BADU®

Pool technologies and solutions

Swimming pool
Private > Allround

Your own pool

For the simple joys of life.

Hello

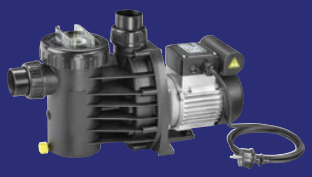
Finally, your own pool. Enjoy the sun. Paddle in refreshingly cool water.
Jump into soothing water and cool down after a hot day.
Who wouldn't want that...?
BADU makes it possible. BADU Allround products are attractive
for both pool technology beginners and those who are more advanced -
in well-known BADU quality. For everyone and every wallet.
Profit from our experience and our passion!

Content

Current BADU news

speck-pumps.com YouTube Facebook LinkedIn

BADU® Bestsellers



BADU Magic II
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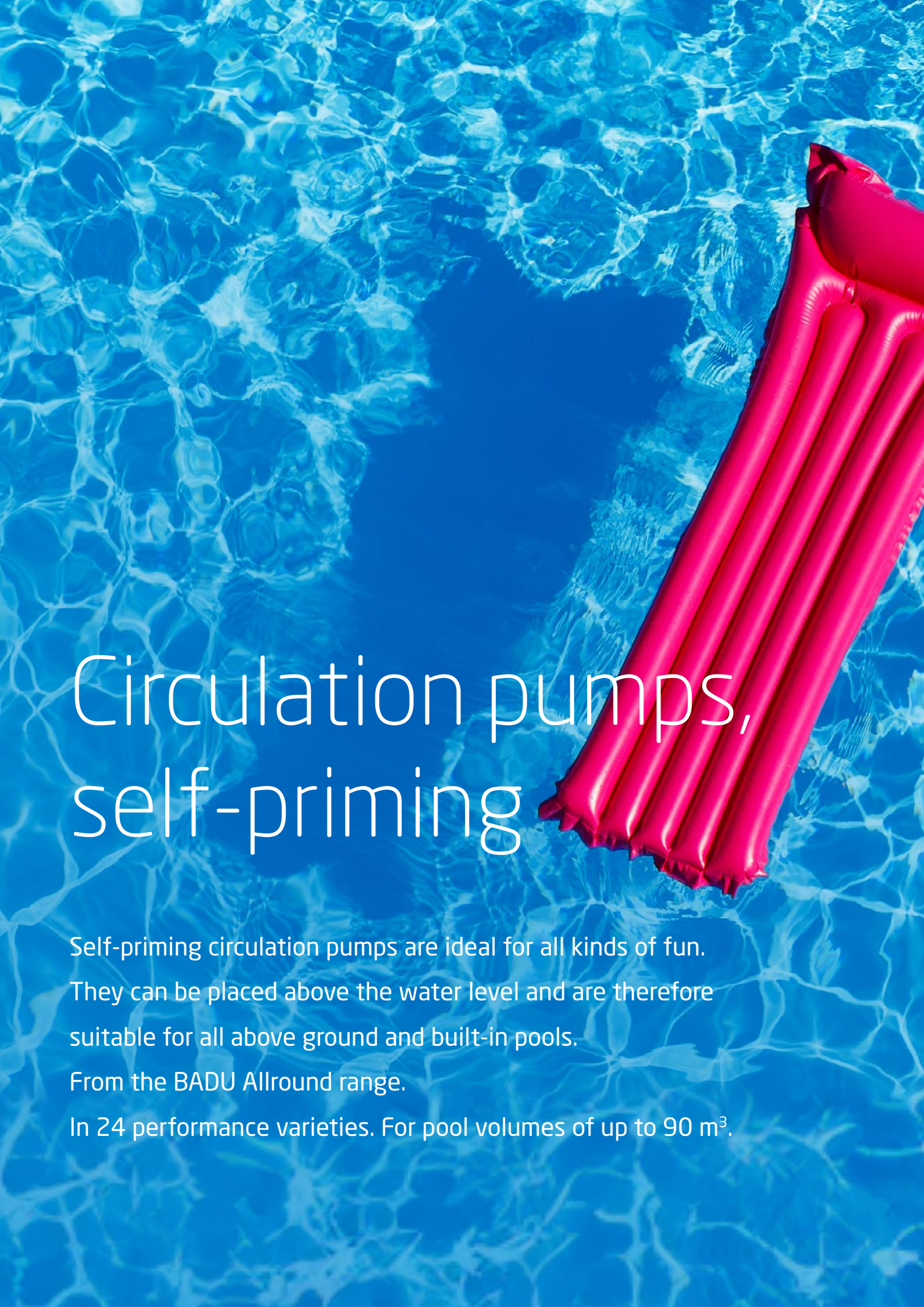
POOL TECHNOLOGY



Circulation pumps, self-priming

Self-priming circulation pumps are ideal for all kinds of fun.
They can be placed above the water level and are therefore suitable for all above ground and built-in pools.
From the BADU Allround range.
In 24 performance varieties. For pool volumes of up to 90 m^3.

Product overview

BADU Picco II
Performance: 5 m³/h
Pool size: 10-30 m³
Page 8

BADU Magic II
Performance: 4-11 m³/h
Pool size: 10-60 m³
Page 10

BADU Top II
Performance: 8-14 m³/h
Pool size: 30-90 m³
Page 12

BADU SuperPro, Rp 1½
Performance: 8-36 m³/h
Pool size: 30-180 m³
Page 14

BADU SuperPro, Rp 2
Performance: 9-40 m³/h
Pool size: 30-200 m³
Page 16

The pumps pictured above can be used for pool water with a salt concentration of up to 0.5 %, i.e. 5 g/l.
For higher salt concentrations please contact us.

BADU® Picco II

Compact, versatile and with a flexible hose connection. Developed for small pools and above ground pools.

Field of application

Swimming pool water circulation through a filter system. The pump can be installed max. 1.5 m above or max. 3 m below water level.

Design

Monoblock-type pump with integrated strainer tank.
The bellow-type mechanical seal is mounted on a plastic shaft protector sleeve.
Motor/pump has no contact with the pool water providing complete electrical separation.
Strainer tank capacity ..... approx. 0.5 l
Strainer basket mesh size ..... approx. 2.8 x 2.8 mm

Materials used

Pump casing ..... PP
Housing cover ..... PP TV 40
Impeller ..... PPE GF 30
Strainer basket ..... PP
Lid ..... PC, transparent/ABS
Mechanical seal ..... carbon/ceramic/NBR
Screws ..... stainless steel
Elastomers ..... NBR

Technical data at 50 Hz	BADU Picco	II
Inlet Sa/outlet connection Da socket		Special union with hose adapter Ø 38/Ø 32/Ø 38*)
Rec. inlet/outlet pipe, hose, d[3)]		1½"/1½" or 1¼"
Power input P_1/output P_2[1)] (kW)	1~ 230 V	0.39/0.20
Rated current (A)	1~ 230 V	1.95

For detailed technical data regarding motors/devices please see page 38.

*) Further connection options available on request. | Technical data may vary.

Article no	Description	Voltage	Power output P_2
219.1028.038	BADU Picco II	1~ 230 V	0.20 kW

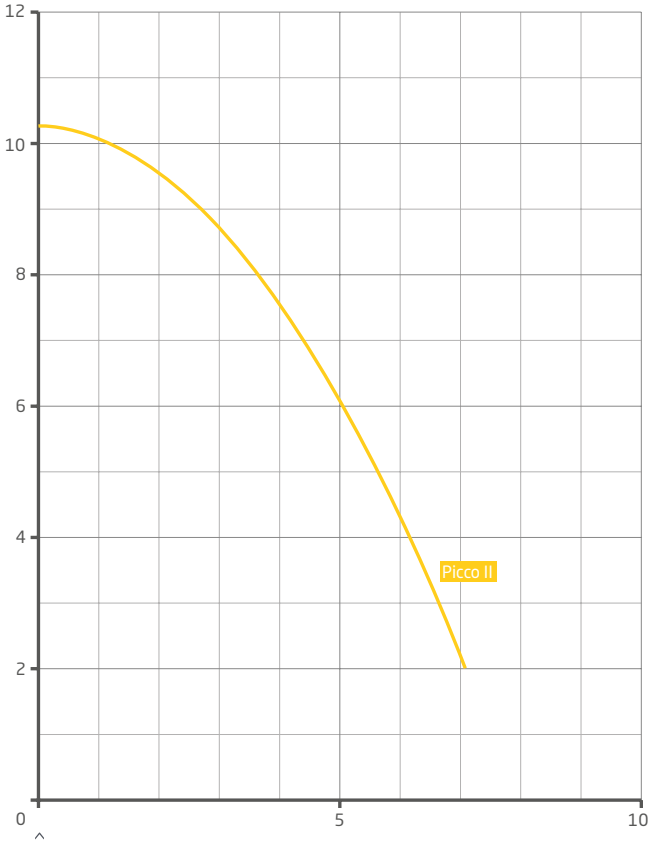
< Ready to plug in with 3.0 m cable

www.tuv.com
ID 0000021507

5 m³/h

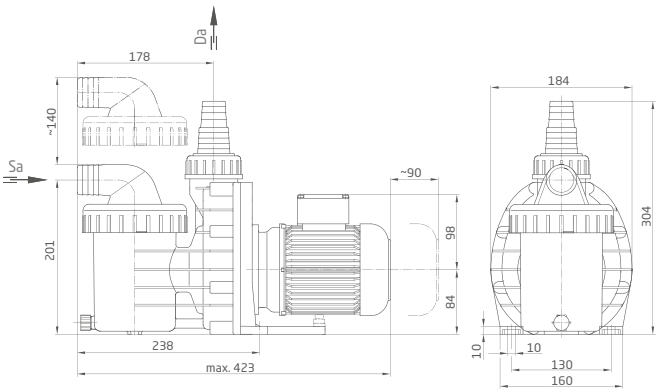
10-30 m³

Characteristics



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

Dimensions



Detailed dimensions available on request or at badu.de

BADU® Magic II

The ideal introductory pump with many connection variations. Tried and tested in small to medium-size filter units.

