED: #PLW56 and #PLS56 on page 240, also available individually.

#491-MP

side view



| Suitable for | Article Number |
|---|---|
| liner pools, **without** bulb | 491-MP* |
| screw set prefabricated pools for #491-MP | 491-E1* |

*Note: max. 250 mg/l chloride content – salt electrolysis **is not** recommended

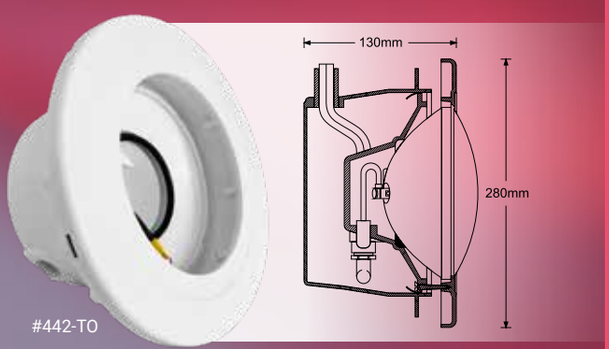
#491-E1

## UNDERWATER SPOTLIGHT
OFF ABS (without bulb)

EXCLUSIVE MIDAS

PRICE REDUCTION #442-TO

Classic version for liner/prefabricated pools, complete with cover ring and installation niche made of ABS. Installation niche optionally with side or bottom outlet, PAR56, with 2.5 m cable 2 × 4 mm². Cable protection conduit ¾" must be ordered separately #441-3TM (see page 241). LEDs #470, #PLW56 or #PLS56 (see page 240) can be used, also available separately.




#442-TO

| Suitable for | PU | Article Number |
|---|---|---|
| liner pools, **without** bulb | 4 | 442-TO |

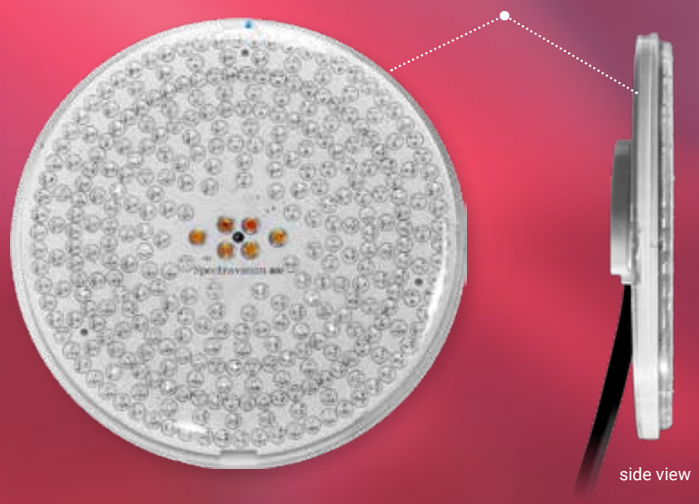
| Spare part | Article Number |
|---|---|
| replacement ABS cover for headlight 442-TO | 442-E2 |
| flange for headlight # 442-TO | 442-E3 |
| flange gasket for headlight # 442-TO | 442-E4 |
| M6 screw set (16 pieces) for headlights # 442-TO | 442-E6 |

# LED REPLACEMENT LIGHTS

## LED REPLACEMENT LIGHT
### PAR 56 WHITE AND RGB

ENERGY-SAVING

- shatterproof polycarbonate
- flat design
- white/RGB LED replacement lamp
- high light intensity
- compatible with all UWS PAR 56
- service life > 25,000 hours
- **includes** 4 m connection cable (2 x 1 mm²)
- waterproof, potted, 120° beam angle
- protection class IP68 measured at 1 m depth
- max. water temperature +35°C
- color temperature: 9.000 K
- also available individually


side view

| Color | Number of LEDs | Lumen Lm | Power | PU | Article Number |
|---|---|---|---|---|---|
| white | 324 | 1.850 Lm | 19W/12 V | 6 | PLW56-400 |
| white | 531 | 2.100 Lm | 28W/12 V | 6 | PLW56-700 |
| RGB | 324 | 925 Lm | 21W/12 V | 6 | PLS56-400 |
| RGB | 531 | 1.450 Lm | 25W/12 V | 6 | PLS56-700 |

## LED REPLACEMENT LIGHT
### PAR56

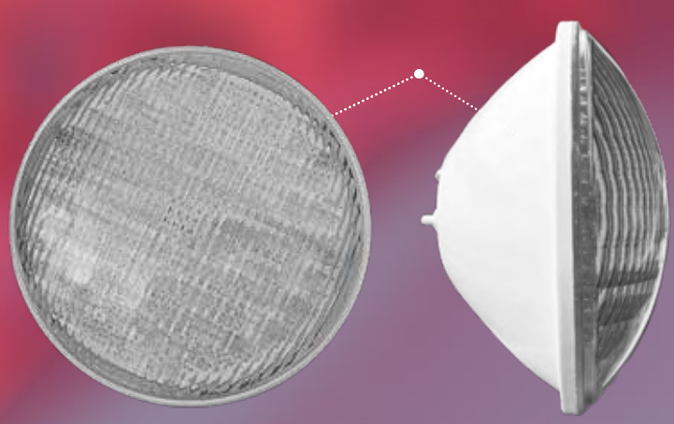
ENERGY-SAVING

PRICE REDUCTION

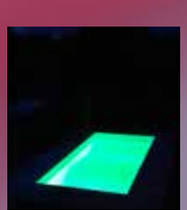
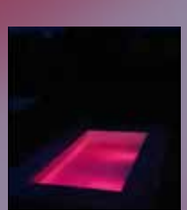
The rear curvature, as with the classic General Electric PAR56 lamp, enables quick and easy replacement with all standard 300 W PAR56 bulbs on the market.

**Note:** To control the RGB #470, the control unit #RC-100 is required (see page 238).

The signals for the RGB bulb are transmitted via the cable, ensuring trouble-free and stable control, as well as synchronization of color transitions. In contrast, cheaper RGB bulbs available on the market with included remote controls, where the signal receiver is integrated into the lamp (no external control), often experience issues with control and synchronization. Compatible, for example, with spotlight #442-TO (see page 239), also available individually.


side view

back view

| Color | Lumen approx. | Kelvin approx. | Power | PU | Article Number |
|---|---|---|---|---|---|
| RGB | 650 | - | 15 W/12 V | 12 | 470 |
| warm white | 2100 | 3000 | 30 W/12 V | 12 | 474 |

# GENERAL ACCESSORIES

## CABLE PROTECTION CONDUIT

EXCLUSIVE MIDAS

Suitable for all PAR 56 underwater spotlights, connection ¾“ AG, length 1 m, color: white, also available individually

| Article | PU | Article Number |
|---|---|---|
| cable protection conduit, 1 m, color: white | 50 | 441-3TM |

## H07RN-F CABLE FOR ALL UNDERWATER HEADLIGHTS

NEW
#629
#628

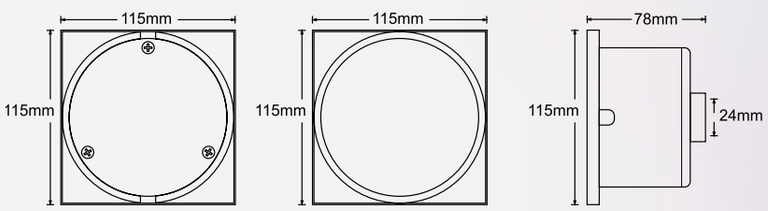
Cable for installation between transformer and cable junction box Connection cable rubber, flexible, 450/750 V, temperature range: -7°C to +60 °C, oil-resistant, flame-retardant, UV-resistant, 1000 VAC protected, can be used for short-circuit and earth-safe installations in accordance with IEC 60364-5-52/HD 60364-5-52/VDE 0100 Part 520. In accordance with EN 50565-2, compliant with EU Directive 2014/35/EC (Low Voltage Directive), with harmonization mark, color: black

| | Article | Outer Ø | PU | Article Number |
|---|---|---|---|---|
| NEW | cable 2 x 2,5 mm² | 10,2 - 11,7 mm | 100 m roll | 629 |
| NEW | cable 2 x 4,0 mm² | 11,8 - 13,4 mm | 100 m roll | 628 |
| | cable 3 x 6,0 mm² | 14,1 - 15,9 mm | 50 m roll | 637 |

## DISTRIBUTOR CAN

EXCLUSIVE MIDAS

- ABS, cable entry 2 x ¾”, also available individually



| Version | PU | Article Number |
|---|---|---|
| ABS | 40 | 417-TN |

# 11

# FITTINGS & INSTALLATION ACCESSORIES

*DISCREET EXCELLENCE FOR PERFECT POOL TECHNOLOGY*

*The true art of a pool lies in the* **invisible details** *that ensure its performance and durability.*
*With our high-quality PVC-U fittings and sturdy pipes in* **PN16** *and* **PN10**, *we provide the perfect foundation for a pool installation that is not only reliable but also built to last. Our flexible,* **chemical- resistant adhesive hoses** *ensure precise and secure installation – making them particularly ideal for underground installation, where perfection and durability are crucial.*

**MIDA.Fix**, *a* **polymer-based sealant and adhesive**, *rounds out our product range with its exceptional versatility. Whether above or below water, this highly advanced adhesive creates a virtually invisible yet unbeatably strong bond and is available in a wide range of elegant colors.*

*Trust in* **exquisite craftsmanship** *and* **unbreakable connections**—*for pool technology that sets new standards in both function and aesthetics and guarantees you long-lasting enjoyment.*

## OVERVIEW


**FLOW METERS, VALVES & BALL VALVES**

NEW P. 244 FlowSonic & FlowSonic+
P. 245 FlowVis Flow meter
P. 246 Ball valves
P. 249 Check valves

**FITTINGS**

P. 250 PVC-U fittings

**ADHESIVE HOSES**

P. 260 Plasticized rigid PVC Adhesive hose white/green fitt b-active
P. 261 Chlorine-resistant adhesive hose
P. 261 PVC adhesive hose, gray

**PVC-U PIPES**

P. 262 PVC-U pipes, gray & transparent

**ADHESIVES & CLEANERS**

P. 264 Adhesives
P. 266 Cleaners

**ACCESSORIES & TOOLS**

P. 267 Accessories
P. 270 Tools

# FLOW METERS, VALVES & BALL VALVES

## SPECK BADU FLOW SONIC & FLOW SONIC+

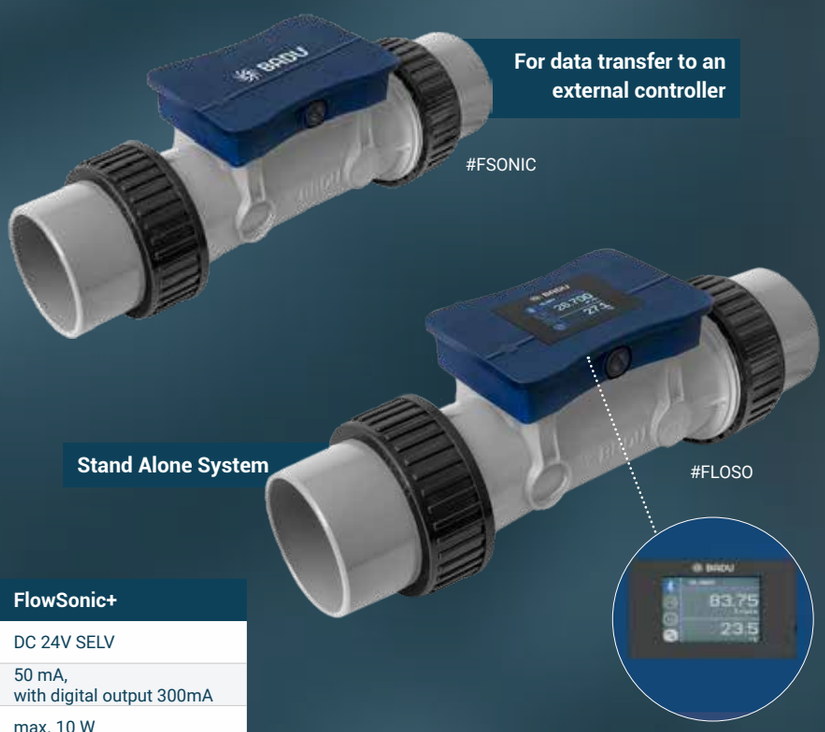
FLOW MEASUREMENT VIA ULTRASOUND

**NEW**

ENERGY-SAVING

For optimal adjustment of frequency-controlled circulation pumps with a display,

- stand-alone solution
- measuring range: 0-54 m³/h
- max. salinity: 3% (30 g/l)
- material: PA/PP
- connection: 63 mm
- PN10
- operating pressure 1-4 bar
- seals made of NBR and EPDM
- power supply 24 V DC
- power consumption max. 10 W
- output signal 4,20 mA / pulse (667/l)
- includes power plug (#FLOSO)
- does not include data cable for transmission to an external controller (#FSONIC)

