

Pool technologies and solutions



swimming pool  
**private** > highlights







# Our highlights at a glance.



BADU EV Prime

Our highlight products set new standards in performance, efficiency and design. With cutting-edge technologies and the highest quality for the most discerning needs, they are the one-stop solution for excellence!

Discover our full range of BADU private products on our website at **badu.de**.





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# Our mission for the future?

## BADU Eco Vision!

BADU Eco Vision stands for the development of a new generation of high-efficiency motors that protect the environment and reduce the pool's operating costs.

The key elements that define our mission are:



### Innovation

The new generation of BADU EV motors are the result of innovative solutions and state-of-the-art technology. The motors combine maximum efficiency with durability and ease of maintenance.



### Sustainability & Safety

We are committed to safety and sustainability. We reduce the carbon footprint of pools by minimising the energy consumption for their maintenance. You can rely on us for safe and reliable operation that complies with German safety standards.



### Comfortable

The BADU Eco Vision motors are user-friendly, easy to handle and control. They are designed for advanced system integration and their intuitive operation saves time and reduces maintenance costs.



### Efficiency

The BADU Eco Vision motors achieve maximum performance with minimum energy consumption, which makes them the eco-friendly and economic solution for the operation of any pool.



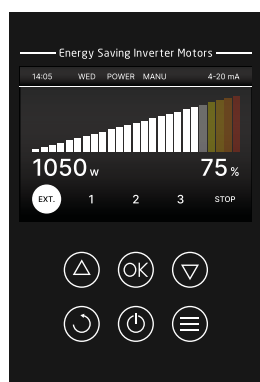
# Our **BADU**® EV motors at a glance

Efficient, sustainable and user-friendly.

The BADU Eco Vision motors can be easily connected to external devices or integrated into existing pool systems thanks to various external control options.

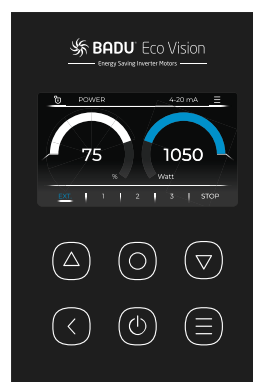
The software architecture that has been specially developed for both EV1 and EV2 motors ensures easy operation as well as perfectly synchronised motor and control functions.

## EV1



- Intuitive user design
- Housing of motor control made from plastic
- Pool systems without separate control technology
- Schedule/Timer/Filter
- Connection of photovoltaic system

## EV2



- TFT-Full-Touch-Display
- High-quality aluminium design
- Designed with control technology in mind
- Large display and control panel
- Silent motor fan



# BADU® EV Prime

Classic meets modern - the proven pump housing of BADU Prime meets the latest generation of BADU Eco Vision motors.

The BADU EV Prime combines proven quality with modern technology to make pool maintenance easier than ever. It offers a user-friendly design and smart functions.

Various schedules and programmes, including party mode, can be set individually using the integrated colour display. The BADU EV Prime pump features a wide range of control options, making it highly flexible and suitable for integration into modern pool systems.

Get ready to experience a new world of comfort, efficiency and smart pool technology, all brought to you by BADU EV Prime!