Field of application

Swimming pool water circulation through a filter system.
The pump can be installed max. 2 m above or max. 3 m below water level.

Design

Monoblock-type pump with integrated strainer tank.
The bellow-type mechanical seal is mounted on a plastic shaft protector sleeve.
Motor/pump has no contact with the pool water providing complete electrical separation.
Strainer tank capacity ..... approx. 0.5 l
Strainer basket mesh size ..... approx. 2.8 x 2.8 mm

Materials used

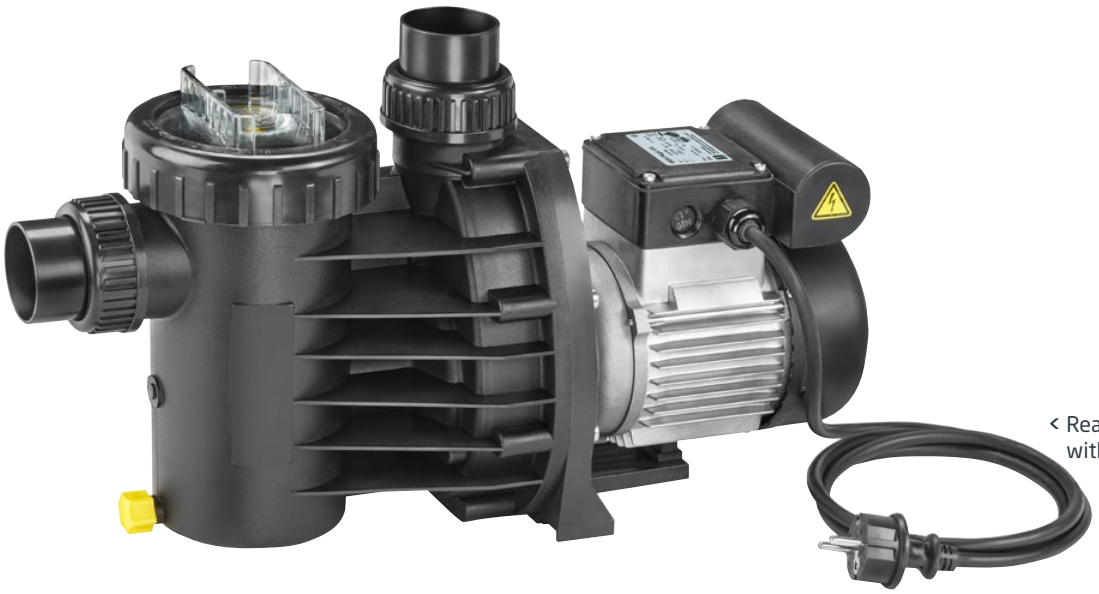
Pump casing ..... PP
Housing cover ..... PP TV 40
Impeller ..... PPE GF 30
Strainer basket ..... PP
Lid ..... PC, transparent/ABS
Glue socket ..... ABS
Mechanical seal ..... carbon/ceramic/NBR
Screws ..... stainles steel
Elastomers ..... NBR

Technical data at 50 Hz	BADU Magic	II/4	II/6	II/8	II/11
Inlet Sa/outlet connection Da	Special union with glue socket d = 50 or hose adapter for 1¼" and/or 1½" hose is included.				
Rec. inlet/outlet pipe, PVC pipe, d[3)]		50/40	50/40	50/50	50/50
Rec. inlet/outlet pipe, hose, d[3)]		1½"/1¼"	1½"/1¼"	1½"/1½"	1½"/1½"
Power input P_1/output P_2[1)] (kW)	1~ 230 V	0.35/0.18	0.45/0.25	0.61/0.40	0.72/0.45
Rated current (A)	1~ 230 V	1.95	2.30	2.70	3.20

For detailed technical data regarding motors/devices please see page 38.

Technical data may vary.

Article no	Description	Voltage	Power output P_2
219.1048.038	BADU Magic II/4	1~ 230 V	0.18 kW
219.1068.038	BADU Magic II/6	1~ 230 V	0.25 kW
219.1088.038	BADU Magic II/8	1~ 230 V	0.40 kW
219.1118.038	BADU Magic II/11	1~ 230 V	0.45 kW



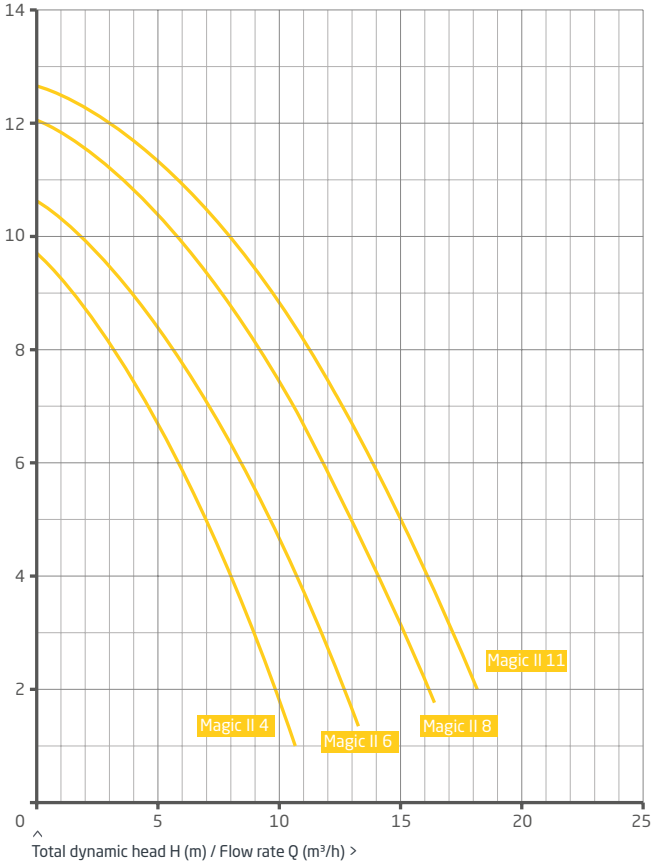
< Ready to plug in with 3.0 m cable

www.tuv.com
ID 0000021507

4-11 m³/h

10-60 m³

Characteristics



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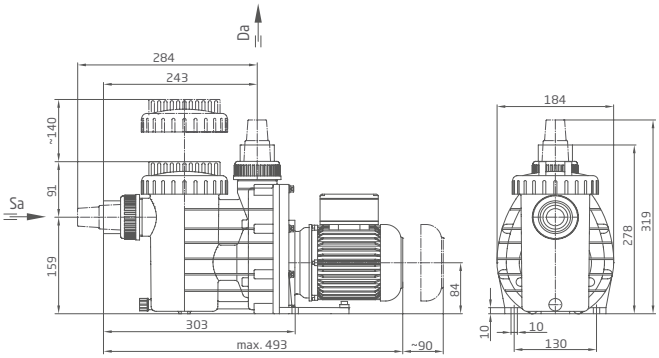


Detailed dimensions available on request or at badu.de

BADU® Top II

Tried and tested for constant operation with high performance and flexibility. For medium-size and above ground pools or smaller swimming ponds.

Field of application

Swimming pool water circulation through a filter system. The pump can be installed max. 3 m above or below water level.

Design

Monoblock-type pump with integrated strainer tank.
The bellow-type mechanical seal is mounted on a plastic shaft protector sleeve.
Motor/pump has no contact with the pool water providing complete electrical separation.
Strainer tank capacity ..... approx. 3 l
Strainer basket mesh size ..... approx. 3.2 x 2.6 mm

Materials used

Pump casing ..... PP TV 20
Intermediate housing ..... PP TV 40
Gland housing ..... PP TV 40
Diffuser ..... PP TV 40
Impeller ..... PPE GF 30
Strainer basket ..... PP
Lid ..... PC, transparent/PA 66 GF 30
Mechanical seal ..... carbon/ceramic/NBR
Screws ..... galvanised steel
Elastomers ..... NBR

Technical data at 50 Hz	BADU Top	II/8	II/12	II/14
Inlet Sa/outlet connection Da Rp[2)]		2/1½	2/1½	2/1½
Rec. inlet/outlet pipe, PVC pipe d[3)]		50/50	50/50	63/50
Power input P_1/output P_2[1)] (kW)	1~ 230 V	0.57/0.30	0.72/0.45	0.97/0.65
Rated current (A)	1~ 230 V	2.60	3.20	4.70

For detailed technical data regarding motors/devices please see page 38.

Technical data may vary.

Article no	Description	Voltage	Power output P_2
219.0088.138	BADU Top II/8	1~ 230 V	0.30 kW
219.0128.138	BADU Top II/12	1~ 230 V	0.45 kW
219.0148.138	BADU Top II/14	1~ 230 V	0.65 kW

Sickel opening device included in delivery. See page 33.