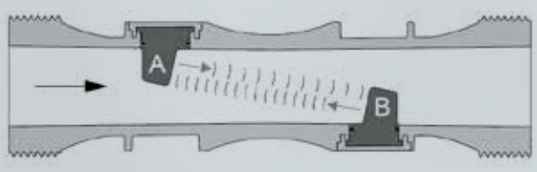



| Technical Specifications | FlowSonic | FlowSonic+ |
|---|---|---|
| Power supply | DC 24V SELV | DC 24V SELV |
| Current consumption | 50 mA, with digital output 300mA | 50 mA, with digital output 300mA |
| Power consumption | max. 10 W | max. 10 W |
| Rated pressure stage | PN 10 | PN 10 |
| Measurement range | 0 - 54 m³/h | 0 - 54 m³/h |
| Connection | 63 mm / DN 50 | 63 mm / DN 50 |
| Analog output signal | 4-20 mA | 4-20 mA |
| Digital output signal | Puls (667/l) | Puls (667/l) |
| Fluid temperature | 0-45 °C | 0-45 °C |
| Display | - | 1,77" |

**SPECIAL ADVANTAGES**

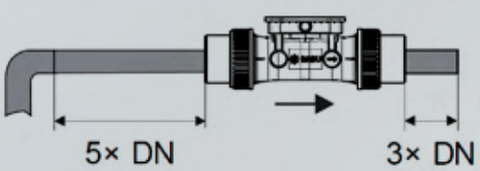
- ✓ precise flow measurement in m³/h
- ✓ no pressure loss, as there is no resistance like with some manual flow meters
- ✓ no contamination of a float, thanks to ultrasonic measurement
- ✓ compatible with new dosing systems

### Flow measurement via ultrasound




### Installation example

On site, ensure sufficient flow calming before and after the measuring point.




| Article | Article Number |
|---|---|
| BADU FlowSonic+ | FLOSO* |
| BADU FlowSonic | FSONIC |
| SC-23 Cable, 3 m cable for connecting the BADU FlowSonic/FlowSonic+ to the BADU EV Delta or BADU EV Prime | FSKABEL |

* For the installation of the FlowSonic+ with the BADU EV Delta or BADU EV Prime, the data cable #FSKABEL is required.

# FLOWVIS FLOW METER & CHECK VALVE

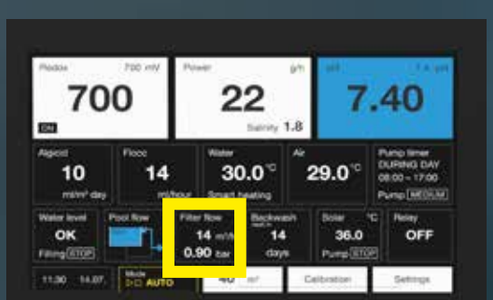
**NEW**
#FloVis-E1

ENERGY-SAVING

It is a modern, cost-effective, and reliable flow meter specifically designed for swimming pools, swim spas, or other water systems. Faultless in operation and sophisticated in concept, FlowVis is a revolution in reliable water flow measurement. FlowVis enables optimal adjustment of the frequency-controlled circulation pump in order to optimize filtration and backwashing, thereby ensuring maximum energy savings. In addition, a check valve is integrated

**Main Features:**

- reliable and precise flow measurement in m³/h
- patented design: flow meter + check valve
- quick installation with no calibration required
- measurement accuracy remains unaffected, even with air in the system
- verified average accuracy of 97.9%
- does not block, jump, or provide inaccurate readings
- can be installed horizontally, vertically, or overhead – other fittings have no effect
- minimal pressure loss, max. 0.14 bar
- extremely durable – a service life of over 15 years is possible
- certified to NSF50 Level 1




**NEW**

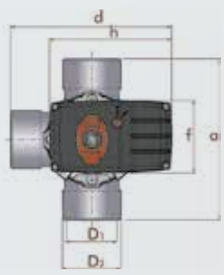
## FlowVis Digital Sensor

- FlowVis Digital Sensor with 8 m cable kit and indicator with magnet for #FloVis 50 and #FloVis 63
- compatible with MIDA.Profi Plus
- digital display of flow rate in m³/h on the dosing system screen

| Article | Flow | Article Number |
|---|---|---|
| FlowVis DN 40 mm / d50 | 2,4 - 21,6 m³/h | FloVis50 |
| FlowVis DN 50 mm / d63 | 2,4 - 24,0 m³/h | FloVis63 |
| NEW FlowVis digital sensor | - | FloVis-E1 |

## 3-WAY ROTARY VALVE
WITH ADHESIVE SOCKETS - ELECTRICALLY OPERATED

material: PVC-U, electric 3-way control valve made of PVC-U with rotation damper **including** closed path indication, 230 V, with the automatic valve
you can choose between 90° and 180°; the pump **must be** stopped before turning
color: black




| d1-d2 | a (mm) | d (mm) | f (mm) | h (mm) |
|---|---|---|---|---|
| 50-63 | 159 | 183 | 94 | 159 |
| 63-75 | 210 | 209 | 94 | 159 |

#41863
#41864

| d1-d2 | Article Number |
|---|---|
| 50-63 | 41863 |
| 63-75 | 41864 |

## MIDA.FLO
2- & 3-WAY ROTARY DISC VALVE

material: PVC-U, pressure-resistant cover and rotary disc set made of Ultranyl, 10 bar operating pressure, 15 bar test pressure, low pressure loss slip connections 50 mm inside, 63 mm outside
color: black

**ADVANTAGES OVER A BALL VALVE**
- ✓ three sizes in one valve
- ✓ adjustable positions
- ✓ top access

### MIDA.FLO
### 2-WAY ROTARY DISC VALVE

### MIDA.FLO
### 3-WAY ROTARY DISC VALVE

| Article | Adjustable Positions | PU | Article Number |
|---|---|---|---|
| 2-way rotary disk valve | 10 | 8 | 301* |
| 3-way rotary disk valve | 19 | 8 | 306* |

*Available only in full packaging units.

## MIDAS 3-WAY BALL VALVE

material: PVC-U, EPDM gasket, HDPE shell with 3 slip connections,
10 bar operating pressure
color: gray

#3395-T

| d | Length (mm) | PU | Article Number |
|---|---|---|---|
| 50 | 240 | 4 | 3395-T* |

*Available only in full packaging units.

# MIDAS 2-WAY BALL VALVE

material: PVC-U, with Teflon seal or PE shell, slip connection on both sides, 16 bar operating pressure, color: gray, rubberized, removable handle, lockable ball and double shaft seal.

## TEFLON SHELL
16 BAR OPERATING PRESSURE

| d | Length (mm) | PU | Article Number |
|---|---|---|---|
| 50 | 149 | 10 | 395-P* |
| 63 | 174 | 10 | 396-P* |
| 75 | 216 | 10 | 397-P |

*Available only in full packaging units.

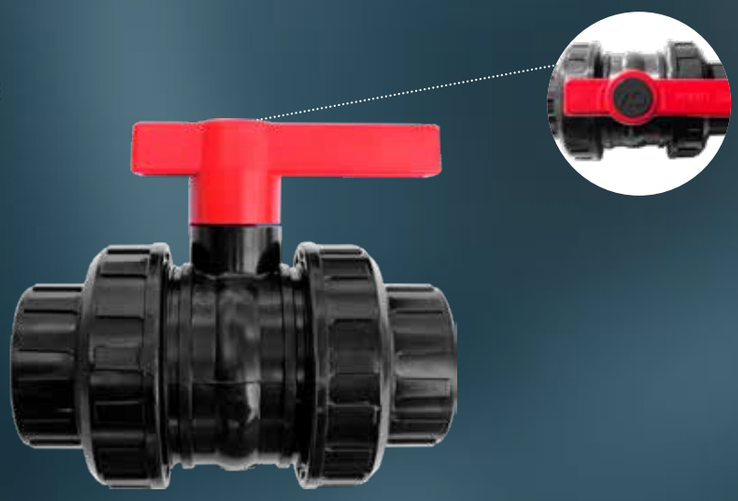
NEW
#395-PEF
#396-PEF

## PE SHELL
16 BAR OPERATING PRESSURE

| d | Length (mm) | PU | Article Number |
|---|---|---|---|
| 32 | 122 | 10 | 393-PEF |
| NEW 50 | 149 | 10 | 395-PEF* |
| NEW 63 | 174 | 10 | 396-PEF* |
| 75 | 216 | 10 | 397-PEF |
| 90 | 256 | 10 | 398-PEF |
| 110 | 359 | 10 | 399-PEF |

*Available only in full packaging units.

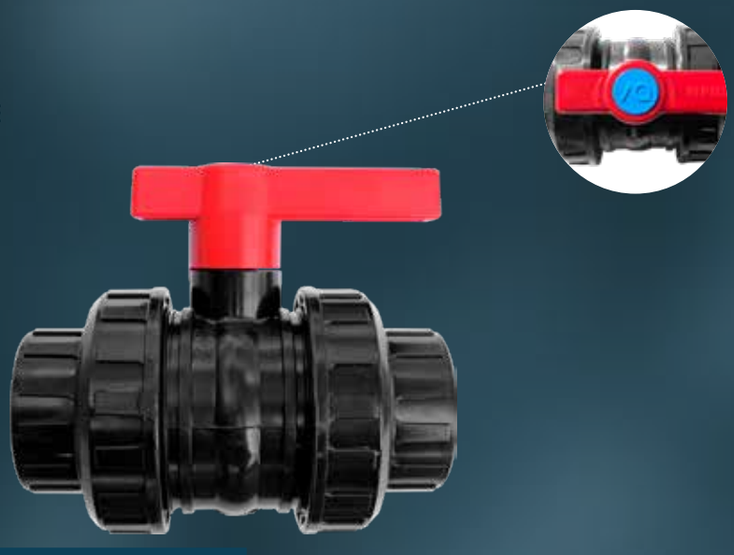
## TEFLON SHELL
16 BAR OPERATING PRESSURE



| d | Length (mm) | PU | Article Number |
|---|---|---|---|
| 50 | 167 | 10 | 395-IC* |
| 63 | 198 | 12 | 396-IC* |

*Available only in full packaging units.

## PE SHELL
16 BAR OPERATING PRESSURE



| d | Length (mm) | PU | Article Number |
|---|---|---|---|
| 40 | 134 | 6 | 394-C |
| 50 | 148 | 10 | 395-C* |
| 63 | 168 | 12 | 396-C* |

*Available only in full packaging units.

NEW

## PE SHELL
16 BAR OPERATING PRESSURE

| d | Length (mm) | PU | Article Number |
|---|---|---|---|
| 20 | 84 | 25 | 02453 |

Recommendation: For automatic water top-up, we recommend installing a PVC valve upstream of the solenoid valve. This prevents direct contact between metal components and the pool water, helping to avoid corrosion and increasing the system's service life.

Combination: T-piece 90° (50 x ½" #01858 or 63 x ½" #01863)
+ ball valve DN 15 #02453
+ two union connections #25960

## ANGLE SEAT CHECK VALVES

Angle-seat check valves with floating pistons. Only suitable for permanent installation in horizontal or vertical position. High flow rate with low opening pressure. Especially recommended for salt electrolysis systems.

Hardly any contamination possible (no spring that could be blocked by debris).

| d | PU | Article Number |
|---|---|---|
| 50 | 1 | 395-S |
| 63 | 1 | 396-S |

## MIDAS CHECK VALVES

material: PVC-U, spring-loaded, slip connection on both sides, color: gray

| d | Length (mm) | PU | Article Number |
|---|---|---|---|
| 40 | 140 | 6 | 384-C |
| 50 | 160 | 12 | 385-C* |
| 63 | 190 | 10 | 386-C* |
| 75 | 232 | 4 | 387-C |
| 90 | 269 | 2 | 388-C |
| 110 | 279 | 2 | 389-C |

*Available only in full packaging units.

# FITTINGS

## ANGLE 90°
ADHESIVE SLEEVE/ADHESIVE SLEEVE

Material: PVC-U, color: gray

| d | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 | 32 | 16 | 55 | 814[1)] |
| 50 | 40 | 16 | 60 | 815[1)]* |
| 63 | 50 | 16 | 36 | 816* |
| 75 | 65 | 16 | 21 | 817[1)] |
| 90 | 80 | 16 | 12 | 819 |
| 110 | 100 | 16 | 14 | 811 |

*Available only in full packaging units..

## REDUCTION ANGLE 90°
ADHESIVE SLEEVE/ADHESIVE COUPLING - ADHESIVE SLEEVE FEMALE/MALE

Material: PVC-U, color: gray

| d x D - d1 | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 50 x 50 - 40 | 40 | 16 | 60 | 02237 |
| 63 x 63 - 50 | 50 | 16 | 32 | 02238 |

*Available only in full packaging units..