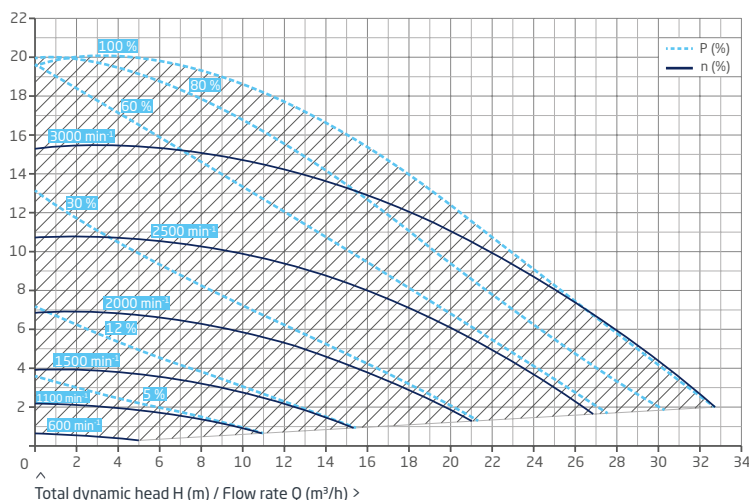
## Materials used

|                            |                             |
|----------------------------|-----------------------------|
| Pump housing .....         | PP GF 30                    |
| Intermediate housing ..... | PP TV 40                    |
| Gland housing .....        | PP TV 40                    |
| Diffuser .....             | PA 66 GF 30                 |
| Impeller .....             | PP GF 30                    |
| Strainer basket .....      | PP                          |
| Lid .....                  | PC, transparent/PA 66 GF 30 |
| Mechanical seal .....      | carbon/ceramic/NBR          |
| Screws .....               | stainless steel             |
| Elastomers .....           | NBR/Viton                   |

| Technical data at 50/60 Hz   | BADU     | EV Prime            |
|--|----------|---------------------|
| inlet Sa/outlet connection Da Rp <sup>2)</sup>                       |          | 2/1½                |
| Rec. inlet/outlet pipe, PVC pipe, d <sup>4)</sup>                    |          | 63/63               |
| Power input P <sub>1</sub> /output P <sub>2</sub> <sup>1)</sup> (kW) | 1~ 230 V | 0.03-1.40/0.01-1.10 |
| Rated current (A)  | 1~ 230 V | 0.50-6.10           |
| Sound pressure level L <sub>pa</sub> (1m) [dB(A)]                    |          | 34.4-61.3           |

Technical data may vary.

## Performance



Further information regarding BADU EV Prime available for download on our website.





New generation of EV motors with a variety of control options and full-colour TFT display.



Proven pump housing  
BADU Prime

EV1



# BADU® EV Delta

Whisper-quiet pool pump for the most demanding projects.

The BADU EV Delta is the perfect choice for discerning pool owners. In addition to its smart control functionality, the pump impresses with ultra-low power consumption and ultra-quiet operation.

The TFT touch display provides an effortless user experience, and the transparent lid with integrated LED lighting enhances the elegant aesthetics. Its intelligent speed control adapts to suit individual needs.

The BADU EV Delta redefines the realm of exclusive pool enjoyment, offering first-class design, easy maintenance and the latest generation of BADU EV motors.

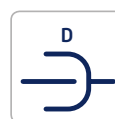
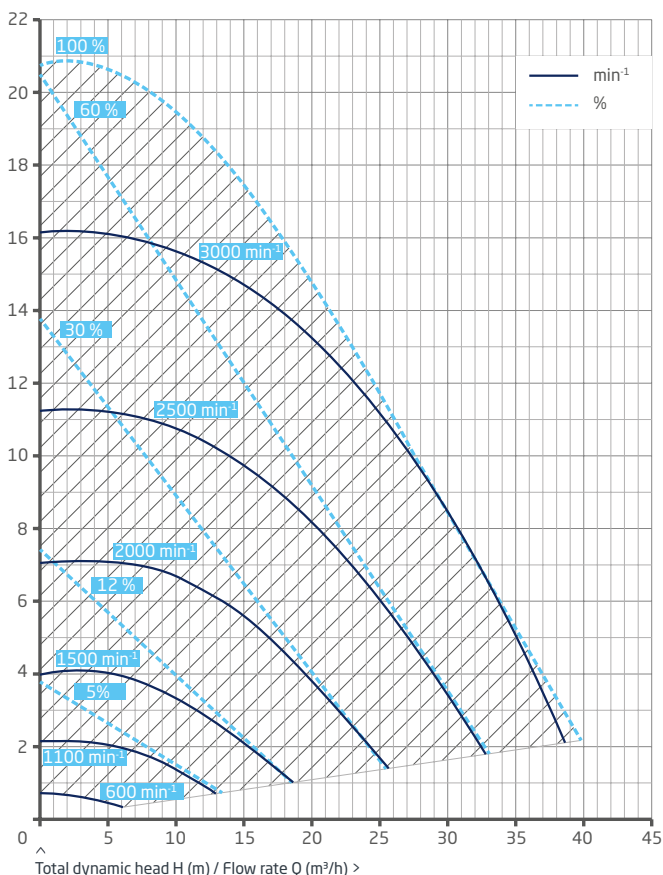
## Materials used

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

| Technical data at 50/60 Hz   | BADU     | EV Delta            |
|--|----------|---------------------|
| inlet Sa/outlet connection Da Rp <sup>2)</sup>                       |          | 63/63               |
| Rec. inlet/outlet pipe, PVC pipe, d <sup>4)</sup>                    |          | 63/63               |
| Power input P <sub>1</sub> /output P <sub>2</sub> <sup>1)</sup> (kW) | 1~ 230 V | 0.03-1.40/0.01-1.10 |
| Rated current (A)  | 1~ 230 V | 0.50-6.10           |
| Sound pressure level L <sub>pa</sub> (1m) [dB(A)]                    |          | 35.7-66.5           |

Technical data may vary.