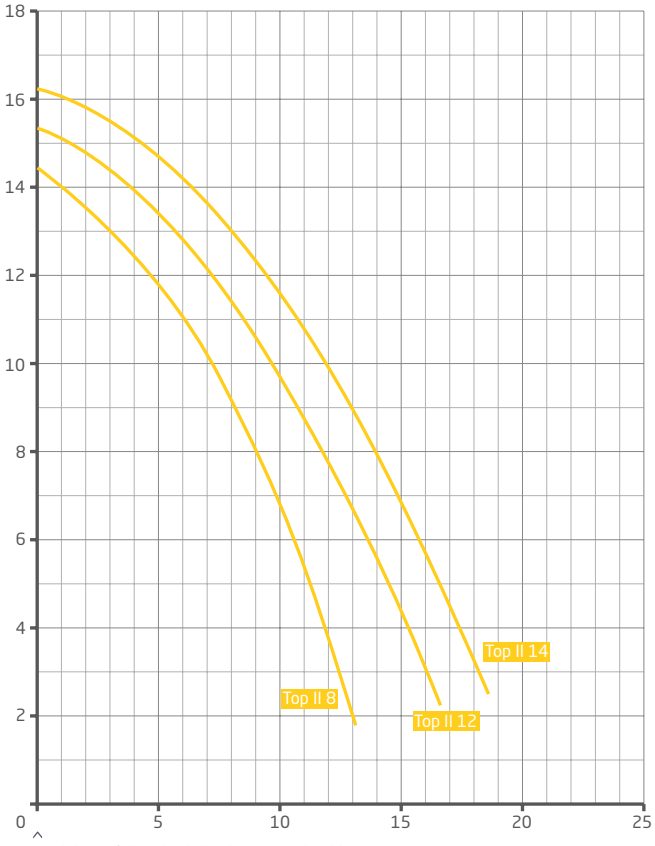
< Ready to plug in with 3.0 m cable

www.tuv.com
ID 0000021507

8-14 m³/h

30-90 m³

Characteristics



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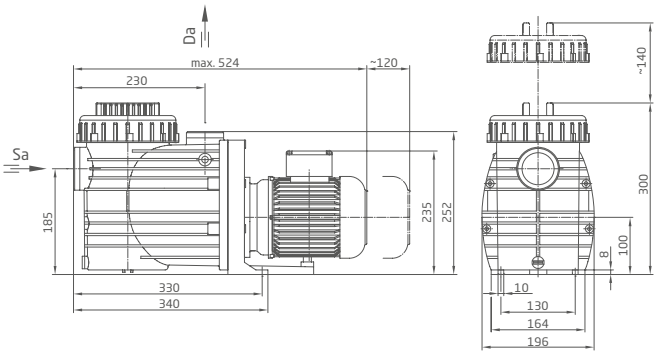

Detailed dimensions available on request or at badu.de

BADU® SuperPro

Groundbreaking and time-saving in replacements. Installing a replacement pump has never been so easy.

Field of application

Swimming pool water circulation through a filter system. The pump can be installed max. 3 m above or below water level.

Design

Monoblock-type pump with integrated strainer tank.
The bellow-type mechanical seal is mounted on a plastic shaft protector sleeve.
Motor/pump has no contact with the pool water providing complete electrical separation.
Strainer tank capacity ..... approx. 3 l
Strainer basket mesh size ..... approx. 3.2 x 2.6 mm

Please contact us for sales of this range in Germany.

Materials used

Pump casing ..... PP GF 30
Intermediate housing ..... PP GF 30
Gland housing ..... PP TV 40
Diffuser ..... PA 66 GF 30/PP GF 30/ PP TV 40/PA 6 GF 15
Impeller ..... PA 66 GF 30/PP GF 30/PPE GF 30
Strainer basket ..... PP
Lid ..... PC, transparent/PP GF 30
Mechanical seal ..... carbon/ceramic/NBR
Screws ..... stainless steel, galvanised steel
Unions with glue sockets ..... PVC-U
Elastomers ..... NBR/viton

Technical data at 50 Hz	BADU SuperPro	8	11	14	18	22	27	30	38
Inlet Sa/outlet connection Da d	**Rp 1½*)**	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
Rec. inlet/outlet pipe, PVC pipe, d[3)]		50/50	63/50	63/63	63/63	63/63	63/63	63/63	75/75
Power input P_1/output P_2[1)] (kW)	1~ 230 V	0.58/0.30	0.69/0.45	0.97/0.65	1.20/0.80	1.45/1.00	1.70/1.30	2.20/1.80	2.92/2.20
Rated current (A)	1~ 230 V	2.60	3.20	4.70	5.30	6.40	7.40	10.00	14.40
Power input P_1/output P_2[1)] (kW)	3~ Y/Δ 400/230 V	0.55/0.30	0.68/0.45	0.95/0.65	1.10/0.80	1.32/1.00	1.65/1.30	2.10/1.80	2.54/2.20
Rated current (A)	3~ Y/Δ 400/230 V	1.00/1.75	1.25/2.15	1.75/3.00	2.10/3.60	2.90/5.02	3.20/5.54	3.85/6.70	4.95/8.60

For detailed technical data regarding motors/devices please see page 38.
Technical data may vary.

*) The above-mentioned designs are suitable for the replacement of Pentair® "Superflo®" and Hayward® "Super Pump®" pumps with Rp 1½ connections.

Article no	Description	Voltage	Power output P_2
219.2100.038	BADU SuperPro 8, Rp 1½	1~ 230 V	0.30 kW
219.2140.038	BADU SuperPro 11, Rp 1½	1~ 230 V	0.45 kW
219.2170.038	BADU SuperPro 14, Rp 1½	1~ 230 V	0.65 kW
219.2200.038	BADU SuperPro 18, Rp 1½	1~ 230 V	0.80 kW
219.2260.038	BADU SuperPro 22, Rp 1½	1~ 230 V	1.00 kW
219.2320.038	BADU SuperPro 27, Rp 1½	1~ 230 V	1.30 kW
219.2380.038	BADU SuperPro 30, Rp 1½	1~ 230 V	1.80 kW
219.2480.038	BADU SuperPro 36, Rp 1½	1~ 230 V	2.20 kW
219.2100.037	BADU SuperPro 8, Rp 1½	3~ Y/Δ 400/230 V	0.30 kW
219.2140.037	BADU SuperPro 11, Rp 1½	3~ Y/Δ 400/230 V	0.45 kW
219.2170.037	BADU SuperPro 14, Rp 1½	3~ Y/Δ 400/230 V	0.65 kW
219.2200.037	BADU SuperPro 18, Rp 1½	3~ Y/Δ 400/230 V	0.80 kW
219.2260.037	BADU SuperPro 22, Rp 1½	3~ Y/Δ 400/230 V	1.00 kW
219.2320.037	BADU SuperPro 27, Rp 1½	3~ Y/Δ 400/230 V	1.30 kW
219.2380.037	BADU SuperPro 30, Rp 1½	3~ Y/Δ 400/230 V	1.80 kW
219.2480.037	BADU SuperPro 36, Rp 1½	3~ Y/Δ 400/230 V	2.20 kW

Union with Ø 50 mm glue sockets
and Rp 1½ inner thread
PVC connection pieces

< Handle

< Ready to plug in
for single-phase motors
with 3.0 m cable

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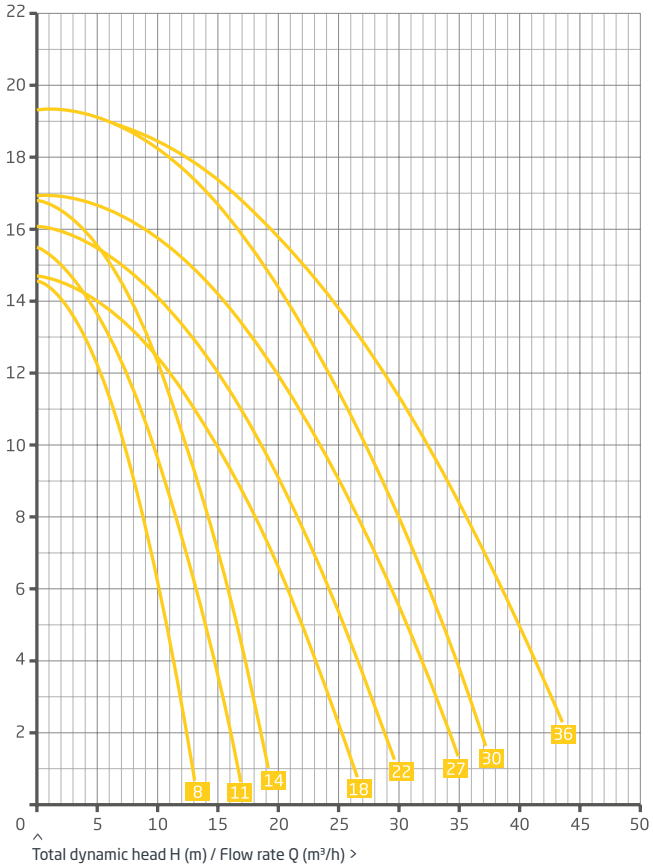
8-36 m³/h

30-180 m³

Characteristics



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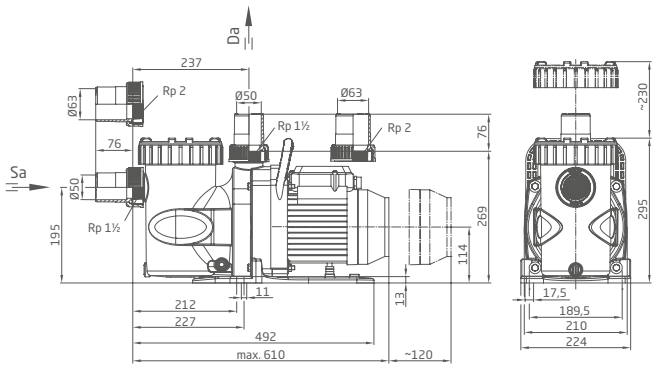

Detailed dimensions available on request or at badu.de

BADU® SuperPro

Groundbreaking and time-saving in replacements. Installing a replacement pump has never been so easy.

Field of application

Swimming pool water circulation through a filter system. The pump can be installed max. 3 m above or below water level.