## ANGLE 45°
ADHESIVE SLEEVE/ADHESIVE SLEEVE

Material: PVC-U, color: gray

| d | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 | 32 | 16 | 60 | 824[1)] |
| 50 | 40 | 16 | 80 | 825* |
| 63 | 50 | 16 | 45 | 826* |
| 75 | 65 | 16 | 25 | 827[1)] |
| 90 | 80 | 16 | 15 | 829[1)] |
| 110 | 100 | 16 | 16 | 821 |

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## REDUCTION ANGLE 45°
ADHESIVE SLEEVE/ADHESIVE COUPLING - ADHESIVE SLEEVE FEMALE/MALE

Material: PVC-U, color: gray

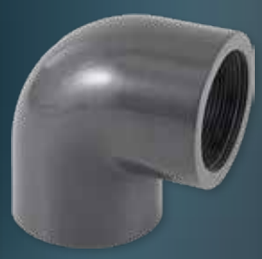
| d x D - d1 | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 50 x 50 - 40 | 40 | 16 | 90 | 02241* |
| 63 x 63 - 50 | 50 | 16 | 45 | 02242* |

*Available only in full packaging units.

## TRANSITION ANGLE 90°
ADHESIVE SLEEVE/FEMALE THREAD

Material: PVC-U, color: gray

| d x threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 x 1 ¼" | 32 | 10 | 50 | 01731 |
| 50 x 1 ½" | 40 | 10 | 28 | 01732 |
| 63 x 2" | 50 | 10 | 16 | 01733 |
| 75 x 2 ½" | 65 | 10 | 9 | 22596 |
| 90 x 3" | 80 | 10 | 6 | 22597 |
| 110 x 4" | 100 | 10 | 3 | 22598 |



## ANGLE 90° REINFORCED
ADHESIVE SLEEVE/FEMALE THREAD

Material: PVC-U and stainless steel V2A/AISI 304, color: gray

| d x threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 20 x ½" | 15 | 16 | 130 | 01740* |

*Available only in full packaging units.

## ANGLE 90°
FEMALE THREAD/FEMALE THREAD

Material: PVC-U, color: gray

| Threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 1 ½" | 40 | 10 | 28 | 01738 |

## ANGLE 90°
ADHESIVE SLEEVE/MALE THREAD

Material: PVC-U, color: gray

| d x threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 50 x 1 ½" | 40 | 10 | 80 | 02239 |
| 63 x 2" | 50 | 10 | 42 | 02240 |

## BEND 90°
ADHESIVE SLEEVE/ADHESIVE SLEEVE

Material: PVC-U, color: gray

| d | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 | 32 | 16 | 25 | 01970 |
| 50 | 40 | 16 | 30 | 01971* |
| 63 | 50 | 16 | 15 | 01972* |
| 75 | 65 | 16 | 8 | 01973 |

*Available only in full packaging units.

## T-FITTING 45°
3 ADHESIVE SLEEVES

Material: PVC-U, color: gray

| d | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 | 32 | 16 | 30 | 864 |
| 50 | 40 | 10 | 32 | 865* |
| 63 | 50 | 10 | 18 | 866* |
| 75 | 65 | 10 | 11 | 867 |
| 90 | 80 | 10 | 6 | 869 |
| 110 | 100 | 10 | 7 | 861 |

*Available only in full packaging units.

## CROSS FITTING
4 ADHESIVE SLEEVES

Material: PVC-U, color: gray

| d | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 | 32 | 16 | 30 | 844 |
| 50 | 40 | 16 | 32 | 845* |
| 63 | 50 | 16 | 16 | 846* |
| 75 | 65 | 16 | 12 | 847 |
| 90 | 80 | 16 | 12 | 849 |
| 110 | 100 | 16 | 6 | 841 |

*Available only in full packaging units.

## T-FITTING 90°
3 ADHESIVE SLEEVES

Material: PVC-U, color: gray

| d | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 | 32 | 16 | 40 | 834[1)] |
| 50 | 40 | 16 | 48 | 835[1)]* |
| 63 | 50 | 16 | 24 | 836* |
| 75 | 65 | 16 | 15 | 837[1)] |
| 90 | 80 | 16 | 8 | 839 |
| 110 | 100 | 16 | 10 | 831 |

*Available only in full packaging units.

## TRANSITION T-FITTING 90°

REDUCED 2 ADHESIVE SLEEVES/FEMALE THREADS

Material: PVC-U, color: gray

| d x threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 50 x 1 ¼" | 40 - 32 | 10 | 24 | 01855 |
| 50 x 1" | 40 - 25 | 10 | 24 | 01856 |
| 50 x ¾" | 40 - 20 | 10 | 24 | 01857 |
| 50 x ½" | 40 - 15 | 10 | 24 | 01858* |
| 63 x 1 ½" | 50 - 40 | 10 | 13 | 01859 |
| 63 x 1 ½" | 50 - 32 | 10 | 14 | 01860 |
| 63 x 1" | 50 - 25 | 10 | 15 | 01861 |
| 63 x ¾" | 50 - 20 | 10 | 15 | 01862 |
| 63 x ½" | 50 - 15 | 10 | 15 | 01863 |

*Available only in full packaging units.

## TRANSITION T-FITTINGS 90°

2 ADHESIVE SLEEVES/FEMALE THREADS

Material: PVC-U, color: gray

| d x threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 x 1 ¼" | 32 | 10 | 19 | 01799 |
| 50 x 1 ½" | 40 | 10 | 21 | 01800 |
| 63 x 2" | 50 | 10 | 12 | 01801 |

## REDUCED 90° T-FITTING

3 ADHESIVE SLEEVES

Material: PVC-U, color: gray

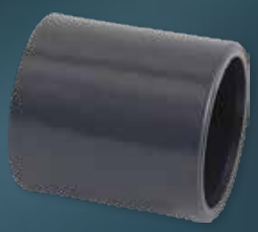
| d x threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 50 x 40 | 40 - 32 | 16 | 48 | 8504 |
| 50 x 32 | 40 - 25 | 16 | 48 | 8503 |
| 50 x 25 | 40 - 20 | 16 | 54 | 01822 |
| 50 x 20 | 40 - 15 | 16 | 56 | 01823 |
| 63 x 50 | 50 - 40 | 16 | 27 | 8635 |
| 63 x 40 | 50 - 32 | 16 | 28 | 8634 |
| 63 x 32 | 50 - 25 | 16 | 30 | 01826 |
| 63 x 25 | 50 - 20 | 16 | 30 | 01827 |
| 63 x 20 | 50 - 15 | 16 | 30 | 01828 |
| 75 x 63 | 65 - 50 | 16 | 16 | 8756 |
| 75 x 50 | 65 - 40 | 16 | 18 | 8755 |
| 75 x 40 | 65 - 32 | 16 | 18 | 01831 |
| 75 x 32 | 65 - 25 | 16 | 18 | 01832 |
| 90 x 75 | 80 - 65 | 16 | 9 | 01833 |
| 90 x 63 | 80 - 50 | 16 | 9 | 01834 |
| 90 x 50 | 80 - 40 | 16 | 9 | 01835 |
| 90 x 40 | 80 - 32 | 16 | 9 | 01836 |
| 110 x 90 | 100 - 80 | 16 | 11 | 01837 |
| 110 x 75 | 100 - 65 | 16 | 12 | 01838 |
| 110 x 63 | 100 - 50 | 16 | 12 | 01839 |
| 110 x 50 | 100 - 40 | 16 | 12 | 01840 |

## SLEEVE
### ADHESIVE SLEEVE/ADHESIVE SLEEVE

Material: PVC-U, color: gray

| d | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 | 32 | 16 | 80 | 854[1)] |
| 50 | 40 | 16 | 56 | 855[1)]* |
| 63 | 50 | 16 | 34 | 856[1)]* |
| 75 | 65 | 16 | 14 | 857[1)] |
| 90 | 80 | 16 | 18 | 859 |
| 110 | 100 | 16 | 12 | 851 |

*Available only in full packaging units.



## REINFORCED TRANSITION SLEEVE
### ADHESIVE SLEEVE/FEMALE THREAD

Material: PVC-U and stainless steel V2A/AISI 304, color: gray

| d x threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 50 x 1 ½" | 40 | 16 | 56 | 01912 |
| 63 x 2" | 50 | 16 | 28 | 01913 |

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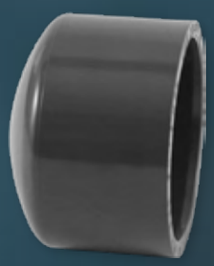
## END CAP
### ADHESIVE SLEEVE

Material: PVC-U, color: gray

| d | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 | 32 | 16 | 70 | 01946[1)] |
| 50 | 40 | 16 | 48 | 01947[1)] |
| 63 | 50 | 16 | 24 | 01948[1)] |
| 75 | 65 | 16 | 32 | 01949[1)] |
| 90 | 80 | 16 | 16 | 01950[1)] |
| 110 | 100 | 16 | 9 | 01951 |



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## TRANSITION SLEEVE NIPPLE
### ADHESIVE SLEEVE/FEMALE THREAD

Material: PVC-U, octagonal. color: gray

| d x threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 50 - 40 x 1 ¼" | 32 | 10 | 40 | 02258 |
| 50 - 40 x 1 ½" | 40 | 10 | 40 | 02257 |
| 50 - 40 x 2" | 40 | 10 | 45 | 02256 |
| 63 - 50 x 1 ½" | 40 | 10 | 36 | 02261 |
| 63 - 50 x 2" | 50 | 10 | 36 | 02260 |
| 63 - 50 x 2 ½" | 50 | 10 | 24 | 02259 |

*Available only in full packaging units.

## TRANSITION SLEEVE NIPPLE
ADHESIVE SLEEVE/MALE THREAD

Material: PVC-U, octagonal, color: gray

| d x threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 50 - 40 x 1" | 25 | 10 | 70 | 02087 |
| 50 - 40 x 1 ¼" | 32 | 10 | 68 | 02086 |
| 50 - 40 x 1 ½" | 40 | 10 | 68 | 02085* |
| 63 - 50 x 1 ¼" | 32 | 10 | 60 | 02090 |
| 63 - 50 x 1 ½" | 40 | 10 | 60 | 02089* |
| 63 - 50 x 2" | 50 | 10 | 46 | 02088* |
| 75 - 63 x 1 ½" | 40 | 10 | 30 | 02093 |
| 75 - 63 x 2" | 50 | 10 | 30 | 02092 |
| 75 - 63 x 2 ½" | 65 | 10 | 24 | 02091 |
| 90 - 75 x 2" | 50 | 10 | 24 | 02096 |
| 90 - 75 x 2 ½" | 65 | 10 | 15 | 02095 |
| 90 - 75 x 3" | 80 | 10 | 12 | 02094 |

*Available only in full packaging units.

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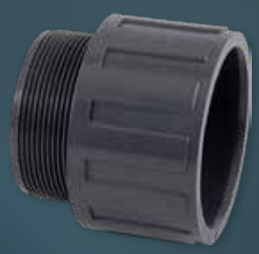
## TRANSITION SLEEVE
ADHESIVE SLEEVE/MALE THREAD

Material: PVC-U, color: gray

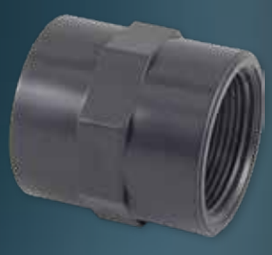
| d x threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 x 1 ¼" | 32 | 10 | 80 | 02105 |
| 50 x 1 ½" | 40 | 10 | 72 | 02106 |
| 63 x 2" | 50 | 10 | 50 | 02107 |
| 75 x 2 ½" | 65 | 10 | 24 | 02108 |
| 90 x 3" | 80 | 10 | 28 | 02109 |



## TRANSITION SLEEVE
ADHESIVE SLEEVE/FEMALE THREAD

Material: PVC-U, octagonal, color: gray

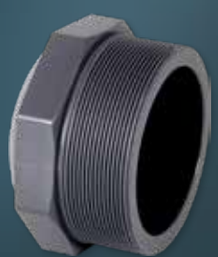
| d x threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 x 1 ¼" | 32 | 10 | 60 | 01892 |
| 50 x 1 ½" | 40 | 10 | 56 | 01893 |
| 63 x 2" | 50 | 10 | 28 | 01894 |
| 75 x 2 ½" | 65 | 10 | 14 | 01895 |
| 90 x 3" | 80 | 10 | 24 | 01896 |



## PLUG
MALE THREAD

Material: PVC-U, octagonal, color: gray

| Threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 1 ¼" | 32 | 10 | 80 | 02126 |
| 1 ½" | 40 | 10 | 60 | 02127 |
| 2" | 50 | 10 | 70 | 02128 |
| 2 ½" | 65 | 10 | 45 | 02129 |