## Performance



Further information regarding BADU EV Delta available for download on our website.





**Transparent lid**  
with integrated  
LED lighting.

**New generation of EV motors**  
with enhanced control options  
and a TFT display with touch func-  
tionality.



**EV2**





# BADU® EV Eco Future

Made from bio-based plastic. Made in Germany.  
Combines innovation with design and maximum sustainability.



**New generation of EV motors**  
with enhanced control options  
and a TFT display with touch  
functionality.

Pump housing made  
from **bio-based  
plastic.**

EV2





The BADU EV Eco Future is the world's first pool pump made from bio-based plastic. It is a true testimonial for sustainability and innovation! Made in Germany, it combines environmentally friendly materials with state-of-the-art technology.

Its structure combines weight advantages with robustness for maximum efficiency with minimal energy consumption. Equipped with smart functionality, it integrates seamlessly into modern pool facilities and is easy to use.

No nonsense. No compromises. Just eco-friendliness. With the BADU EV Eco Future, you're not just choosing a solution, you're selecting our most sustainable, quiet and powerful pool pump: the perfect way to show your commitment to sustainability!

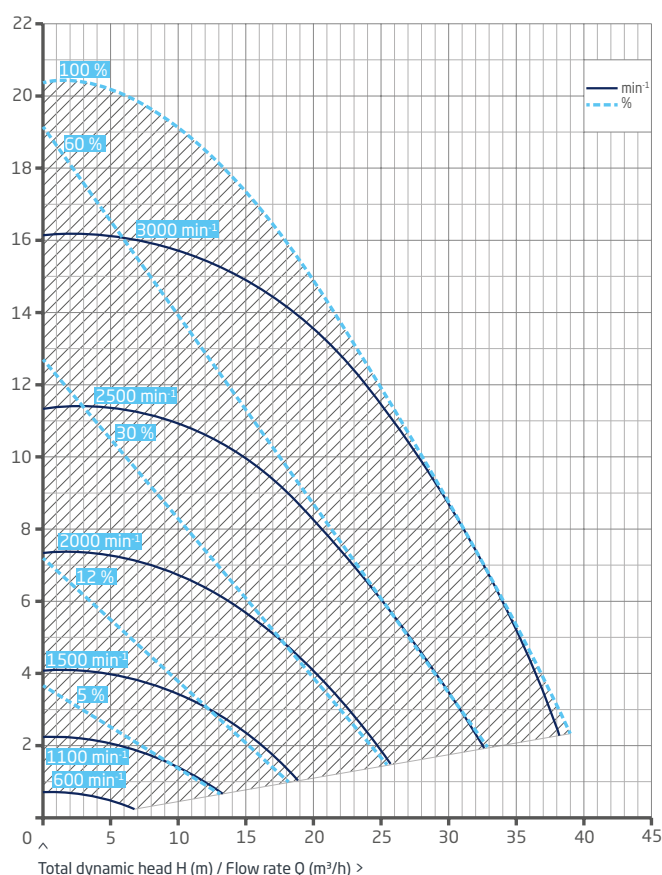
## Materials used

|                            |                              |
|----------------------------|------------------------------|
| Pump housing .....         | bio-based p.                 |
| Intermediate housing ..... | bio-based p.                 |
| Gland housing .....        | bio-based p.                 |
| Spiral insert .....        | bio-based p.                 |
| Unions/glue sockets .....  | ABS/PVC-U                    |
| Diffuser .....             | bio-based p.                 |
| Impeller .....             | PPE GF 30                    |
| Strainer basket .....      | bio-based p.                 |
| Lid .....                  | PC, transparent/bio-based p. |
| Mechanical seal .....      | carbon/ceramic/NBR           |
| Screws .....               | stainless steel              |
| Elastomers .....           | NBR/Viton                    |