Design

Monoblock-type pump with integrated strainer tank.
The bellow-type mechanical seal is mounted on a plastic shaft protector sleeve.
Motor/pump has no contact with the pool water providing complete electrical separation.
Strainer tank capacity ..... approx. 3 l
Strainer basket mesh size ..... approx. 3.2 x 2.6 mm

Please contact us for sales of this range in Germany.

Materials used

Pump casing ..... PP GF 30
Intermediate housing ..... PP GF 30
Gland housing ..... PP TV 40
Diffuser ..... PA 66 GF 30/PP GF 30/PP TV 40/PA 6 GF 15
Impeller ..... PA 66 GF 30/PP GF 30/PPE GF 30
Strainer basket ..... PP
Lid ..... PC, transparent/PP GF 30
Mechanical seal ..... carbon/ceramic/NBR
Screws ..... stainless steel, galvanised steel
Unions with glue sockets ..... PVC-U
Elastomers ..... NBR

Technical data at 50 Hz	BADU SuperPro	9	12	15	19	23	29	33	40
Inlet Sa/outlet connection Da d	**Rp 2*)**	63/63	63/63	63/63	63/63	63/63	63/63	63/63	63/63
Rec. inlet/outlet pipe, PVC pipe, d[3)]		50/50	63/50	63/63	63/63	63/63	63/63	63/63	75/75
Power input P_1/output P_2[1)] (kW)	1~ 230 V	0.58/0.30	0.69/0.45	0.97/0.65	1.20/0.80	1.45/1.00	1.70/1.30	2.20/1.80	2.92/2.20
Rated current (A)	1~ 230 V	2.60	3.20	4.70	5.30	6.40	7.40	10.00	14.40
Power input P_1/output P_2[1)] (kW)	3~ Y/Δ 400/230 V	0.55/0.30	0.68/0.45	0.95/0.65	1.10/0.80	1.32/1.00	1.65/1.30	2.10/1.80	2.54/2.20
Rated current (A)	3~ Y/Δ 400/230 V	1.00/1.75	1.25/2.15	1.75/3.00	2.10/3.60	2.90/5.02	3.20/5.54	3.85/6.70	4.95/8.60

For detailed technical data regarding motors/devices please see page 38.
Technical data may vary.

*) The above-mentioned designs are suitable for the replacement of Hayward® "Super Pump®" pumps with Rp 2 connections.

Article no	Description	Voltage	Power output P_2
219.2105.038	BADU SuperPro 9, Rp 2	1~ 230 V	0.30 kW
219.2145.038	BADU SuperPro 12, Rp 2	1~ 230 V	0.45 kW
219.2175.038	BADU SuperPro 15, Rp 2	1~ 230 V	0.65 kW
219.2205.038	BADU SuperPro 19, Rp 2	1~ 230 V	0.80 kW
219.2265.038	BADU SuperPro 23, Rp 2	1~ 230 V	1.00 kW
219.2325.038	BADU SuperPro 29, Rp 2	1~ 230 V	1.30 kW
219.2385.038	BADU SuperPro 33, Rp 2	1~ 230 V	1.80 kW
219.2485.038	BADU SuperPro 40, Rp 2	1~ 230 V	2.20 kW
219.2105.037	BADU SuperPro 9, Rp 2	3~ Y/Δ 400/230 V	0.30 kW
219.2145.037	BADU SuperPro 12, Rp 2	3~ Y/Δ 400/230 V	0.45 kW
219.2175.037	BADU SuperPro 15, Rp 2	3~ Y/Δ 400/230 V	0.65 kW
219.2205.037	BADU SuperPro 19, Rp 2	3~ Y/Δ 400/230 V	0.80 kW
219.2265.037	BADU SuperPro 23, Rp 2	3~ Y/Δ 400/230 V	1.00 kW
219.2325.037	BADU SuperPro 29, Rp 2	3~ Y/Δ 400/230 V	1.30 kW
219.2385.037	BADU SuperPro 33, Rp 2	3~ Y/Δ 400/230 V	1.80 kW
219.2485.037	BADU SuperPro 40, Rp 2	3~ Y/Δ 400/230 V	2.20 kW

Union with Ø 63 mm glue sockets
and Rp 2 inner thread
PVC connection pieces

< Handle

< Ready to plug in
for single-phase motors
with 3.0 m cable

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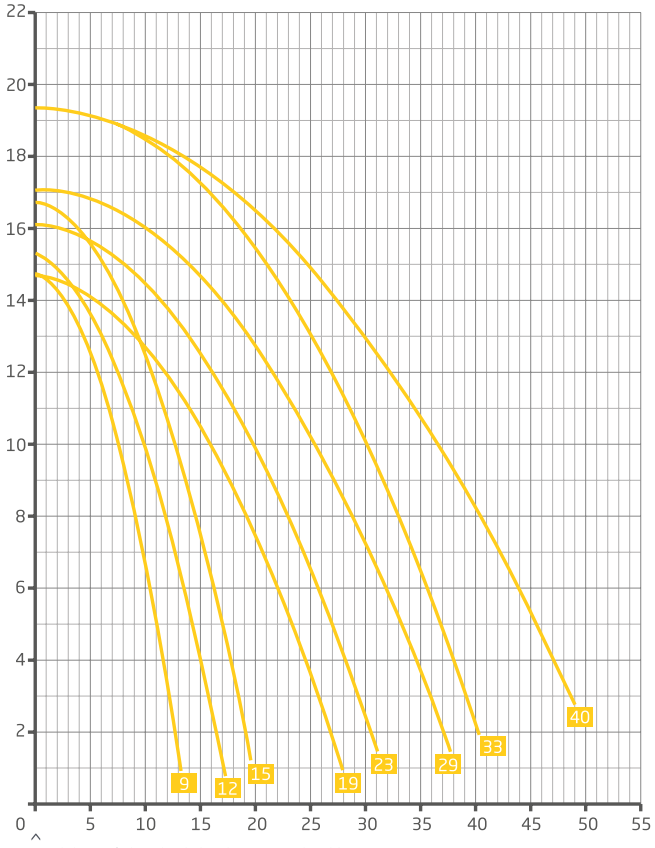
ID 0000021507

9-40 m³/h

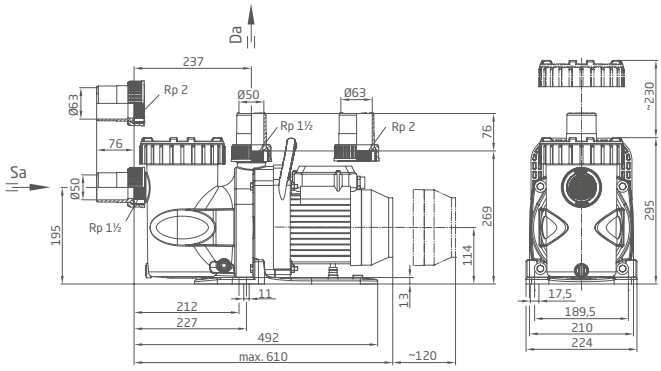
30-200 m³

Characteristics

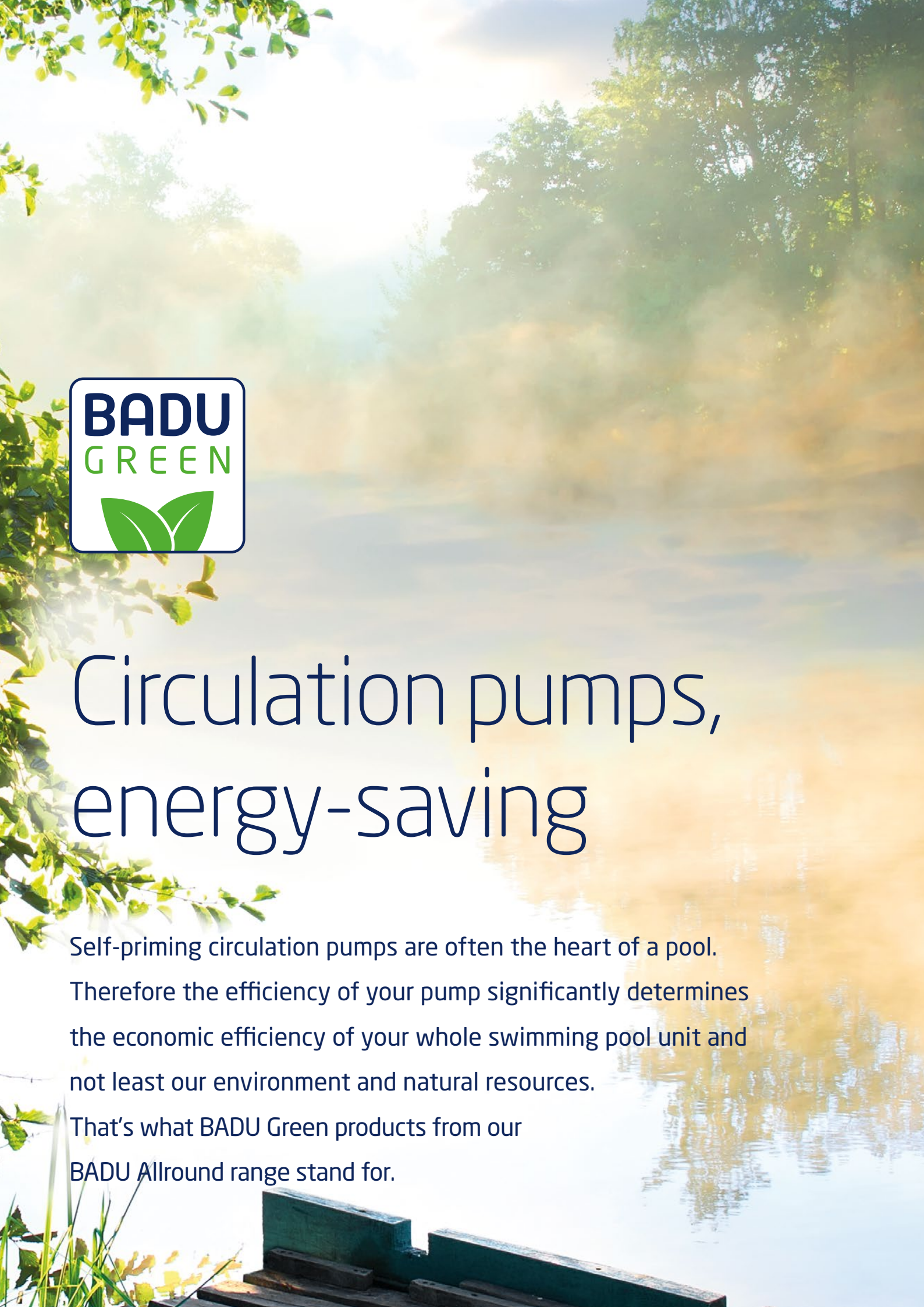


Total dynamic head H (m) / Flow rate Q (m³/h) >

Dimensions



Detailed dimensions available on request or at badu.de



Circulation pumps, energy-saving

Self-priming circulation pumps are often the heart of a pool. Therefore the efficiency of your pump significantly determines the economic efficiency of your whole swimming pool unit and not least our environment and natural resources. That's what BADU Green products from our BADU Allround range stand for.