## PRESSURE HOSE FITTING
### ADHESIVE COUPLING

Material: PVC-U, color: gray

| D x d | PN | PU | Article Number |
|---|---|---|---|
| 16 x 16 | 10 | 200 | 02200 |
| 20 x 18 | 10 | 200 | 02201 |
| 20 x 20 | 10 | 200 | 02202 |
| 25 x 25 | 10 | 120 | 02203 |
| 32 x 30 | 10 | 80 | 02204 |
| 40 x 40 | 10 | 40 | 02205 |
| 50 x 50 | 10 | 30 | 02206 |
| 50 x 38 | 10 | 40 | 02207 |
| 63 x 60 | 10 | 18 | 02208 |

## PRESSURE HOSE FITTING
### MALE THREAD

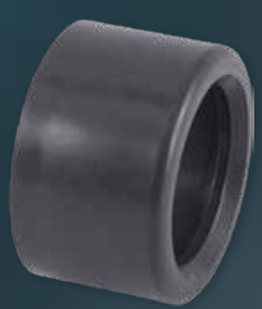
Material: PVC-U, octagonal. color: gray

| threaded x E | PN | PU | Article Number |
|---|---|---|---|
| 1 ½" x 38 | 10 | 36 | 02224 |
| 1 ½" x 40 | 10 | 36 | 09032 |
| 1 ½" x 50 | 10 | 30 | 02223 |
| 2" x 60 | 10 | 15 | 02225 |

## SHORT REDUCTIONS
### ADHESIVE SLEEVE/ADHESIVE COUPLING

Material: PVC-U, color: gray

| D x d | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 x 32 | 32 | 16 | 120 | 01918[1)] |
| 40 x 25 | 20 | 16 | 120 | 01919 |
| 40 x 20 | 15 | 16 | 120 | 01920 |
| 50 x 40 | 32 | 16 | 60 | 01921[1)] |
| 50 x 32 | 25 | 16 | 60 | 01922 |
| 50 x 25 | 20 | 16 | 60 | 01923 |
| 50 x 20 | 15 | 16 | 60 | 01924 |
| 63 x 50 | 40 | 16 | 48 | 01925[1)] |
| 63 x 40 | 32 | 16 | 40 | 01926 |
| 63 x 32 | 25 | 16 | 40 | 01927 |
| 75 x 63 | 50 | 16 | 28 | 01928[1)] |
| 75 x 50 | 40 | 16 | 28 | 18685 |
| 75 x 40 | 32 | 16 | 28 | 18686 |
| 90 x 75 | 65 | 16 | 36 | 01929[1)] |
| 90 x 63 | 50 | 16 | 36 | 18687 |
| 90 x 50 | 40 | 16 | 36 | 18688 |
| 110 x 90 | 80 | 16 | 16 | 01930 |
| 110 x 75 | 65 | 16 | 16 | 18689 |
| 110 x 63 | 50 | 16 | 16 | 18690 |



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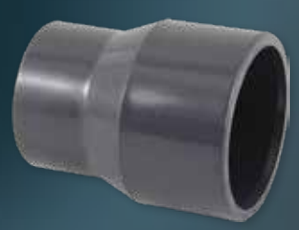
## LONG REDUCTIONS
ADHESIVE SLEEVE/ADHESIVE COUPLING

Material: PVC-U, color: gray

| D - E x d | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 50-40 x 20 | 15 | 16 | 50 | 01982 |
| 50-40 x 25 | 20 | 16 | 40 | 01981 |
| 50-40 x 32 | 25 | 16 | 60 | 01980 |
| 50-40 x 40 | 32 | 16 | 30 | 01979 |
| 63-50 x 20 | 15 | 16 | 30 | 01987 |
| 63-50 x 25 | 20 | 16 | 30 | 01986 |
| 63-50 x 32 | 25 | 16 | 30 | 01985 |
| 63-50 x 40 | 32 | 16 | 46 | 01984 |
| 63-50 x 50 | 40 | 16 | 20 | 01983 |
| 75-63 x 32 | 25 | 16 | 40 | 01991 |
| 75-63 x 40 | 32 | 16 | 40 | 01990 |
| 75-63 x 50 | 40 | 16 | 40 | 01989 |
| 75-63 x 63 | 50 | 16 | 26 | 01988 |
| 90-75 x 40 | 32 | 16 | 24 | 01995 |
| 90-75 x 50 | 40 | 16 | 48 | 01994 |
| 90-75 x 63 | 50 | 16 | 34 | 01993 |
| 90-75 x 75 | 65 | 16 | 12 | 01992 |
| 110-90 x 50 | 40 | 16 | 27 | 01999 |
| 110-90 x 63 | 50 | 16 | 27 | 01998 |
| 110-90 x 75 | 65 | 16 | 18 | 01997 |
| 110-90 x 90 | 80 | 16 | 16 | 01996 |



## DOUBLE NIPPLE
MALE THREAD/MALE THREAD

Material: PVC-U, octagonal, color: gray

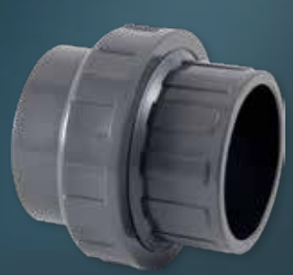
| Threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 1 ½" | 40 | 10 | 36 | 02116 |

## 3-PIECE COUPLING
2 ADHESIVE SLEEVES

Material: PVC-U, color: gray

| d | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 | 32 | 10 | 40 | 874 |
| 50 | 40 | 10 | 30 | 875* |
| 63 | 50 | 10 | 12 | 876* |
| 75 | 65 | 10 | 16 | 877 |
| 90 | 80 | 10 | 12 | 879 |
| 110 | 100 | 10 | 5 | 871 |

* Available only in full packaging units.



## TRANSITION COUPLING
ADHESIVE SLEEVE/MALE THREAD

Material: PVC-U, color: gray

| d x threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 x 1 ½" | 32 | 10 | 36 | 02356 |
| 50 x 1 ½" | 40 | 10 | 30 | 02357* |
| 63 x 2" | 50 | 10 | 12 | 02358* |
| 75 x 2 ½" | 65 | 10 | 16 | 02359 |

*Available only in full packaging units.

## COUPLING
ADHESIVE SLEEVE/MALE THREAD WITH ADDITIONAL EPDM O-RING (FOR PUMPS)

Material: PVC-U, color: gray

| d x threaded | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 50 x 1 ½" | 40 | 16 | 30 | 07716* |
| 50 x 2" | 40 | 16 | 12 | 26638* |
| 63 x 2" | 50 | 16 | 12 | 07717* |

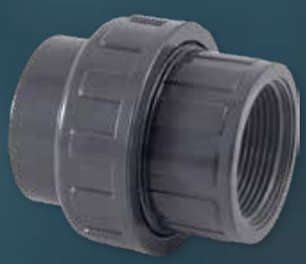
*Available only in full packaging units.

## TRANSITION COUPLING
ADHESIVE SLEEVE/FEMALE THREAD

Material: PVC-U, color: gray

| d | DN | PN | PU | Article Number |
|---|---|---|---|---|
| 40 x 1 ¼" | 32 | 10 | 40 | 02339 |
| 50 x 1 ½" | 40 | 10 | 30 | 02340* |
| 63 x 2" | 50 | 10 | 12 | 02341* |
| 75 x 2 ½" | 65 | 10 | 16 | 02342 |

*Available only in full packaging units.



## UNION CONNECTION
MALE THREAD

NEW

Material: PVC-U, color: gray

Recommendation: For automatic water top-up with solenoid valve (#30010-E52).
Combination: T-fitting 90° (50 x ½" #01858 oder 63 x ½" #01863)
+ ball valve DN 15 #02453
+ two union connections #25960

| d | PN | PU | Article Number |
|---|---|---|---|
| 30 x 1½" | 10 | 40 | 25960 |

## REPLACEMENT O-RING FOR BALL VALVE + COUPLING

| d | PU | Article Number |
|---|---|---|
| D50mm x 1½" | 10 | 395-CE |
| D63mm x 2" | 10 | 396-CE |

*Available only in full packaging units.

# ADHESIVE HOSES

## PLASTICIZED RIGID PVC ADHESIVE HOSE
FLEXIBLE

fitt b-active

**Secure traceability**
The labeling with a transparent protective layer is permanently indelible.

* **Insurance guarantee** for all damages caused by the rigid PVC hose to third parties, **including** removal of the defective and installation of a new plasticized rigid PVC hose.
**Requirement:** proper installation in a sand bed (minimum 10 cm).

**The advantages at a glance**
- chlorine- and chemical-resistant
- extremely resistant to crushing / highly flexible
- optimal protection against cracks and brittleness
- supplied including plug
- can be stored outdoors, securely packed individually in UV film
- temperature resistant from –10°C to +60°C

EVO
SPIRAL PROTECTION BARRIER TECHNOLOGY

D-SHAPE PATENT

cds
PATENTED CHLORINE PROTECTION SYSTEM

**Reliable Durability**
The new EVO TECH technology additionally reinforces the hard spiral protective film (Spiral Protection Barrier technology) and makes the hose six times more resistant than other hoses

**Reliable Flexibility**
The spiral with its D-shape section offers high resistance to crushing (up to 34 kN/m²), which, combined with the use of high-quality materials, enables increased flexibility and a reduced bending radius (down to 125 mm).

**SAFE PROTECTION**
The CDS film (Chlorine Defense System) offers increased protection, even against chlorinated water and an acidic environment, while guaranteeing durability.

color: white/green

TÜV SÜD

Performance tests (mechanical and chemical) were conducted internally as well as in cooperation with the University of Padua – DTG Laboratory. Certified by TÜV (Test protocol no. MEC16173.00).
Compliant with European Regulation (EU) 10/2011 for simulants A-B-C.
Note: Tolerance according to UNI EN ISO 1307:2008. Thermoplastic products are subject to deformation due to ambient temperature and shrinkage; length tolerance is ± 5%..

| Ø (outside x inside) | Operating Pressure | Burst Pressure | Bending Radius | Length | Pallet Quantity | Article Number |
|---|---|---|---|---|---|---|
| 50 x 42 mm | 6 bar | 18 bar | 125 mm | 25 m | 12 | 8351 |
| 50 x 42 mm | 6 bar | 18 bar | 125 mm | 50 m | 8 | 8352 |
| 63 x 55 mm | 4 bar | 12 bar | 165 mm | 25 m | 6 | 8353 |
| 63 x 55 mm | 4 bar | 12 bar | 165 mm | 50 m | 4 | 8354 |

Also available individually. / Warranty and guarantee only valid with proper installation – requirement: installation in a sand bed (minimum 10 cm).

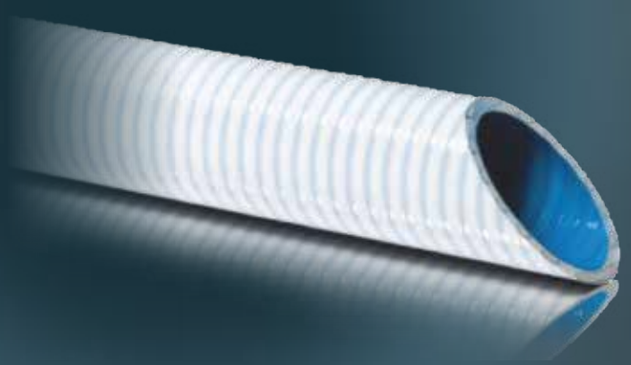
## CHLORINE-RESISTANT ADHESIVE HOSE
FLEXIBLE

A rigid spiral, clad with a crack protection barrier co-extruded in the hose with patented Spiral Protection Barrier®, which guarantees excellent resistance and strength to loads in the substrate.