| Technical data at 50/60 Hz   | BADU      | EV Eco Future       |
|--|-----------|---------------------|
| inlet Sa/outlet connection Da Rp <sup>2)</sup>                       |           | 63/63               |
| Rec. inlet/outlet pipe, PVC pipe, d <sup>4)</sup>                    |           | 63/63               |
| Power input P <sub>1</sub> /output P <sub>2</sub> <sup>1)</sup> (kW) | 1 ~ 230 V | 0.03-1.40/0.01-1.10 |
| Rated current (A)  | 1 ~ 230 V | 0.50-6.10           |
| Sound pressure level L <sub>pa</sub> (1m) [dB(A)]                    |           | 35.9-65.3           |

Technical data may vary.

## Performance



Further information regarding BADU EV Eco Future available for download on our website.

# BADU® Alpha Eco Soft

New standard for small pools - the most efficient pump ever.







The BADU Alpha Eco Soft is a powerful and reliable pool pump designed to optimise water circulation and filtration. Its high dynamic head and flow rate make it the ideal choice for circulating water in swimming pools.

It is noise-optimised, designed for straightforward pump retrofitting and integrates seamlessly into existing piping systems.

The BADU Alpha Eco Soft is manufactured in accordance with the highest material and quality standards, ensuring the longevity of this self-priming circulation pump.

The BADU Alpha Eco Soft has been meticulously designed to ensure reliable, low-maintenance and high-performance pool water circulation.

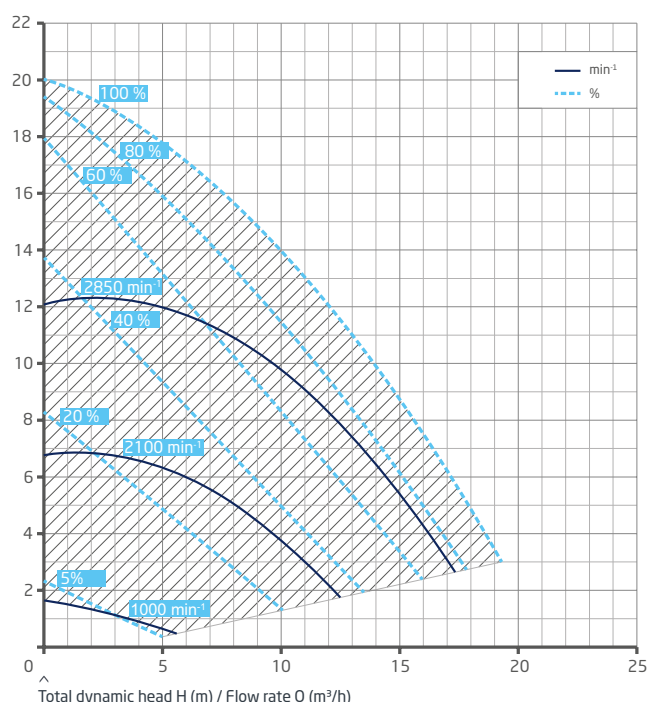
### Materials used

|                       |                     |
|-----------------------|---------------------|
| Pump housing .....    | PP                  |
| Housing cover .....   | PP GF 30            |
| Impeller .....        | PPE GF 30           |
| Strainer basket ..... | PP                  |
| Lid .....             | PC, transparent/ABS |
| Glue sockets .....    | ABS                 |
| Mechanical seal ..... | carbon/ceramic/NBR  |
| Screws .....          | stainless steel     |
| Elastomers .....      | NBR                 |

| Technical data at 50/60 Hz   | BADU      | Alpha Eco Soft      |
|--|-----------|---------------------|
| Inlet Sa/outlet connection Da d <sup>4)</sup>                        |           | 50/50               |
| Rec. inlet/outlet pipe, PVC pipe, d <sup>4)</sup>                    |           | 50/50               |
| Power input P <sub>1</sub> /output P <sub>2</sub> <sup>1)</sup> (kW) | 1 ~ 230 V | 0.04-0.75/0.02-0.50 |
| Rated current (A)  | 1 ~ 230 V | 0.30-3.20           |
| Sound pressure level L <sub>pa</sub> (1m) [dB(A)]                    |           | 36.7-64.1           |

Technical data may vary.