Product overview

BADU Eco Touch-Pro II
Performance: 25 m³/h
Pool size: 30-90 m³
Page 20

BADU® Green app

Calculate the energy efficiency and performance of your BADU Green circulation pump.

Right from the start, BADU Green circulation pumps were designed for the best possible efficiency and therefore also with the environment in mind. However, whether or not a pump is the right choice for you, is a different question. You can find the answer easily by using the BADU Green app for iOS and Android operating systems.

The pump pictured above can be used for pool water with a salt concentration of up to 0.5 %, i.e. 5 g/l.
For higher salt concentrations please contact us.

BADU® Eco Touch-Pro II

Solid and focused on efficiency.
The intelligent circulation pump for beginners.

Field of application

Swimming pool water circulation through a filter system. The pump can be installed max. 3 m above or below water level.

Design

Monoblock-type pump with integrated strainer tank.
The bellow-type mechanical seal is mounted on a plastic shaft protector sleeve.
Motor/pump has no contact with the pool water providing complete electrical separation.
Strainer tank capacity ..... approx. 3 l
Strainer basket mesh size ..... approx. 3.2 x 2.6 mm

Can be controlled using the BADU Netlink remote control.

Materials used

Pump casing ..... PP TV 20
Intermediate housing ..... PP TV 40
Gland housing ..... PP TV 40
Diffuser ..... PA 6 GF 15
Impeller ..... PA 66 GF 30
Strainer basket ..... PP
Lid ..... PC, transparent/PA 66 GF 30
Glue socket ..... ABS
Mechanical seal ..... carbon/ceramic/NBR
Screws ..... galvanised stainless steel
Elastomers ..... NBR

Technical data at 50/60 Hz	BADU Eco Touch-Pro	II
Inlet Sa/outlet connection Da d[3)]		63/50
Rec. inlet/outlet pipe, PVC pipe, d[3)]		63/50
Power input P_1/output P_2[1)] (kW)	1~ 230 V	0.08-1.05/0.03-0.75
Rated current (A)	1~ 230 V	0.60-7.00

For detailed technical data regarding motors/devices please see page 38.

Technical data may vary.

Article no	Description	Voltage	Power output P_2
219.0008.038	BADU Eco Touch-Pro II	1~ 230 V	0.75 kW

Universal opening device included in delivery. See page 33.

< Motor display with intuitive control

< With 3.0 m power cable

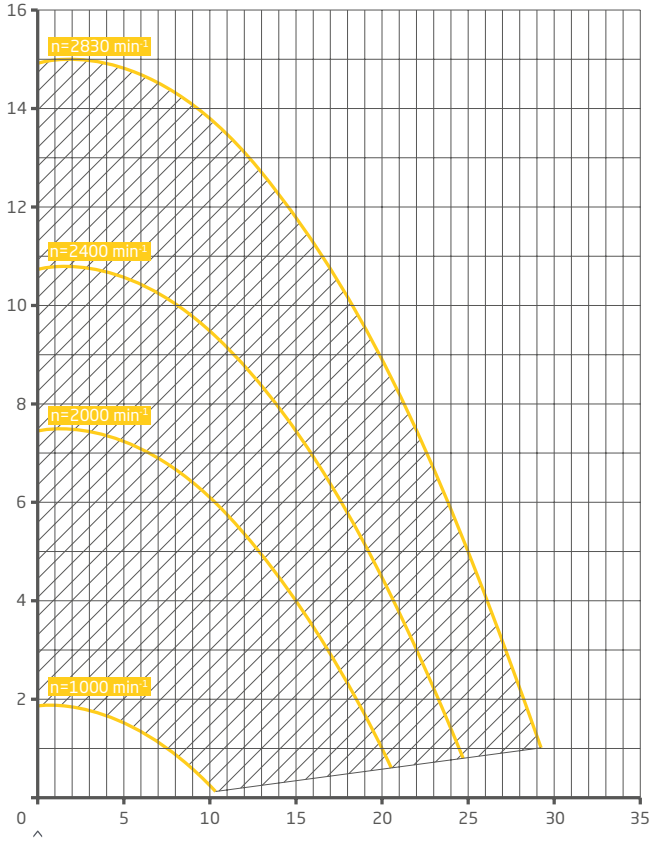
TÜVRheinland ZERTIFIZIERT
www.tuv.com
ID 0000021507

BADU GREEN

25 m³/h

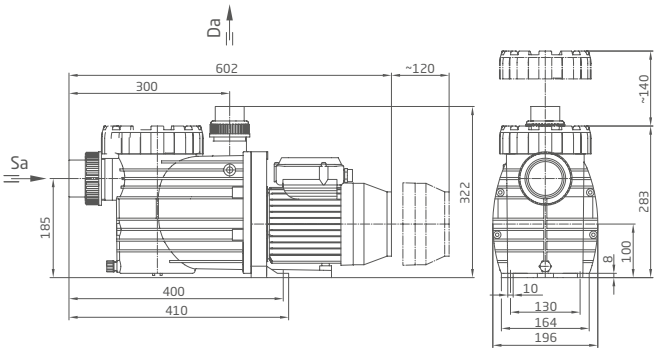
30-90 m³

Characteristics

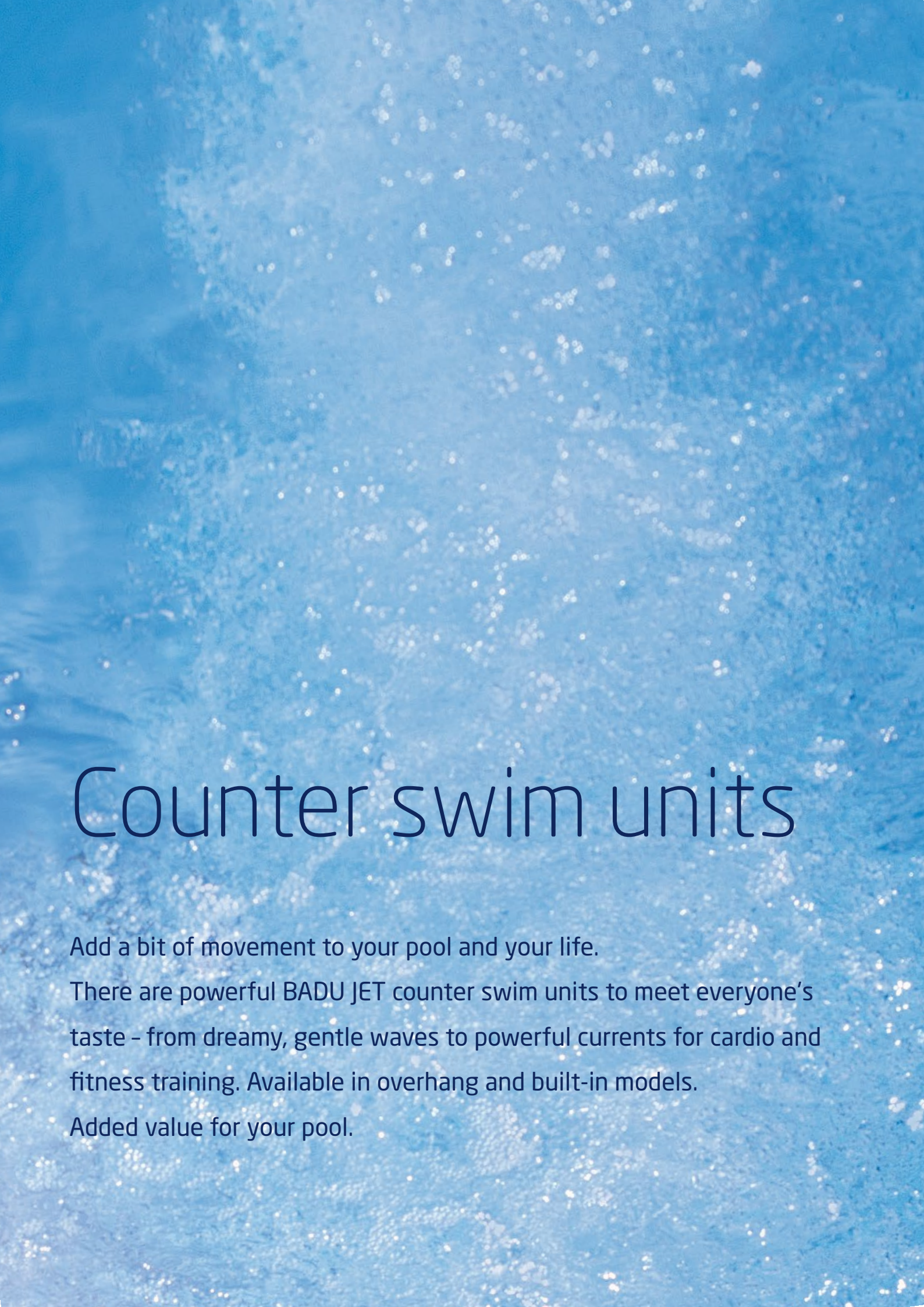


Total dynamic head H (m) / Flow rate Q (m³/h) >

Dimensions



Detailed dimensions available on request or at badu.de



Counter swim units

Add a bit of movement to your pool and your life.
There are powerful BADU JET counter swim units to meet everyone's taste – from dreamy, gentle waves to powerful currents for cardio and fitness training. Available in overhang and built-in models.
Added value for your pool.