Chlorine-resistant, flexible, smooth surface, mold-resistant, resistant to microorganisms, with calibrated diameters.
Temperature resistance: -5°C to +60°C
Delivered including plugs.
color: white/blue

Complies with standard UNI EN ISO 3994
TÜV approval no. Z1 16 10 55285 006
is under continuous inspection
European Patent no. 2209850

Tolerances in accordance with UNI EN ISO 1307:2008
Length tolerance: ±5%
Also available individually



| Ø (outside x inside) | Operating pressure | Burst Pressure | Bending radius | Length | Pallet quantity | Article Number |
|---|---|---|---|---|---|---|
| 50 x 42 mm | 5 bar | 15 bar | 165 mm | 25 m | 12 | 8301 |
| 50 x 42 mm | 5 bar | 15 bar | 165 mm | 50 m | 8 | 8302 |
| 63 x 55 mm | 4 bar | 12 bar | 220 mm | 25 m | 6 | 8303 |
| 63 x 55 mm | 4 bar | 12 bar | 220 mm | 50 m | 4 | 8304 |
| 75 x 65 mm | 4 bar | 12 bar | 220 mm | 25 m | 3 | 8305 |

## PVC ADHESIVE HOSE
FLEXIBLE

hose for supply systems of whirlpools and swimming pools
externally calibrated for a perfect fit with standard connectors
spiral hose made of PVC, smooth inner and outer surface
material: PVC
temperature resistance: -5°C to +50°C
color: gray
Also available individually.

| Ø (outside x inside) | Operating Pressure | Burst Pressure | Bending Radius | Length | Pallet Quantity | Article Number |
|---|---|---|---|---|---|---|
| 40 x 32 mm | 7 bar | 21 bar | 100 mm | 25 m | 16 | 8224M |
| 50 x 42 mm | 5 bar | 15 bar | 165 mm | 12 m | 16 | 8230M |
| 50 x 42 mm | 5 bar | 15 bar | 165 mm | 25 m | 12 | 8225M |
| 50 x 42 mm | 5 bar | 15 bar | 165 mm | 50 m | 8 | 8229M |
| 63 x 55 mm | 4 bar | 12 bar | 220 mm | 25 m | 6 | 8226M |
| 75 x 65 mm | 2,5 bar | 7,5 bar | 400 mm | 25 m | 3 | 8227M |
| 90 x 80 mm | 3 bar | 9 bar | 310 mm | 25 m | 4 | 8231M |

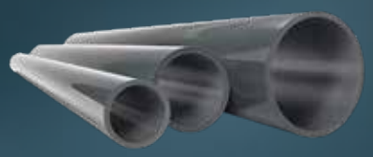
# PVC-U PIPES

## PIPE PN 16

EXCLUSIVE MIDAS

- material: PVC-U
- for bonding
- pipe length 2.4 m: smooth ends on both sides (price per rod)

color: gray



| | d | Wall Thickness mm | Pipe Length (m) | Pallet Quantity | Article Number |
|---|---|---|---|---|---|
| Pipe length 2,4 m | 50 | 3,7 | 2,4 | 226 | 8295.2,4m |
| | 63 | 4,7 | 2,4 | 116 | 8296.2,4m |
| | 75 | 5,6 | 2,4 | 54 | 8297.2,4m |
| | 90 | 6,7 | 2,4 | 58 | 8299.2,4m |

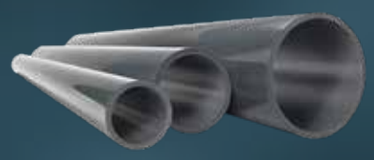
Additional diameters available on request.
Also available individually.

## PIPE PN 10

EXCLUSIVE MIDAS

- material: PVC-U
- for bonding
- pipe length 2.4 m: smooth ends on both sides (price per rod)

color: gray



| | d | Wall Thickness mm | Pipe Length (m) | Pallet Quantity | Article Number |
|---|---|---|---|---|---|
| Pipe length 2,4 m | 50 | 2,4 | 2,4 | 226 | 8195.2,4m |
| | 63 | 3,0 | 2,4 | 116 | 8196.2,4m |
| | 75 | 3,6 | 2,4 | 54 | 8197.2,4m |
| | 90 | 4,3 | 2,4 | 58 | 8199.2,4m |

Additional diameters available on request.
Also available individually.

## TRANSPARENT PIPE

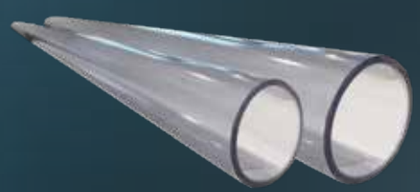
NEW #8397.2 #8399.2

EXCLUSIVE MIDAS

PRICE REDUCTION #8395.2 #8396.2

- material: PVC-U
- for bonding
- pipe length 2.5 m (Ø 50 mm): smooth ends on both sides (price per rod)
  or pipe length 2.0 m (Ø 63 mm): smooth ends on both sides (price per rod)

color: transparent



| | d | PN | Wall Thickness (mm) | Pipe Length (m) | Article Number |
|---|---|---|---|---|---|
| | 50 | 10 | 2,4 | 2,0 | 8395.2 |
| | 63 | 10 | 3,0 | 2,0 | 8396.2 |
| NEW | 75 | 10 | 3,6 | 2,0 | 8397.2 |
| NEW | 90 | 10 | 4,5 | 2,0 | 8399.2 |

Also available individually.

## TAPPING SADDLE

PRICE REDUCTION
#0165
#0168

edge-reinforced (stainless steel), with female thread
material: Polypropylene with EPDM gasket

| d | PU | Article Number |
|---|---|---|
| 50 x ¾“ | 60 | 0165 |
| 50 x ½“ | 60 | 0166 |
| 63 x ½“ | 40 | 0167 |
| 63 x ¾“ | 40 | 0168 |
| 75 x ½“ | 25 | 0169 |
| 75 x ¾“ | 25 | 0170 |

## PIPE CLAMP
WITH HINGED BRACKET

NEW
#8254

material: polypropylene

| d | PU | Article Number |
|---|---|---|
| 50 x 1 ½“ | 10 | 8251* |
| 63 x 2“ | 10 | 8252* |
| 75 x 2 ½“ | 10 | 8253* |
| NEW 90 x 3" | 10 | 8254* |

*Delivery only in full packaging units.

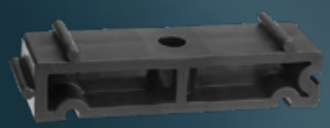
## SPACER

NEW
#8250

for pipe clamp with hinged bracket for ideal wall mounting
especially for ball valves
material: polypropylene; height: 20 mm

| d in mm | PU | Article Number |
|---|---|---|
| 50 | 10 | 8255* |
| 63 | 10 | 8256* |
| 75 | 10 | 8257* |
| NEW 90 | 10 | 8250* |

*Delivery only in full packaging units.



## PIPE CLAMP
WITH BRACKET

material: polypropylene

| d in mm | PU | Article Number |
|---|---|---|
| 50 | 100 | 8215* |
| 63 | 50 | 8216* |
| 75 | 40 | 8217* |

*Delivery only in full packaging units.

# ADHESIVE & CLEANER

## MIDA.FIX 3000
UNIVERSAL SEALANT AND ADHESIVE

NEW #8052

EXCLUSIVE MIDAS

Suitable for stone (non-porous), concrete, natural stone, plaster, polycarbonate, PSU, PVC, various plastics, mirrors, glass, ceramic tiles, enamel, copper, lead, zinc, aluminum, stainless steel, wood

**ADVANTAGES**
- for **underwater and above-water applications**
- very high mechanical strength
- for stress-relieving bonds
- free of solvents, isocyanates, phthalates, and silicone
- weather and aging resistant
- resistant to **salt and chlorinated water**
- fungus and mold inhibiting effect
- suitable for pond liners
- compatible with natural stone
- can be overpainted and recoated (with dispersion paints)
- sandable
- odorless
- shore hardness 60
- 300% elongation at break (no expansion joints)
- temperature resistance from –40°C to +100°C
- permanently elastic
- fast curing
- colorfast
- no shrinkage

#MF-3000W #MF-3000G #MF-3000B #MF-3000t #MF-3000A

### CONTENT: 440 GRAMS (CARTRIDGE)

| Color | PU | Article Number |
|---|---|---|
| white | 20 | MF-3000W |
| gray | 20 | MF-3000G |
| black | 20 | MF-3000B |
| transparent | 20 | MF-3000t |
| Adriatic blue | 20 | MF-3000A |

Also available individually.

### CONTENT: 60 GRAMS (TUBE)

| Color | PU | Article Number |
|---|---|---|
| white | 12 | MF-60W |

* Delivery only in full packaging units.

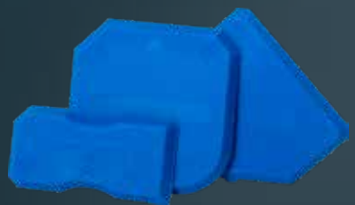
#MF-60W

## JOINTING TOOL

3-piece set
For joints of 5 mm, 8 mm, 10 mm, and 16 mm, 90° joints and rounded joints.

| Article | Article Number |
|---|---|
| squeegee | 8052 |

NEW



#8052

## UNI-100 XT PVC ADHESIVE

NEW

Thixotropic, THF-free adhesive for rigid PVC, fast-curing. Ideal for pipe joints in pressure and wastewater systems ≤ 400 mm diameter, max. 16 bar.
Features: special brush, quick-thread cap, thixotropic, gap-filling.
Temperature resistance: 60°C (short-term up to 95°C)
viscosity: approx. 1450 mPa/s, solid content: approx. 22%
density: approx. 0.91 g/cm³, color: yellow (transparent)

| Article | PU | Article Number |
|---|---|---|
| 250 ml can with brush | 12 | 8011* |
| 500 ml can with brush | 12 | 8009* |
| 1.000 ml can with brush | 8 | 8013* |

*Delivery only in full packaging units.

## UNI-100 PVC ADHESIVE

Thixotropic adhesive for rigid PVC, fast curing. Ideal for pipe connections in pressure and wastewater systems up to 315 mm diameter, max. 16 bar. Features: special brush, quick thread, thixotropic, gap-filling. Temperature resistance: 60°C (short-term up to 95°C), viscosity: approx. 2500 mPa/s, solid content: approx. 23%, density: approx. 0.97 g/cm³. color: gray (transparent).

| Article | PU | Article Number |
|---|---|---|
| 125 ml tube | 30 | 8000 |

## WDF-05 PVC ADHESIVE

Blue, fast-curing thixotropic PVC adhesive for flexible pipes up to 160 mm diameter. Suitable for pressure and wastewater systems up to 16 bar. Ideal for swimming pools and whirlpools. Features: special brush, quick release, very fast curing, gap-filling. Temperature resistance: 60°C (short-term up to 95°C), viscosity: approx. 1500 mPa/s, solid content: approx. 17%, density: approx. 0.99 g/cm³. color: blue (transparent).

| Article | PU | Article Number |
|---|---|---|
| 125 ml can with brush | 10 | 8103* |
| 250 ml can with brush | 12 | 8100* |
| 500 ml can with brush | 12 | 8101* |
| 1.000 ml can with brush | 8 | 8102* |

*Delivery only in full packaging units.

## PVC ADHESIVE BLUE

Adhesive for joining piping elements made of soft (elastic) and rigid PVC (PVC-U). Suitable for water inlets and outlets in pools and for pressure pipes with a diameter ≤ 100 mm. Does not run off even on vertical surfaces.

| Article | PU | Article Number |
|---|---|---|
| 125 ml can with brush | 12 | 8110* |
| 250 ml can with brush | 12 | 8111* |
| 500 ml can with brush | 12 | 8112* |
| 1.000 ml can with brush | 6 | 8113* |

*Delivery only in full packaging units.

## PVC UNIVERSAL CLEANER

For cleaning and degreasing of pipes, sockets, and fittings made of rigid PVC, PVC, PVC-C, and ABS prior to bonding. Also suitable for removing uncured adhesive residues and for cleaning brushes and tools.
Not suitable for thinning PVC, PVC-C, or ABS adhesives.
properties: universal use, very strong cleaning effect, viscosity: approx. 266 mPa/s; color: transparent

| Article | PU | Article Number |
|---|---|---|
| 125 ml can | 20 | 8200* |
| 500 ml can | 12 | 8201* |
| 1.000 ml can | 6 | 8202* |

*Delivery only in full packaging units.

## PVC UNIVERSAL CLEANER

The PVC Universal Cleaner improves adhesion properties by softening the surface layer and is ideally suited for use with the adhesive "PVC Adhesive Blue" #8110 – #8113, as well as with all other adhesives for PVC-U and both rigid and flexible PVC.

| Article | PU | Article Number |
|---|---|---|
| 125 ml bottle | 12 | 8205* |
| 250 ml bottle | 12 | 8206* |
| 1.000 ml bottle | 6 | 8207* |

*Delivery only in full packaging units.

## MOIST CLEANING WIPES

For cleaning and degreasing pipes, sockets, and fittings made of PE, PP, PVDF, and PB.
Also suitable for cleaning welding equipment. High cleaning power, fast and residue-free evaporation, lint-free. Size: 15 x 19.5 cm

| Article | PU | Article Number |
|---|---|---|
| moist cleaning cloths per 100 pieces | 6 | 8038 |

## LINT-FREE CLEANING CLOTHS

Absorbent, lint-free cloth for cleaning and degreasing pipes, sockets, and fittings made of PE, PP, PVDF and PB. Also suitable for removing uncured adhesive residues.
Size: 23 x 41 cm, pack of 100.

| Article | PU | Article Number |
|---|---|---|
| lint-free cleaning cloths | 6 | 8037 |

## STAINLESS STEEL CARE SPRAY

For care, protection, and cleaning of polished and brushed stainless steel. Ideal for our stainless steel pool ladders, waterfall showers, outdoor showers, and stainless steel pool edges.

#8048

| Article | PU | Article Number |
|---|---|---|
| 400 ml spray | 12 | 8048 |

# ACCESSORIES

## FERMIT EMERGENCY CASE

For pipe damage, leaks, and sealing issues around the pool.