### Performance



Further information regarding BADU Alpha Eco Soft available for download on our website.

# BADU® Eco Soft

Intelligent, fast and quiet.

Highly efficient circulation pump that makes full use of its capacity.

The BADU Eco Soft delivers crystal clear water with minimal energy consumption. Its performance can be individually adjusted to optimise pool operation, while the whisper-quiet motor and the strainer basket ensure the best water quality and long service life thanks to robust materials.

BADU Netlink allows you to smartly retrofit your pump, giving you convenient control via the app, making pool maintenance easy and sustainable.

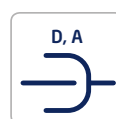
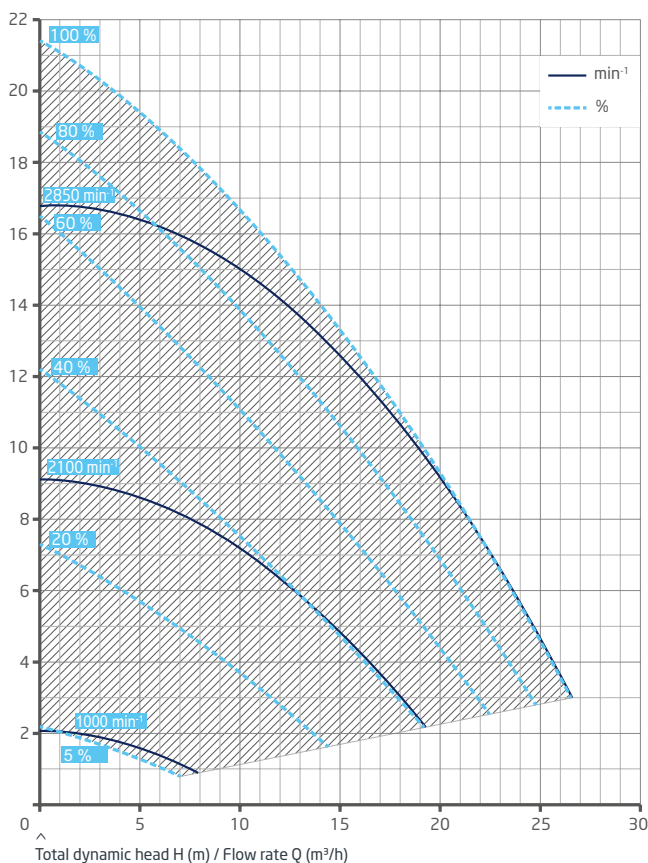
## Materials used

|                            |                             |
|----------------------------|-----------------------------|
| Pump housing .....         | 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 sockets .....         | ABS                         |
| Mechanical seal .....      | carbon/ceramic/NBR          |
| Screws .....               | galvanised stainless steel  |
| Elastomers .....           | NBR                         |

| Technical data at 50/60 Hz  | BADU     | Eco Soft            |
|---|----------|---------------------|
| Inlet Sa/outlet connection Da d <sup>4)</sup>                         |          | 63/50               |
| Rec. inlet/outlet pipe, PVC pipe, d <sup>4)</sup>                     |          | 63/50               |
| Power input P <sub>1</sub> / output P <sub>2</sub> <sup>1)</sup> (kW) | 1~ 230 V | 0.06-1.10/0.03-0.75 |
| Rated current (A)   | 1~ 230 V | 0.45-5.00           |
| Sound pressure level L <sub>pa</sub> (1m) [dB(A)]                     |          | 36.7-64.1           |

Technical data may vary.

## Performance



Further information regarding BADU Eco Soft available for download on our website.





# BADU<sup>®</sup>JET Turbo Light

Entering the premium range with open water feeling.

Experience the ultimate feeling of open water in your own pool with the BADU Jet Turbo Light. It features a powerful flow of 200 cubic meters per hour at a mere 1.1 kW power consumption, making it perfect for fitness and swim training. Three storable operating modes, intuitive operation by remote control or push buttons and a flexible, adjustable water jet angle ensure maximum comfort. For an even more convenient installation, there is a complementary universal technology shaft available as an option.