Product overview

BADU JET Smart
Performance: 45 m³/h
Page 24

BADU JET Wave
Performance: 58 m³/h
Page 26

BADU JET Active Version 2
Performance: 20 m³/h
Page 28

BADU® JET Smart

Compact, built-in unit for beginners brings movement and fun to the water.

Field of application

For mounting into walls of all pool models, as a conversation piece, for fitness training, as a wave or bubble bath, for underwater massages (consult physician), for endless, no-turn swimming even in the smallest pool.

Design

A powerful jet pump is connected via suction and pressure lines with the plastic jet housing which is flush-mounted into the pool wall. The BADU pump draws the water in and returns it to the swimming pool with a powerful stream via an adjustable nozzle which swivels 60° in each direction.
The large number of openings around the nozzle housing guarantees an extremely low priming flow.
The pneumatic on/off switch and the regulation for the air intake, which gives the sparkling bubble bath effect, are both integrated in the nozzle housing.

Materials used

Main housing ..... ABS
Nozzle housing ..... ABS
Interior parts ..... ABS/stainless steel
Suction/pressure line ..... PVC
Ball valves and fittings ..... PVC

For recommended accessories see page 32.

Technical data at 50 Hz	BADU JET Smart	21-50/44 GT 27°	21-50/43 GT 27°
Pump flow rate (m³/h)	3~ /1~	45	40
Voltage	3~ /1~	3 N~ 400/230 V	1~ 230 V
Power input P_1/output P_2 [1)] (kW)		2.74/2.20	2.12/1.60
Number of nozzles (Ø 40 mm)		1	1
Flow pressure at nozzle (bar)	3~ /1~	1.00	0.90
Flow velocity in centre 2 m from the nozzle (m/s)	3~ /1~	1.00	1.00
Max. massage pressure (bar)	3~ /1~	1.70	1.70
Multi-directional swivel nozzle (degrees)		60	60

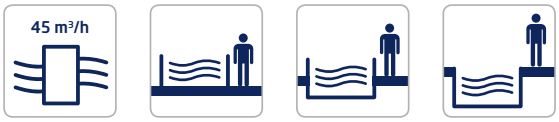
For detailed technical data regarding motors/devices please see page 38.

Technical data may vary.

Article no	Description	Variation	Voltage	Power output P_2
232.1100.000	BADU JET Smart	Pre-assembly kit		
230.0400.000	BADU JET Smart	Final assembly kit	1~ 230 V	1.60 kW
230.0200.000	BADU JET Smart	Final assembly kit	3 N~ 400/230 V	2.20 kW
232.1300.001	Ball valve kit			
230.0010.000	Stainless steel hand rail for BADU JET Smart, 25 x 250 mm, complete			

When ordering a complete unit please indicate the article number of the pre-assembly kit **and** the final assembly kit.
If you require a unit in the ball valve version, please also order the ball valve kit.

With plastic cover >



Scope of supply

Pre-assembly kit

> Plastic main housing
> Clamping ring, screw and seals

Final assembly kit

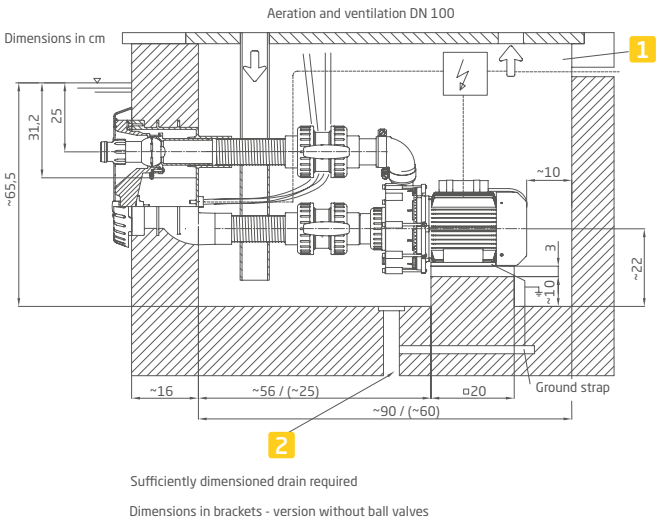
> Complete nozzle housing, with a swivelling nozzle and screws
> Plastic cover
> Suction/pressure line (63 mm)
> Switching device
> BADU 21-50/44 GT 27° or BADU 21-50/43 GT 27°

Note

If you use longer suction and pressure lines, please ensure that they are wide enough in order to avoid power loss.

Dimensions

Recommended installation example



Sufficiently dimensioned drain required

Dimensions in brackets - version without ball valves

Detailed dimensions available on request or at badu.de

1 Shaft width min. 70 cm
2 Floor drainage

BADU® JET Wave

High performance, built-in unit with LED lighting. Everything a perfect pool needs.

Field of application

For mounting into walls of all pool models, as a conversation piece, for fitness training, as a wave or bubble bath, for underwater massages (consult physician), for endless, no-turn swimming even in the smallest pool.

Design

A powerful jet pump is connected via suction and pressure lines with the plastic jet housing which is flush-mounted into the pool wall. The BADU pump draws the water in and returns it to the swimming pool with a powerful stream via an adjustable nozzle which swivels 60° in each direction. The large number of openings around the nozzle housing guarantees an extremely low priming flow. The attractive BADU JET Wave cover made of high quality plastic is an appealing alternative to the BADU JET Vogue. The pneumatic on/off switch and the regulation for the air intake, which gives the sparkling bubble bath effect, are both integrated in the nozzle housing.

Materials used

Cover ..... ABS
Main housing ..... ABS
Nozzle housing ..... ABS
Interior parts ..... ABS/stainless steel
Suction/pressure line ..... PVC
Ball valves and fittings ..... PVC

For recommended accessories see page 32.

Technical data at 50 Hz	BADU JET Wave	21-60/45 GT 27°	21-60/44 GT 27°
Pump flow rate (m³/h)	3~ /1~	58	54
Voltage	3~ /1~	3 N~ 400/230 V	1~ 230 V
Power input P_1/output P_2[1)] (kW)		3.18/2.60	2.89/2.20
Number of nozzles (Ø 40 mm)		1	1
Flow pressure at nozzle (bar)	3~ /1~	1.10	1.00
Flow velocity in centre 2 m from the nozzle (m/s)	3~ /1~	1.20	1.10
Max. massage pressure (bar)	3~ /1~	1.60	1.40
Multi-directional swivel nozzle (degrees)		60	60

For detailed technical data regarding motors/devices please see page 38.

Technical data may vary.

Article no	Description	Variation	Voltage	Power output P_2
232.1100.000	BADU JET Wave	Pre-assembly kit		
232.3400.000	BADU JET Wave - white LED	Final assembly kit	1~ 230 V	2.20 kW
232.3420.000	BADU JET Wave - multicoloured LED	Final assembly kit	1~ 230 V	2.20 kW
232.3200.000	BADU JET Wave - white LED	Final assembly kit	3 N~ 400/230 V	2.60 kW
232.3220.000	BADU JET Wave - multicoloured LED	Final assembly kit	3 N~ 400/230 V	2.60 kW
232.1300.001	Ball valve kit			
232.3000.402	Stainless steel hand rail for BADU JET Wave, complete[5)]			

When ordering a complete unit please indicate the article number of the pre-assembly kit **and** the final assembly kit.
If you require a unit in the ball valve version, please also order the ball valve kit.

With plastic cover >

Optional stainless steel hand rail >

58 m³/h

Scope of supply

Pre-assembly kit

> Plastic main housing
> Clamping ring, screw and seals

Final assembly kit

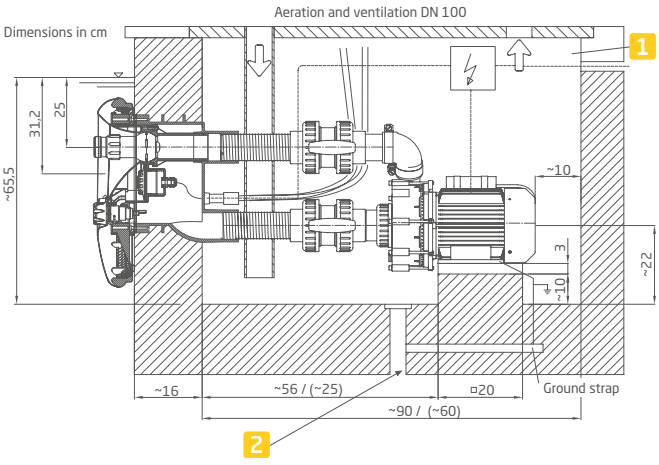
> Complete nozzle housing, with a swivelling nozzle and screws
> Plastic cover
> Suction/pressure line 63 mm
> Switching device
> BADU 21-60/45 GT 27° or BADU 21-60/44 GT 27°

Note

If you use longer suction and pressure lines, please ensure that they are wide enough in order to avoid power loss.