**Contents:**
- self-fusing sealing tape
- repair compound for leaks
- repair kit for pool liners
- sealing wrap for permanent sealing of holes and cracks
- silicone grease for fittings
- plastic thread sealant
- PTFE Teflon tape

| Article | Article Number |
|---|---|
| Fermit emergency case | 8114 |

## SKIMMER REPAIR

For repairing cracks in skimmers. Resistant to pool water treated with chlorine, salt, or ozone. Suitable for sealing leaks and reinforcing ABS components (skimmers, main drains, multiport valves). consistency: gel; color: transparent beige; color when dry: white; for cracks from 1–5 mm full curing time: 24 hours. Also available individually.

| Article | PU | Article Number |
|---|---|---|
| 125 ml can | 12 | 8057 |

## LECK-FIX

Leck-Fix seals small leaks in swimming pools of various constructions (concrete, polyester, acrylic, liner systems), as well as in underground piping. The sealing agent can treat leaks of approximately 0.5 m³ to 0.8 m³ per day in pools with a volume of 50 m³ to 60 m³ (equivalent to a water level drop of about 2 cm in a 10 m x 5 m pool). For larger damages, additional measures are unfortunately required. Dosage: 1 liter per up to 60 m³ pool volume.
Also available individually.

| Article | PU | Article Number |
|---|---|---|
| leck-fix 1l | 6 | 8040 |

## PLASTIC THREAD SEALANT

Fast and clean. Thread sealing from a tube. Suitable for plastic/plastic connections (PVC, PVC-C, PP, ABS, PE) as well as mixed metal/plastic connections.

| Article | PU | Article Number |
|---|---|---|
| 100g tube | 6 | 8041* |

*Delivery only in full packaging units.

## REPAIR COMPOUND FOR LEAKS

Two-component epoxy sealing compound in a 10 cm kneadable stick for sealing, repairing, and quick assembly of all rigid and semi-rigid plastics – even under water. Suitable for plastics such as PVC, PVC-C, ABS (excluding PE, PP, and PTFE), as well as most common materials like glass, wood, metal, copper, and concrete. Once cured, the product can be treated like metal: it can be drilled, sawed, filed, and painted.

| Article | PU | Article Number |
|---|---|---|
| repair compound | 6 | 8042* |

*Delivery only in full packaging units.

## SILICONE FITTING GREASE

Grease based on 100% silicone oil and inert fillers. Designed for lubricating and greasing shut-off valves and fittings in pools, irrigation systems, and marine installations.
Prevents limescale buildup on lubricated parts. Water-repellent: suitable for equipment transporting warm aqueous solutions. Also available individually.

#8044 #8056

| Article | PU | Article Number |
|---|---|---|
| 30g tube | 40 | 8044 |
| 100g tube | 15 | 8056 |

## PTFE FLAT SEALING TAPE

NEW

The flat sealing tape offers significant advantages in installation and application. It reduces time, costs, and logistical challenges compared to conventional seals. Made of 100% expanded polytetrafluoroethylene (ePTFE), it ensures highly reliable and long-lasting sealing performance.

Thanks to its high adaptability, the tape reliably compensates for even larger surface irregularities. It is permanently resistant to aggressive chemical media and is ideal for durable sealing applications on flanges, pumps, pipelines, and heat exchangers.

Width: 10 mm, Thickness: 3 mm, Roll length: 2 m

#8032

| Article | PU | Article Number |
|---|---|---|
| PTFE flat sealing tape | 20 | 8032 |

## PTFE SEALING TAPE

Thread sealing tape made of 100% pure, non-sintered PTFE
- prevents seizing (easy loosening even after years)
- chemically resistant to highly aggressive substances
- does not become brittle, swell, or stick; contains no oil or grease
- removable, non-flammable, resistant to fungal growth, unlimited shelf life
- 12 m length x 12 mm width x 0.8 mm thickness

#8043

| Article | PU | Article Number |
|---|---|---|
| roll 12 m | 10 | 8043* |

*Delivery only in full packaging units.

## KOLMAT® FIBRE SEAL

UNIQUE PRODUCT: TURN BACK > 180°

For sealing conical and cylindrical metal and plastic threaded connections (plastic/plastic and plastic/metal). Suitable for cold and warm water as well as (compressed) air. Compatible with materials such as PVC, CPVC, and ABS, possibly in combination with copper, brass, (galvanized) steel, and stainless steel. Also available individually.

| Dimensions | PU | Article Number |
|---|---|---|
| 14 mm x 15 m | 30 | 8030* |

*Delivery only in full packaging units.

## KOLMAT® PLASTIC

SEALANT FOR TAPERED AND STRAIGHT SYNTHETIC THREAD CONNECTIONS

Kolmat® Plastic is a unique product designed for repositioning threaded connections. Fittings, joints, or taps can be mounted in the correct position without the risk of leaks. Even when turned back more than 180°, the connection remains 100% leak-proof. Temperature resistance: -50°C to +120°C, chemical base: silicone elastomer (alkoxy), weight: 125 g; color: white

| Article | PU | Article Number |
|---|---|---|
| kolmat plastic | 6 | 8031* |

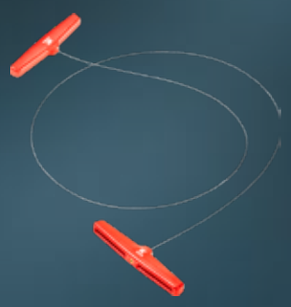
*Delivery only in full packaging units.

# TOOLS

## WIRE SAW
FOR SAWING PLASTIC PIPES

Ideal for cutting in hard-to-reach areas. Suitable for plastic pipes made of PVC, PVC-C, PP, and PE. Thin cutting wire with coarse teeth for quick applications, equipped with sturdy hand grips. Length: 90 cm

| Article | Article Number |
|---|---|
| wire saw | 8036 |



## JAPANESE SAW

Highly flexible Japanese saw with adjustable handle. Ideal for hard-to-reach areas. Cuts wood, plastics, and PVC pipes.

| Article | Article Number |
|---|---|
| Japanese saw | 80360 |
| replacement saw blade for Japanese saw | 80360-E1 |

#80360-E1

#80360

## DEBURRING TOOL FOR OUTDOORS
FOR BEVELING PLASTIC PIPES

For plastic pipes made of PVC, PVC-C, ABS, PP, and PE. Suitable for diameters 16 ≤ 63 mm. Produces a 15° chamfered edge and prevents adhesive leakage.

| Article | Article Number |
|---|---|
| deburring tool | 8035 |
| replacement blades for deburring tool | 8035-E1 |

#8035

#8035-E1

## DEBURRER FOR INSIDE

For removing internal burrs from cut plastic pipes made of PVC, PVC-C, ABS, PP and PE. Prevents adhesive from leaking out.

| Article | Article Number |
|---|---|
| deburrer | 80358 |
| replacement blade for deburrer | 80358-E1 |

#80358-E1

#80358

## UNIVERSAL PLASTIC PIPE CUTTER
SUITABLE FOR ALL PVC-U PIPES

| Article | Pipe size | Article Number |
|---|---|---|
| universal plastic pipe cutter | 6-50 mm | 80355 |
| universal plastic pipe cutter | 6-67 mm | 80356 |
| spare cutting wheel (#80355 + #80356) | | 80355-E1 |

#80355-E1

#80355

#80356

## CORNER PIPE WRENCH S-JAW

Continuously adjustable, secured with a captive locknut.
High strength, durable and wear-resistant thanks to induction-hardened teeth.
Suitable for metallic connections.

| Article | Article Number |
|---|---|
| corner pipe wrench S-jaw 1 ½" | 80350 |
| corner pipe wrench S-jaw 2" | 80351 |