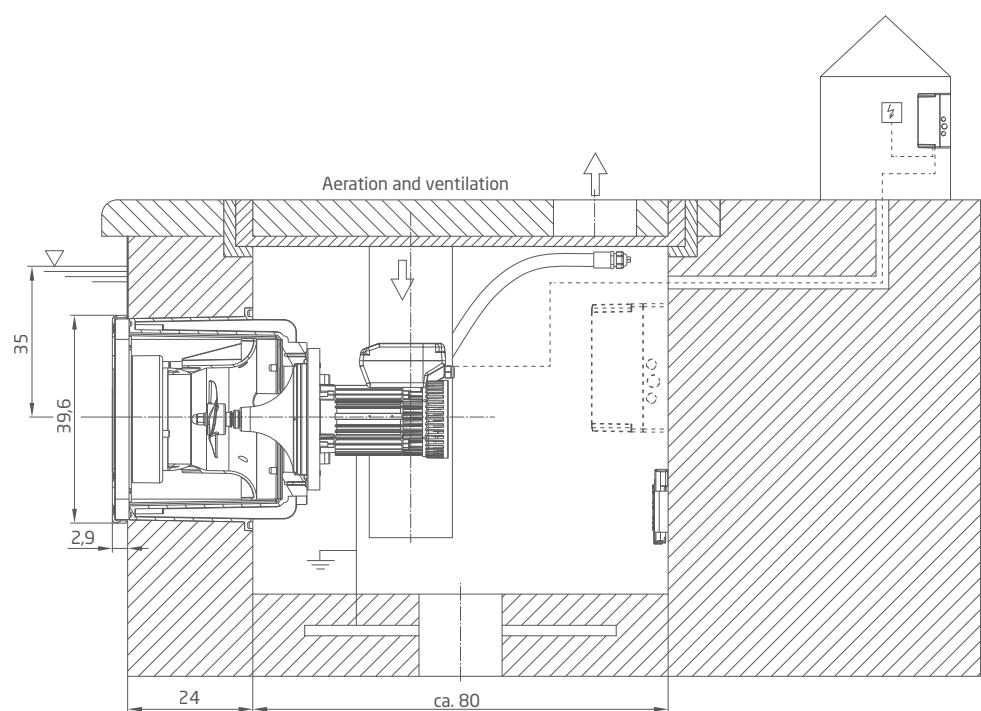
| Materials used        |                    |
|-----------------------|--------------------|
| Main housing .....    | ABS                |
| Nozzle housing .....  | ABS                |
| Covers .....          | ABS                |
| Drive unit .....      | PP GF 30, PP TV 40 |
| Mechanical seal ..... | carbon/ceramic/NBR |
| Screws .....          | stainless steel    |

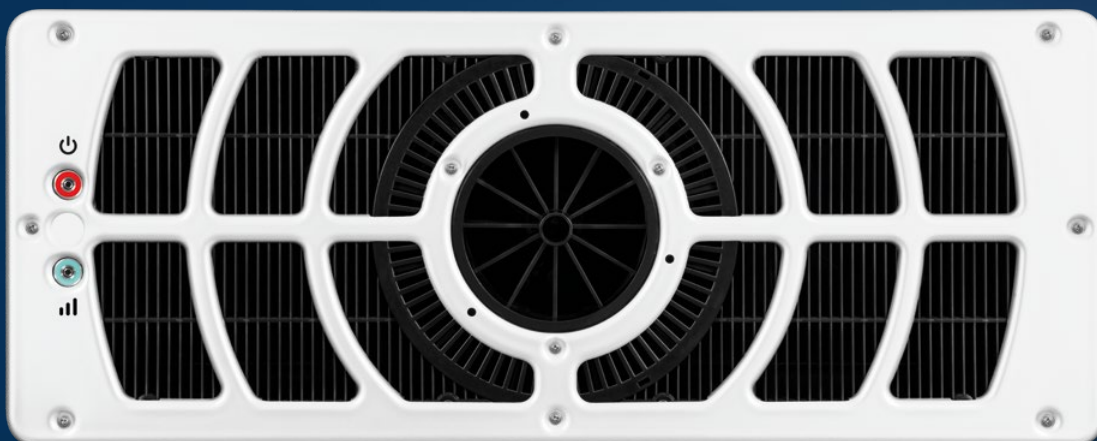
| Technical data<br>at 50/60 Hz                 | BADU JET Turbo Light |
|---|----------------------|
| Pump flow rate (m³/h)                         | 90-200               |
| Voltage                                       | 1~ 230 V             |
| Power input P <sub>I</sub> <sup>1)</sup> (kW) | 1.1                  |
| Number of nozzles (Ø 120 mm)                  | 1                    |
| Flow velocity (m/s)                           | 1.1-2.4              |
| Multi-directional swivel nozzle (degrees)     | ±5                   |

Technical data may vary.