Dimensions

Recommended installation example



Sufficiently dimensioned drain required
Dimensions in brackets - version without ball valves

Detailed dimensions available on request or at badu.de

1 Shaft width min. 70 cm
2 Floor drainage

BADU® JET Active Version 2

Compact overhang unit for beginners. For small and above ground pools.

Field of application

For upgrading all pool models, as an attraction, for fitness training, as a wave or bubble bath, for underwater massages (consult physician), for endless, no-turn swimming even in the smallest pool.

Design

Water is drawn in through the suction inlet at the bottom of the unit using a powerful pump and led back into the pool through a strong jet via an adjustable nozzle.

Materials used

Housing ..... PE
Interior parts ..... ABS/stainless steel
Control elements ..... ABS
Suction/pressure line ..... PVC/ABS
Hand rail ..... stainless steel

For recommended accessories see page 32.

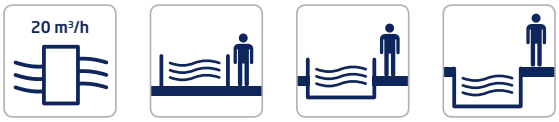
Technical data at 50 Hz	BADU JET Active Version 2	21-40/54 H
Pump flow rate (m³/h)	1~	20
Voltage	1~	1~ 230 V
Power input P_1/output P_2 [1)] (kW)	1~	1.10/0.75
Number of nozzles (Ø 28 mm)		1
Flow pressure at nozzle (bar)	1~	0.80
Flow velocity in centre 2 m from the nozzle (m/s)	1~	0.80
Max. massage pressure (bar)	1~	1.20
Multi-directional swivel nozzle (degrees)		60

For detailed technical data regarding motors/devices please see page 38.

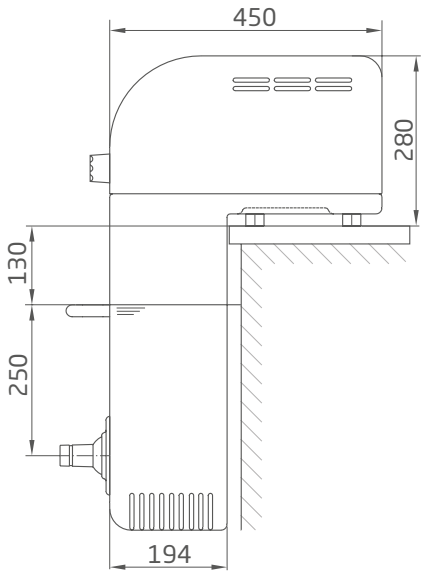
Technical data may vary.

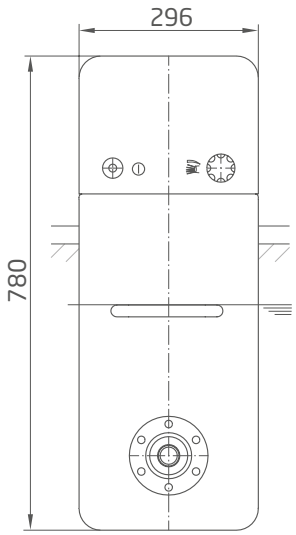
Article no	Description	Voltage	Power output P_2
231.5100.000	BADU JET Active Version 2	1~ 230 V	0.75 kW
233.1500.000	Telescopic foot		

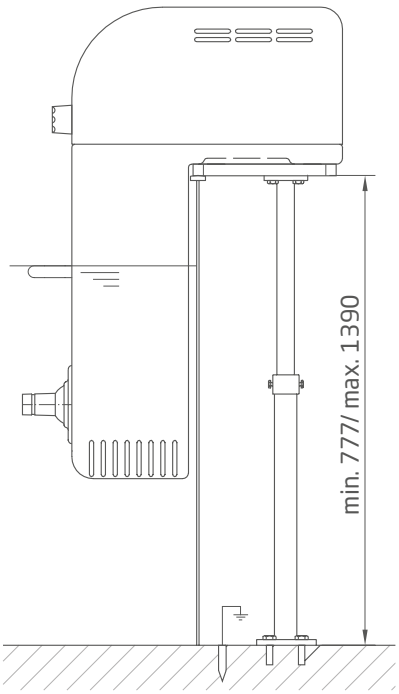
< Also available with a telescopic foot for above ground pools



Dimensions







Detailed dimensions available on request or at badu.de

BADU® Added value

We live for the pool experience. We offer accessories – for pumps and counter swim units, to supplement or replace – in BADU Allround quality, so that BADU technologies and solutions can make you completely happy. It's often the small things that make a big difference.
The difference is BADU.

ACCESSORIES

BADU® Counter swim units

BADU JET Wireless Control II

Waterproof remote control for all BADU JET submerged counter swim units. For control of the BADU JET unit and integrated LED lights. Upgrades are also available for further functions for the pool unit such as light control, roll-up cover etc.

Massage hose for 40 mm or 28 mm nozzle

1.50 m long, connection coupling and massage nozzle, completely assembled. Fits all counter swim unit jet nozzles.

Massage hose with pulsator

1.50 m long, connection coupling and pulsating massage nozzle (pulsator) attached.
For 28 mm or 40 mm nozzle. Fits all counter swim unit jet nozzles.

Nozzle attachments for pulsator, pinpoint massage nozzle

To be plugged directly into the jet nozzle, without a massage hose.

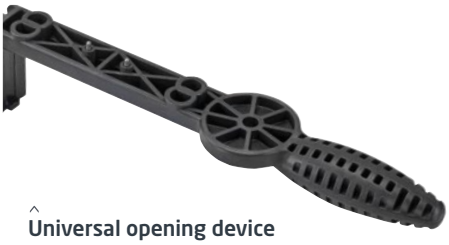
Stainless steel hand rail for BADU JET Smart

With fasteners. For all pool models made of stainless steel AISI 316.

Article no	Description
232.0000.503	BADU JET wireless control II, complete
230.0001.000	Massage hose for large nozzle, Ø 40 mm
230.0002.000	Massage hose for small nozzle, Ø 28 mm
230.0003.000	Massage hose with large pulsating massage nozzle, Ø 40 mm
230.0004.000	Massage hose with small pulsating massage nozzle, Ø 28 mm
230.0005.000	Pulsator for large nozzle, Ø 40 mm
230.0006.000	Pulsator for small nozzle, Ø 28 mm
230.0007.000	Large pinpoint massage nozzle, Ø 40 mm
230.0008.000	Small pinpoint massage nozzle, Ø 28 mm
230.0022.000	Blind cap for large nozzle, Ø 40 mm
230.0023.000	Blind cap for small nozzle, Ø 28 mm
230.0010.000	Stainless steel hand rail for BADU JET Smart, 25 x 250 mm, complete

When ordering, please indicate whether massage hose and attachments are for Ø 28 mm or Ø 40 mm nozzles.

BADU® Opening devices

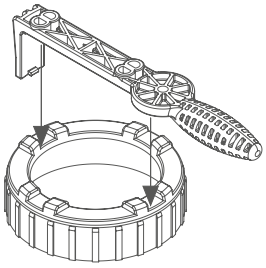


Universal opening device

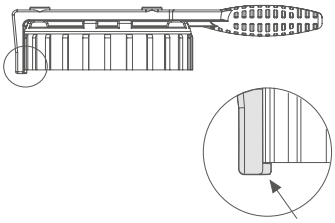
Sickel opening device

Usage

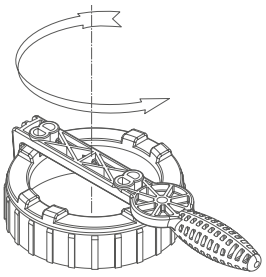
Step 1



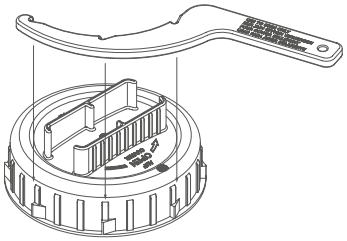
Step 2



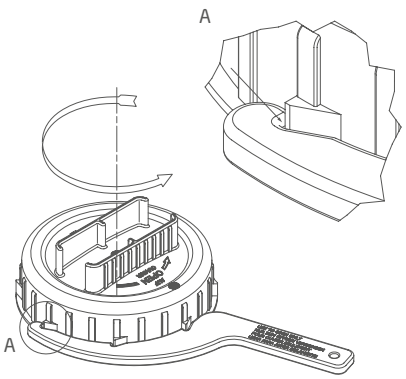
Step 3



Step 1



Step 2



Article no	Description
292.1157.700	Universal opening device
292.1199.800	Sickel opening device

BADU® Our promise

Quality is the reason customers buy BADU products.

Service is the reason customers are always happy.

That's perfect because that's exactly how we think and trade.

Our aim is always to give more than you expect.

That's why we're always there for you.

SERVICE

Product quality

Trust in a sophisticated brand.
Affordable pool technology – made in Germany with certified safety – is not an alternative for innovative technology and functionality.
You have our word.

Made in Germany

BADU Allround products are developed and produced in Germany with the experience of a meticulous family business: SPECK Pumpen in Neunkirchen am Sand, Bavaria.

Certification

BADU Allround products are completely safe and are thoroughly tested – by SPECK Pumpen during production and by independent examination institutions and associations.

Recycling

Even the best products don't last forever. However BADU is very responsible. Most materials can be re-used and we always have a supply of wear and tear parts as well as spare parts.

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geprüfte Sicherheit

FAQ

There are some things you need to know about having your own pool and as you're not the only one with a few questions, we've listed those most frequently asked for you here.
You'll be enjoying your pool in no time at all.

How high can a pump prime?