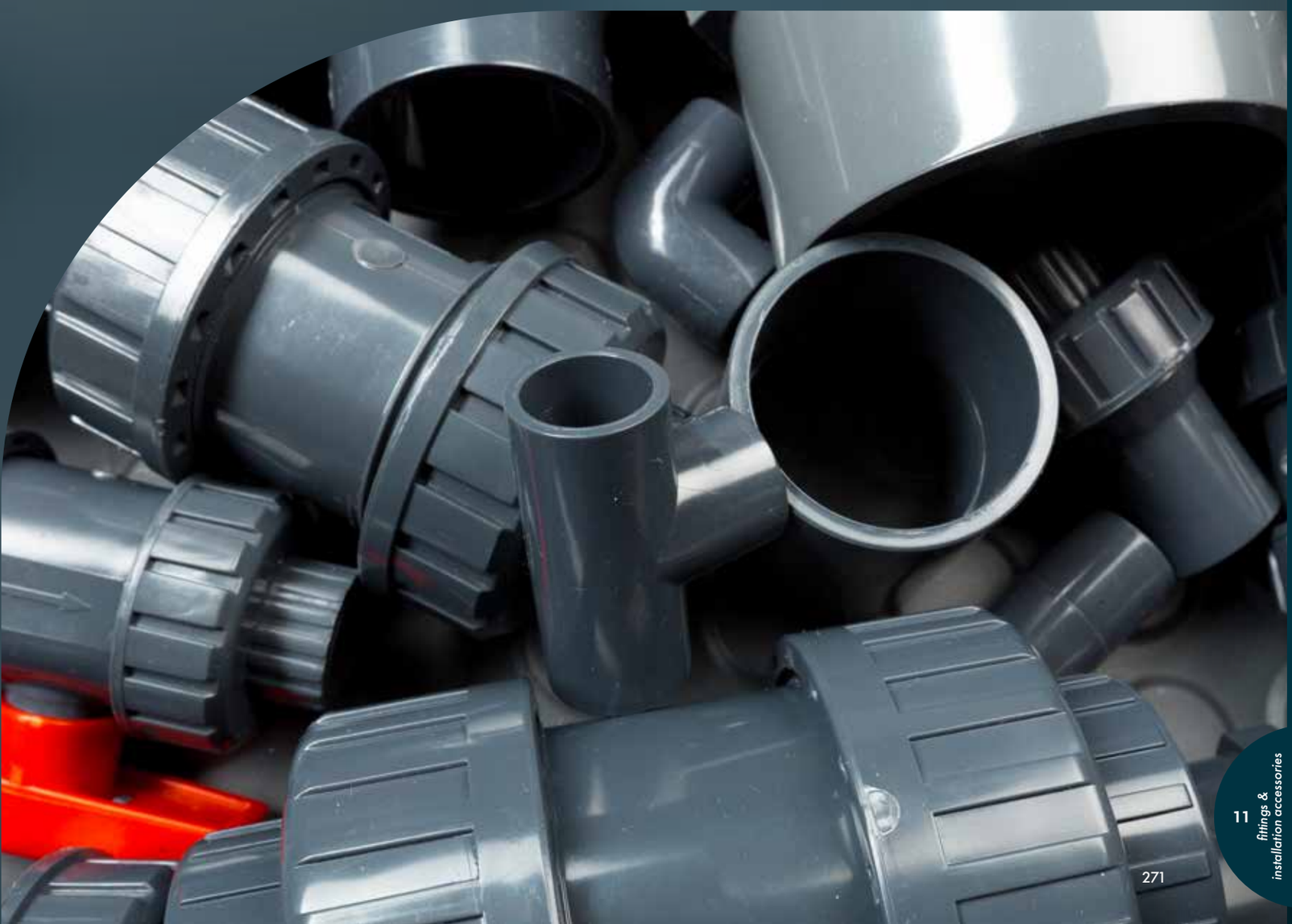
## HOSE SCISSORS

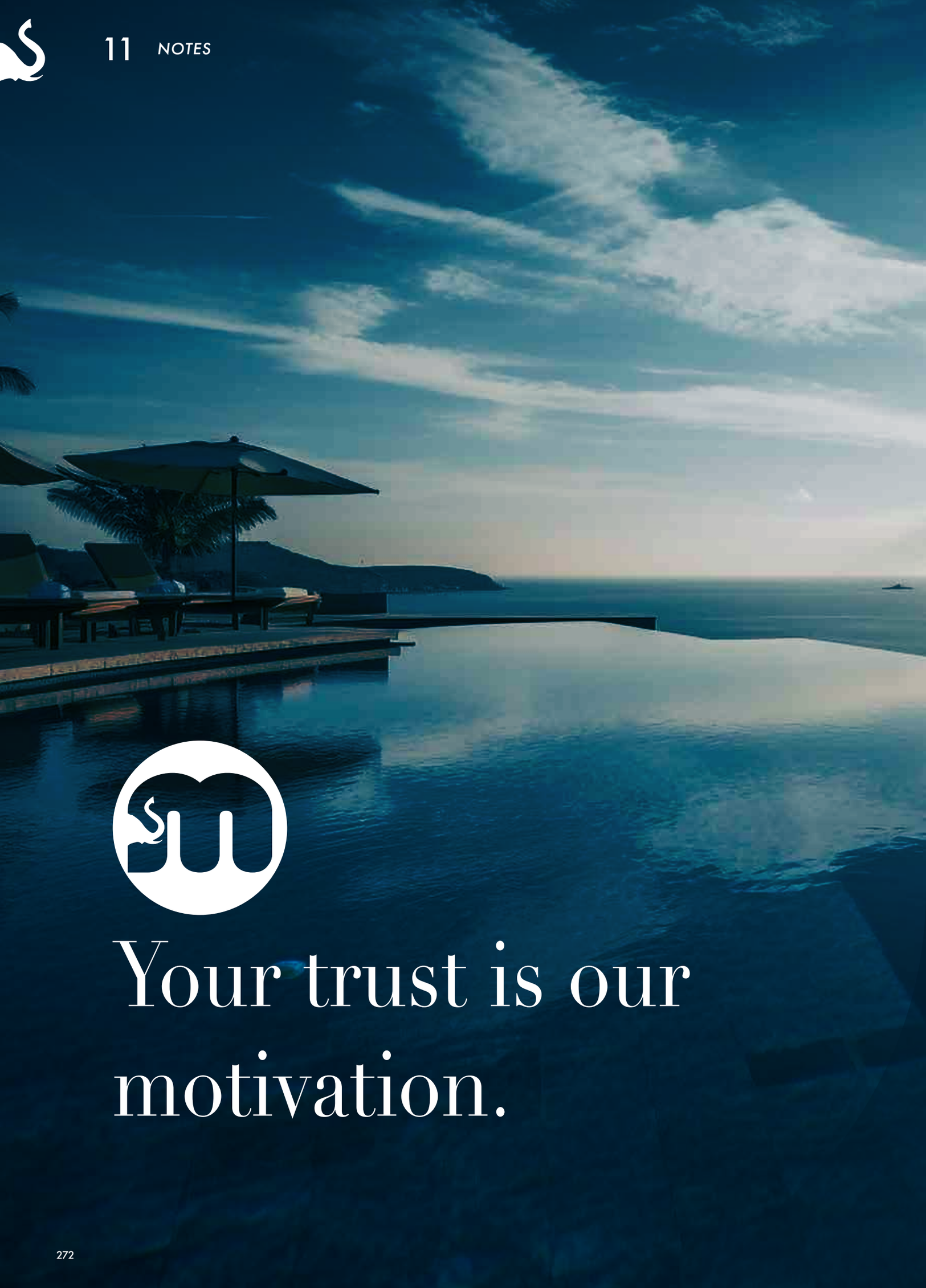
Ideal for cutting plastic and PVC pool hoses up to 63 mm. Lightweight design with multiple working ranges.
Replacement blades available.

#80359

#80359

| Article | Article Number |
|---|---|
| hose scissors 63 mm | 80359 |
| spare blade 63 mm | 80359-E1 |




Your trust is our
motivation.

# YOUR SATISFACTION IS OUR MISSION!

## NOTES

- Prices valid from March 1, 2026 until further notice.
- All prices ex works Neuhof-Dorfborn, plus packaging, breakage, glass and transport insurance, and shipping.
- Spare part prices are excluded from discounts
- Minimum order surcharge: €30.00 for orders under €75.00 net merchandise value.
- Returns accepted only in original packaging and subject to a 15% handling and restocking fee.
- Upon publication of this price list, all previous price lists, special prices, and offers become void.
- Price adjustments due to supplier price increases may occur at any time.
- Subject to errors, price changes, and technical modifications.
- Color and dimensional deviations are within standard tolerances.
- Product range, model, and color changes reserved.
- No liability for printing errors.
- Place of jurisdiction and performance is our registered office.

## HEAD OFFICE & ADDRESS

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info@midas-gmbh.de

# GENERAL TERMS AND CONDITIONS OF SALE (GTCS) OF MIDAS POOL PRODUCTS GMBH

## 1. scope of application, form

**1.1** These General Terms and Conditions of Sale (GTCS) apply to all our business relationships with our customers ("Buyer"). The GTCS shall only apply if the Buyer is an entrepreneur (Section 14 of the German Civil Code (BGB)), a legal entity under public law or a special fund under public law. Upon conclusion of the contract, the Buyer confirms that it is an entrepreneur, a legal entity under public law or a special fund under public law.

**1.2** The GTCS apply in particular to contracts for the sale and/or delivery of movable goods ("Goods"), irrespective of whether we manufacture the Goods ourselves or purchase them from suppliers (Sections 433, 650 BGB). Unless otherwise agreed, the GTCS in the version valid at the time of the Buyer's order or in any case in the version last communicated to him in text form shall also apply as a framework agreement for similar future contracts without us having to refer to them again in each individual case.

**1.3** Our GTC apply exclusively. Deviating, conflicting or supplementary general terms and conditions, in particular the Buyer's terms and conditions of purchase, shall only become part of the contract if and to the extent that we have expressly agreed to their validity. This requirement of consent shall apply in any case, for example, even if the Buyer refers to his General Terms and Conditions in the context of the order and we do not expressly object to them.

**1.4** Individual agreements (e.g. framework supply agreements) and information in our order confirmation take precedence over the GTCS.

**1.5** All agreements made with us are recorded in text form and are only valid if they are made at least in text form. Collateral agreements and assurances as well as amendments or supplements to a contract concluded in text form must be made in text form. This also applies to the waiver of the text form requirement.

## 2. offer and order confirmation

**2.1** Our offers are subject to change and non-binding. This shall also apply if we have provided the Buyer with catalogs, technical documentation (e.g. drawings, plans, calculations, references to DIN standards), other product descriptions or documents - also in electronic form - to which we reserve ownership rights and copyrights in accordance with the following Section 2.4.

**2.2** The order of the goods by the Buyer shall be deemed a binding contractual offer. Unless otherwise stated in the order, we are entitled to accept this contractual offer within 5 days of its receipt by us.

**2.3** Acceptance can be declared either by our order confirmation or by delivery of the goods to the buyer.

**2.4** As the supplier, we reserve all property rights and copyrights to all offer documents, drawings, calculations, illustrations and similar information, whether tangible or intangible, including the electronic form of these documents. Third parties They may only be made accessible to third parties with our written consent and must be returned to us immediately upon request if the order is not concluded.

**2.5** For deliveries abroad and for the first order of a new customer, the remuneration to be paid to us must always be paid in full in advance.

## 3. delivery period and delay in delivery

**3.1** The delivery period shall be agreed individually by stating the delivery period in our order confirmation upon acceptance of the order. If this is not the case, the delivery period is approx. 4 weeks from conclusion of the contract.

**3.2** If we are unable to meet binding delivery deadlines for reasons for which we are not responsible (non-availability of the service), we shall inform the buyer of this immediately and at the same time inform the buyer of the expected new delivery deadline. If the service is also not available within the new delivery period, we shall be entitled to withdraw from the contract in whole or in part; we shall immediately reimburse any consideration already paid by the Buyer. Non-availability of the service is for example in the event of late delivery to us by our suppliers, if we have concluded a congruent hedging transaction, in the event of other disruptions in the supply chain, for example due to force majeure or if we are not obliged to procure in individual cases.

**3.3** The occurrence of our delay in delivery shall be determined in accordance with the statutory provisions. In any case, however, a reminder from the buyer is required. If we are in default of delivery, the buyer may demand lump-sum compensation for the damage caused by the delay. The lump-sum compensation shall amount to 0.5% of the net price (delivery value) for each completed calendar week of delay, up to a maximum of 5% of the delivery value of the goods delivered late. We reserve the right to prove that the buyer has not suffered any damage at all or only a significantly lower damage than the above lump sum.

**3.4** The rights of the Buyer pursuant to § 8 of these GTCS and our statutory rights, in particular in the event of an exclusion of the obligation to perform (e.g. due to impossibility or unreasonableness of performance impossibility or unreasonableness of performance and/or subsequent performance) shall remain unaffected.

**3.5** Partial deliveries are permissible if they are reasonable for the buyer, taking into account the interests of both parties.

## 4. Delivery, transfer of risk, acceptance, default of acceptance, return

**4.1** Delivery shall be made in accordance with the trade term specified in the individual contract or our offer and/or our order confirmation, for the interpretation of which the INCOTERMS® 2020 shall apply. Unless expressly agreed otherwise, deliveries shall be made ex works of the supplier (36119 Neuhof, In der Eller 27), which is also the place of performance for the delivery and any subsequent performance. At the request and expense of the Buyer, the goods shall be shipped to another destination (sale to destination). Unless otherwise agreed, we shall be entitled to determine the type of shipment (in particular transport company, shipping route, packaging) ourselves.

**4.2** The risk of accidental loss and accidental deterioration of the goods shall pass to the Buyer upon delivery in accordance with Section 4.1. In the case of sale by dispatch, however, the risk of accidental loss and accidental deterioration of the goods as well as the risk of delay shall in any case pass to the Buyer upon delivery of the goods to the forwarding agent, carrier or other person or institution designated to carry out the shipment. person or institution designated to carry out the shipment. If acceptance has been agreed, this shall be decisive for the transfer of risk. The statutory provisions of the law on contracts for work and services shall also apply accordingly to any agreed acceptance. If the Buyer is in default of acceptance, this shall be deemed equivalent to handover or acceptance.

**4.3** If the buyer is in default of acceptance, fails to cooperate or if our delivery is delayed for other reasons for which the buyer is responsible, we shall be entitled to demand compensation for the resulting damage including additional expenses (e.g. storage costs). For this we shall charge a flat-rate compensation amounting to 0.5% of the purchase price per calendar week or part thereof up to a maximum total of 5% or 10% in the event of final non-collection, beginning with the first calendar week following the delivery deadline or - in the absence of a delivery deadline - with the first calendar week following the notification that the goods are ready for dispatch. Proof of higher damages and our statutory claims (in particular reimbursement of additional expenses, reasonable compensation, withdrawal) shall remain unaffected; however, the lump sum shall be offset against further monetary claims. The Buyer shall be entitled to prove that we have incurred no loss at all or only a significantly lower loss than the above lump sum.

**4.4** If, in individual cases, we agree to take back the goods and cancel the contract as a gesture of goodwill, the buyer must return the goods in their original packaging. In this case, a flat-rate compensation of 15% of the purchase price, but at least of the purchase price, but at least EUR 50.00.

## 5. Prices and terms of payment

**5.1** Unless otherwise agreed in individual cases, our current prices at the time of conclusion of the contract shall apply in EURO, ex works, plus statutory VAT.

**5.2** In the case of sale by delivery to a place other than the place of performance (Section 4 (1)), the Buyer shall bear the transportation costs ex works as well as the transport, breakage and glass insurance in the amount of 1.85% of the purchase price. If we do not invoice the transportation costs actually incurred in the individual case, a lump sum for transportation costs (excluding transport insurance) of EUR 130.00 shall be deemed agreed. Any customs duties, fees, taxes and other public charges shall be borne by the buyer.

**5.3** The purchase price is due and payable within 14 days of invoicing and delivery or acceptance of the goods. However, we are entitled at any time, even in the context of an ongoing business relationship, to make a delivery in whole or in part only against advance payment. We shall declare a corresponding reservation at the latest with the order confirmation.

**5.4** The buyer shall be in default upon expiry of the above payment deadline. During the period of default, interest shall be charged on the purchase price at the applicable statutory default interest rate. We reserve the right to claim further damages caused by default. Our claim to commercial maturity interest against merchants remains unaffected (§ 353 HGB) remains unaffected.

**5.5** The Buyer shall only be entitled to rights of set-off or retention to the extent that his claim has been legally established or is undisputed. In the event of defects in the delivery, the Buyer's counter-rights shall remain unaffected, in particular pursuant to § 7 (5) sentence 2 of these AVB remain unaffected.

**5.6** If it becomes apparent after conclusion of the contract (e.g. through an application for the opening of insolvency proceedings) that our claim to the purchase price is jeopardized by the Buyer's inability to pay, we shall be entitled to refuse performance in accordance with the statutory provisions performance and - if necessary after setting a deadline - to withdraw from the contract (§ 321 BGB). In the case of contracts for the manufacture of non-fungible goods (custom-made products), we may declare our withdrawal immediately; the statutory provisions on the dispensability of setting a deadline shall remain unaffected.

**5.7** In the event of delayed payment, we may also suspend the fulfillment of our obligations from other contracts until receipt of payment. An express written notification to the customer is not required for this

## 6. Retention of title

**6.1** We reserve title to the goods sold until full payment of all our current and future claims arising from the purchase contract and an ongoing business relationship (secured claims).

**6.2** The goods subject to retention of title may neither be pledged to third parties nor assigned as security before full payment of the secured claims. The buyer must inform us immediately in writing if an application is made to open insolvency proceedings or if third parties (e.g. seizures) have access to the goods belonging to us. seizures) are made on the goods belonging to us.