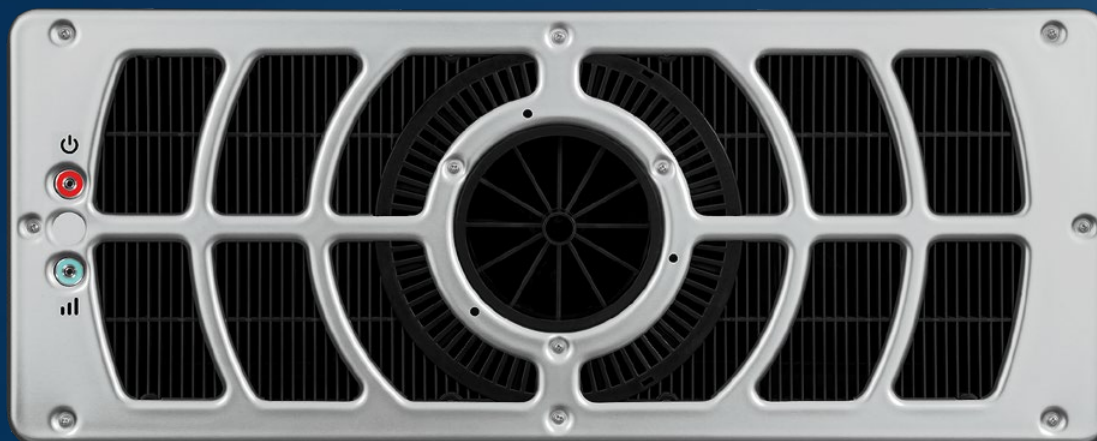
## Installation drawing

Recommended installation example





Design in white



Design in grey



Further information regarding BADU JET Turbo Light  
available for download on our website.



# BADU<sup>®</sup>JET Turbo

Highly versatile all-rounder for leisure, fitness, family and health.

Get in and make the most of your pool time with the BADU JET Turbo! More compact than the Turbo Pro version, it offers powerful performance and flexible settings that suit all fitness levels.

The perfect choice for getting fit, staying healthy and enjoying quality time with your family, it's easy to install and simple to operate. You can't go wrong with the proven quality „Made in Germany“ and the quiet, smooth running that ensures its top-notch, long-term reliability.

## Materials used

|                           |                        |
|---------------------------|------------------------|
| Main housing .....        | ABS                    |
| Nozzle housing .....      | ABS                    |
| Covers .....              | ABS/stainless steel    |
| Intermediate flange ..... | PPE                    |
| Drive unit .....          | PPE/PP/stainless steel |
| Plain bearing .....       | SiC/SiC                |
| Screws .....              | stainless steel        |