Theoretically the maximum suction height is 10.33 m. This depends on air pressure (1.033 hPa = normal). Technically a maximum suction height of approximately 7 - 8 m can be gained. Resistance loss in the pump, connecting lines and fixtures must be deducted. Medium dependent factors (e.g. vapour pressure, density or viscosity), may reduce the suction height further.

What is a self-priming pump?

A self-priming pump has the abillity to handle air and gas content and can aerate the suction line independently (evacuate air). During the initial start-up, the pump must first be filled with water.

Why must a self-priming pump first be filled with water?

A self-priming pump must have a sufficient amount of water in the pump housing. Only then can air content be transported in the suction line. Therefore it is necessary to fill your BADU pump up to the inlet connection with water. Failing this, the pump may be damaged due to dry running. Furthermore the suction process shouldn't be interrupted by repeatedly turning the pump off and on, as this will result in the process restarting.

What are the maintenance requirements of the BADU pumps?

BADU pumps are generally maintenance free. In order to guarantee a constant flow rate and sufficient filtering of the pool water, the strainer basket must be cleaned at regular intervals. From time to time you may also carry out a visual inspection.

How should the pump be started following a long period of disuse?

Before turning the pump on after a long period of disuse (e.g. winter), check to make sure that it can be moved easily. To do this, rotate the motor shaft lightly with the help of a screwdriver. Should the motor stick at all, this will loosen it. Should the pump remain tight or an unusual noise become audible, have the pump examined by a trained professional.

Should the pump be turned off when the 6-way valve is being switched over manually?

We recommend turning the pump off in order to avoid a surge in the unit and for ease of handling.

How should I store my pump over the winter season?

It's simple: drain the pump and store it in a dry place, protected against frost. Cover it with a dust sheet.

How should I store my counter swim unit over the winter season?

Submerged counter swim units installed in outdoor pools should be protected against frost over the winter season. Lower the water level in the pool to the bottom edge of the inlet connection. Disassemble the pump and store this in a dry room. Leave the valves half open so the space between can be drained.

Detailed technical data for motors/devices

This overview shows the safety classifications that are used in BADU pumps.

BADU Picco II, BADU Magic II, BADU Top II, BADU SuperPro

Motor protection class ..... IP 55
Class of insulation ..... F
Approx. motor speed (rpm) 2840
Max. water temperature (°C) ..... 40 (60)[4)]
Max. casing pressure (bar) 2.5

BADU Eco Touch-Pro II

Motor protection class ..... IP 55
Class of insulation ..... B
Approx. motor speed (rpm) ..... variable
Max. water temperature (°C) ..... 40 (60)[4)]
Max. casing pressure (bar) 2.5

BADU JET Smart, BADU JET Wave, BADU JET Active Version 2

Device protection class ..... IP X5

Key / Footnotes / Abbreviations

Clear and informative.
Here you will find all details and explanations.

Circulation pumps

Performance

The maximum amount of water that can be transported by a pump. Specification in cubic metres per hour (m³/h). 1 cubic metre = 1,000 litres.

Pool size

The maximum pool volume that a pump can handle at optimum performance. Specification in cubic metres.
1 cubic metre = 1,000 litres.

Counter swim units

Performance

The maximum amount of water that can be moved by a counter swim unit. Specification in cubic metres per hour (m³/h). 1 cubic metre = 1,000 litres.

Pool type – above ground

The pool type for which a counter swim unit is suitable. Above ground pools are free standing pools on a level surface.

Pool type – partially-submerged

The pool type for which a counter swim unit is suitable. Partially-submerged pools are partly built into the ground.

Pool type – built-in

The pool type for which a counter swim unit is suitable. Built-in pools are completely submerged in the ground.

Footnotes . Abbreviations

1) Most **single phase motors** 1~ 230 V are fitted with a built-in overload switch or a protective winding contact.
Further information can be found in the pump data sheet.
Three-phase motors are not fitted with a motor protection device.
Special voltage, special frequency, 2-speed or direct current motors on request.
Suitable for standard voltage according to DIN IEC 60038 and DIN EN 60034 (Euro voltage),
i. e. suitable for continuous operation at:
1~ 220-240 V.
3~ Y/Δ 380-420 V/220-240 V.
3~ Y/Δ 660-725 V/380-420 V.
Tolerances ± 5 %.
GS approved pumps according to EN 60335-1.

2) **Thread** according to DIN EN 10226-1 and ISO 7-1.
Descriptions for pipe thread **sealing inside the thread**.
Internal pipe thread: e. g. Rp 1½,
External pipe thread: e. g. R 1½.
(Sealed with teflon tape only.)

3) **Pipe friction characteristics**
Effects of pipe diameters and internal pipe friction on the flow quantity of a suction or pressure line.
Further information at badu.de > Service/help.

4) **Classification of water temperature 40 °C (60 °C)**
40 °C is the maximum water temperature allowed according to GS approval, however the pump is suitable/ configured for a maximum water temperature of 60 °C.

5) **Permitted limits for stainless steel parts**
Chloride ion content max. 400 mg/l (400 mg/l chloride is equivalent to 0.66 g/l salt = 0.066 %), pH value 6.8 - 8.2.

Materials

ABS	Acrylonitrile butadiene styrene copolymer
PA 6 GF 15	Polyamide, glass fibre reinforced
PA 66 GF 30	Polyamide, glass fibre reinforced
PC	Polycarbonate
PE	Polyethylene
PP	Polypropylene
PP TV 40/PP TV 20	Polypropylene, talc reinforced
PVC	Polyvinyl chloride

1 bar = 100.000 Pa
1 bar = 10.2 water column
Characteristics measured according to EN ISO 9906;
Flow rate Q = ± 10 %, total dynamic head H = ± 8 %.
Pumps classified as **self-priming** have a suction height of approx. 3 m geodetic.
Pumps must be filled with water when priming.
When placing an order please indicate the article number.
Sales and conditions via the retailer.
Subject to additional material charges depending on DEL notice rates.
Sales according to our general terms and conditions.

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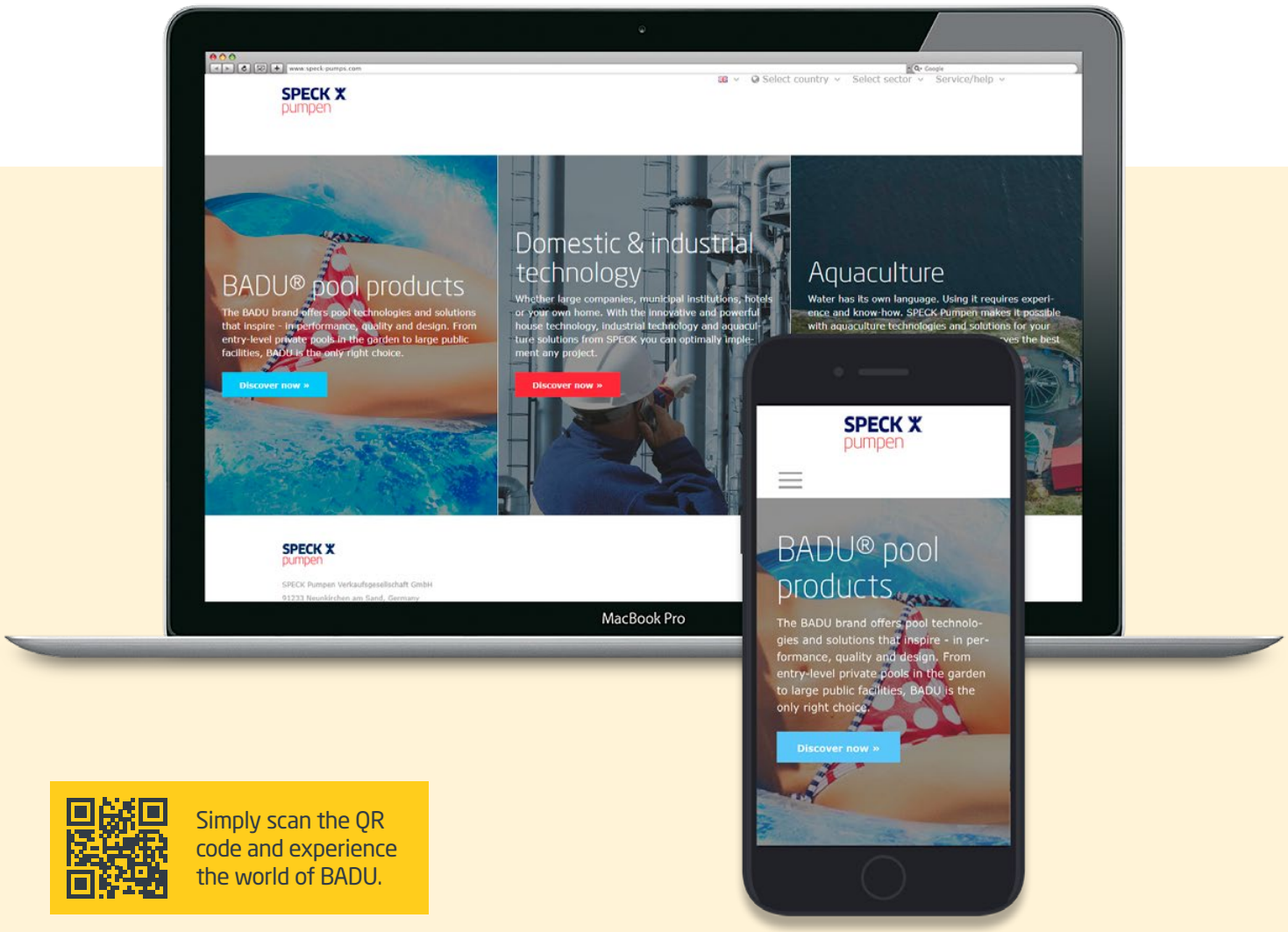

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Experience the world of BADU: online and on the go.

badu.de/en

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