**6.3** If the Buyer acts in breach of contract, in particular in the event of non-payment of the purchase price due, we shall be entitled to withdraw from the contract in accordance with the statutory provisions and/or to demand the return of the goods on the basis of the retention of title. The demand for return does not at the same time include a declaration of withdrawal; rather, we are entitled to demand only the return of the goods and reserve the right to withdraw from the contract. If the buyer does not pay the purchase price due, we may only assert these rights if we have previously set the buyer a reasonable deadline for payment without success or if setting such a deadline is dispensable according to the statutory provisions.

**6.4** Until revoked in accordance with (c) below, the Buyer is authorized to resell and/or process the goods subject to retention of title in the ordinary course of business. In this case, the following provisions shall apply in addition.

**(a)** The retention of title shall extend to the full value of the products resulting from the processing, mixing or combining of our goods, whereby we shall be deemed to be the manufacturer. If, in the event of processing, mixing or combining with goods of third parties, their right of ownership remains, we shall acquire co-ownership in proportion to the invoice values of the processed, mixed or combined goods. Otherwise, the same shall apply to the resulting product as to the goods delivered under retention of title delivered under reservation of title.

**(b)** The Buyer hereby assigns to us as security any claims against third parties arising from the resale of the goods or the product in total or in the amount of our possible co-ownership share in accordance with the above paragraph. We accept the assignment. The obligations of the buyer mentioned in paragraph 2 shall also apply in consideration of the assigned claims.

**(c)** The buyer remains authorized to collect the claim in addition to us. We undertake not to collect the claim as long as the buyer meets his payment obligations to us, there is no deficiency in his ability to pay and we do not assert the retention of title by exercising a right in accordance with paragraph 3. If this is the case, however, we can demand that the buyer informs us of the assigned claims and their debtors, provides all information necessary for collection, hands over the relevant documents and informs the debtors (third parties) of the assignment. In this case, we are also entitled to revoke the buyer's authorization to resell and process the goods subject to retention of title.

**(d)** If the realizable value of the securities exceeds our claims by more than 10%, we shall release securities of our choice at the buyer's request.

## 7. Warranty claims of the buyer

**7.1** The statutory provisions shall apply to the Buyer's rights in the event of material defects and defects of title, unless otherwise specified below.

**7.2** The basis of our liability for defects is above all the agreement reached on the quality and intended use of the goods (including accessories and instructions). All product descriptions and manufacturer's specifications which are the subject of the individual contract or which were made public by us (in particular in catalogs or on our Internet homepage) at the time of conclusion of the contract shall be deemed to be an agreement on quality in this sense. Insofar as the quality has not been agreed, it shall be assessed in accordance with the statutory provisions whether a defect exists or not (Section 434 (3) BGB). Public statements made by the manufacturer or on its behalf, in particular in advertising or on the label of the goods, shall take precedence over statements made by other third parties.

**7.3** In principle, we are not liable for defects that the buyer is aware of or is grossly negligent in not being aware of when the contract is concluded (§ 442 BGB). Furthermore, the Buyer's claims for defects presuppose that he has complied with his statutory inspection and notification obligations (§§ 377, 381 HGB). In the case of building materials and other goods intended for installation or other further processing, an inspection must always be carried out immediately prior to processing. If a defect is discovered during delivery, inspection or at any later time, we must be notified immediately in writing. In any case, obvious defects must be reported in writing within 7 working days of delivery and defects not recognizable during the inspection within the same period from discovery. If the Buyer fails to carry out the proper inspection and/or report defects, our liability for the defect not reported or not reported on time or not reported properly shall be excluded in accordance with the statutory provisions. In the case of goods intended for assembly, mounting or installation, this shall also apply if the defect only became apparent after the corresponding processing as a result of a breach of one of these obligations; in this case, in particular, the Buyer shall have no claims for reimbursement of corresponding costs ("removal and installation costs").

**7.4** If the delivered item is defective, we may initially choose whether to provide subsequent performance by remedying the defect (subsequent improvement) or by delivering a defect-free item (replacement delivery). If the type of subsequent performance chosen by us is unreasonable for the buyer in the individual case, he may reject it. Our right to refuse subsequent performance under the statutory conditions remains unaffected.

**7.5** We are entitled to make the subsequent performance owed dependent on the buyer paying the purchase price due. However, the buyer is entitled to retain a reasonable part of the purchase price in relation to the defect.

**7.6** The Buyer shall give us the time and opportunity required for the subsequent performance owed, in particular to hand over the defective goods for inspection purposes. In the event of a replacement delivery, the Buyer shall return the defective item to us at our request in accordance with the statutory provisions; however, the Buyer shall not be entitled to return the item. Subsequent performance shall not include the removal, dismantling or disassembly of the defective item or the installation, attachment or assembly of a defect-free item if we were not originally obliged to perform these services; the Buyer's claims for reimbursement of corresponding costs ("dismantling and assembly costs") shall remain unaffected and installation costs") remain unaffected.

**7.7** We shall bear or reimburse the expenses necessary for the purpose of inspection and subsequent performance, in particular transport, travel, labor and material costs as well as any dismantling and installation costs, in accordance with the statutory provisions and these GTCS, if a defect actually exists. Otherwise, we may demand compensation from the Buyer for the costs incurred as a result of the unjustified request to remedy the defect if the Buyer knew or was negligently unaware that there was in fact no defect.

**7.8** If a reasonable deadline to be set by the buyer for subsequent performance has expired without success or is dispensable in accordance with the statutory provisions, the buyer may withdraw from the purchase contract or reduce the purchase price in accordance with the statutory provisions. In the case of an insignificant defect, however, there is no right of withdrawal.

**7.9** Claims of the buyer for damages or reimbursement of futile expenses shall only exist in accordance with § 8, even in the case of defects, and are otherwise excluded.

**7.10** Claims of the buyer according to § 445a BGB exist for transport, travel, labor and material costs and, if applicable, dismantling and installation costs. The buyer cannot claim any other compensation or profit margin. Should personnel costs be incurred, our hourly rates for replacement work shall apply (Annex 1).

## 8. Other liability

**8.1** Unless otherwise stated in these GTCS, including the following provisions, we shall be liable in the event of a breach of contractual and non-contractual obligations in accordance with the statutory provisions.

**8.2** We shall be liable for damages - irrespective of the legal grounds - within the scope of fault-based liability in cases of intent and gross negligence. In the event of simple negligence, we shall only be liable, subject to statutory limitations of liability (e.g. care in our own affairs; insignificant breach of duty), only

**a)** for damages resulting from injury to life, limb or health.

**b)** for damages arising from the breach of an essential contractual obligation (an obligation whose fulfillment is essential for the proper execution of the contract and on whose compliance the contractual partner regularly relies and may rely); in this case, however, our liability is limited to compensation for the foreseeable, typically occurring damage.

**8.3** The limitations of liability resulting from paragraph 2 shall also apply to third parties and to breaches of duty by persons (including in their favor) whose fault we are responsible for in accordance with statutory provisions. They shall not apply if a defect has been fraudulently concealed or a guarantee for the quality of the goods has been assumed69 and for claims of the buyer under the Product Liability Act.

**8.4** The Buyer may only withdraw from or terminate the contract due to a breach of duty that does not consist of a defect if we are responsible for the breach of duty. A free right of termination of the buyer (in particular in accordance with §§ 650, 648 BGB) is excluded. In all other respects, the statutory requirements and legal consequences shall apply.

## 9. Statute of limitations

**9.1** Notwithstanding § 438 Para. 1 No. 3 BGB, the general limitation period for claims arising from material defects and defects of title is one year from delivery. If acceptance has been agreed, the limitation period shall commence upon acceptance.

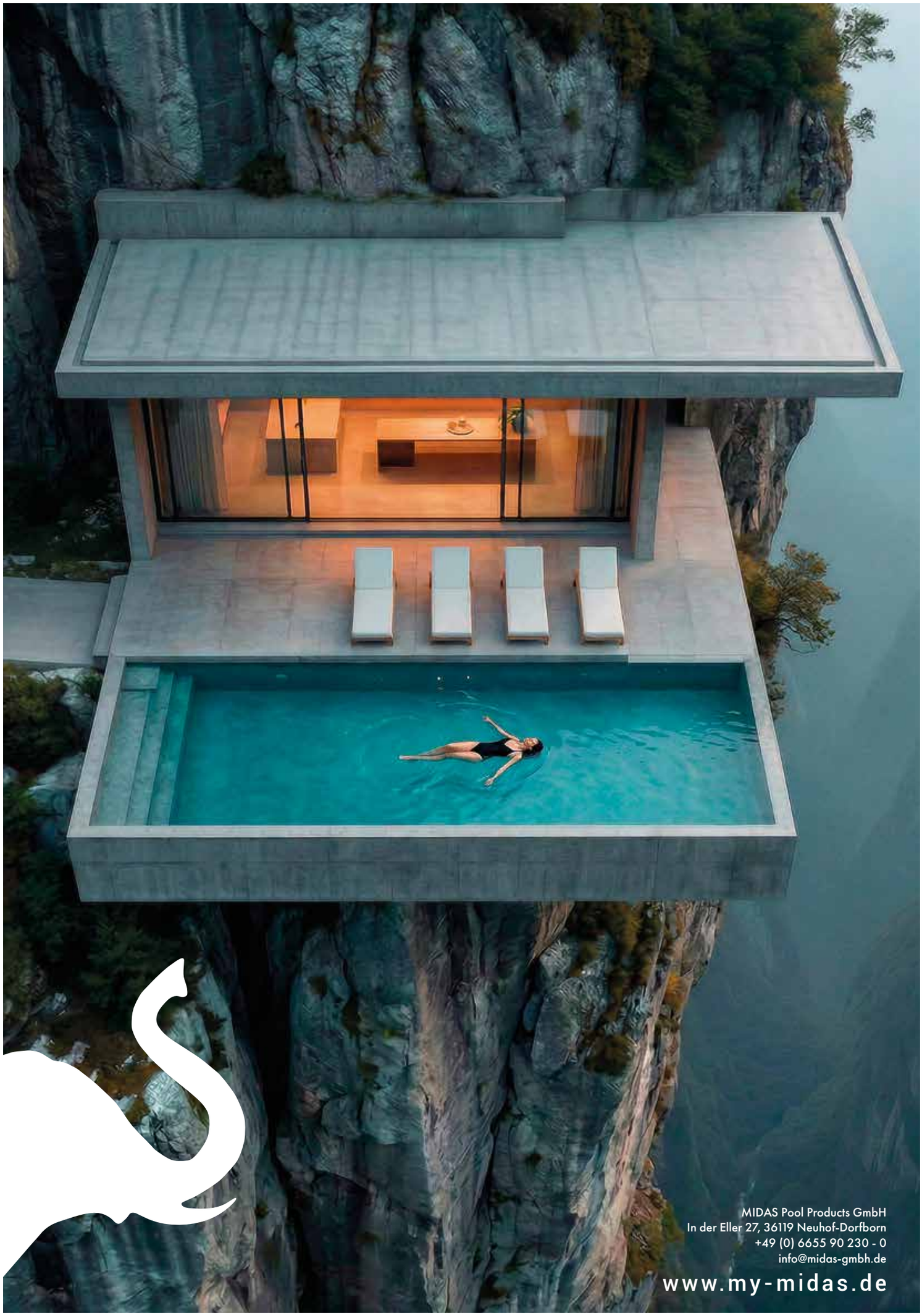
**9.2** If the goods are a building or an item that has been used for a building in accordance with its normal use and has caused its defectiveness (building material), the limitation period is 5 years from delivery in accordance with the statutory regulation (§ 438 Para. 1 No. 2 BGB). Other special statutory provisions on the limitation period remain unaffected (in particular § 438 Para. 1 No. 1, Para. 3, §§ 444, 445b BGB).

**9.3** The above limitation periods of the law on sales shall also apply to contractual and non-contractual claims for damages of the Buyer based on a defect of the goods, unless the application of the regular statutory limitation period (§§ 195, 199 BGB) would lead to a shorter limitation period in individual cases. The Buyer's claims for damages pursuant to § 8 para. 2 sentence 1 and sentence 2(a) and pursuant to the Product Liability Act shall become time-barred exclusively in accordance with the statutory limitation periods.

## 10. Choice of law and place of jurisdiction

**10.1** These GTCS and the contractual relationship between us and the Buyer shall be governed by the law of the Federal Republic of Germany to the exclusion of international uniform law, in particular the UN Convention on Contracts for the International Sale of Goods.

**10.2** If the buyer is a merchant within the meaning of the German Commercial Code, a legal entity under public law or a special fund under public law, the exclusive - also international - place of jurisdiction for all disputes arising directly or indirectly from the contractual relationship shall be the registered office of our company. The same applies if the buyer is an entrepreneur within the meaning of § 14 BGB. However, in all cases we shall also be entitled to bring an action at the place of performance of the delivery obligation in accordance with these GTCS or an overriding individual agreement or at the Buyer's general place of jurisdiction. Overriding statutory provisions, in particular regarding exclusive jurisdiction, shall remain unaffected.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