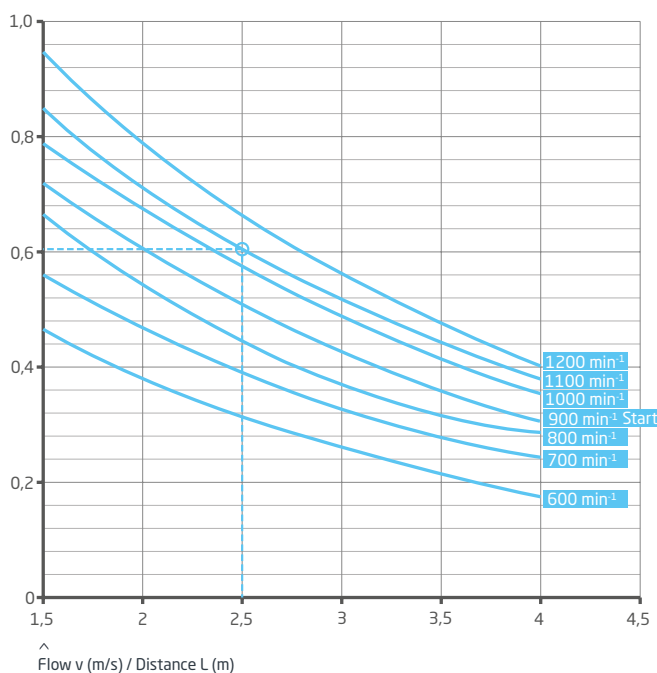
## Technical data at 50/60 Hz

## BADU JET Turbo

|   |              |
|---|--------------|
| Pump flow rate (m³/h)                     | 125-245      |
| Voltage                                   | 1~ 200-240 V |
| Power input $P_{i^{(1)}}$ (kW)            | 1.20         |
| Number of nozzles (Ø 120 mm)              | 1            |
| Flow velocity (m/s)                       | 1.50-3.00    |
| Multi-directional swivel nozzle (degrees) | ±5           |

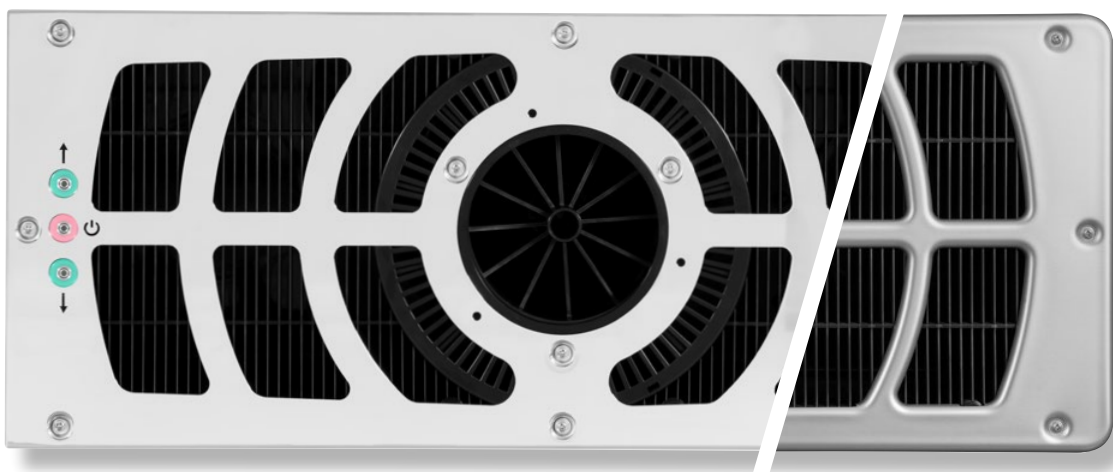
Technical data may vary.

## Flow speed characteristics



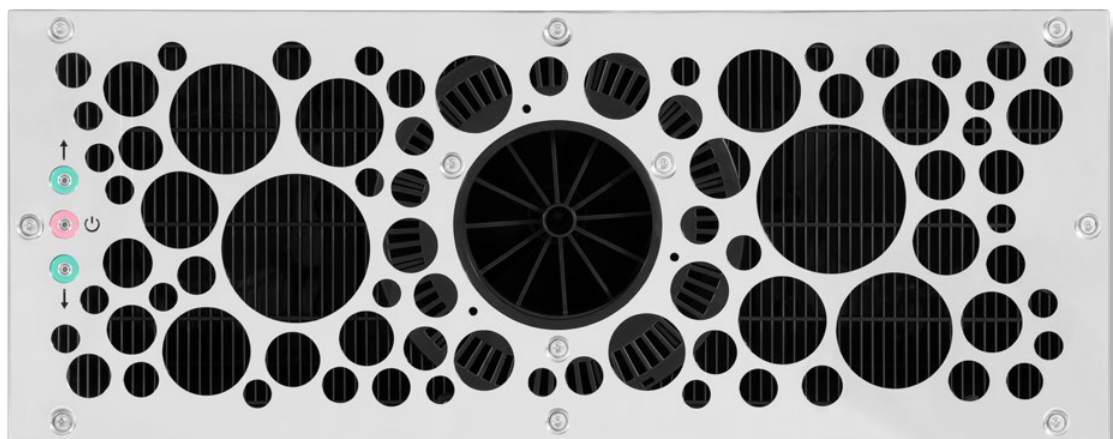
Further information regarding BADU JET Turbo available for download on our webpage.





Design 1

salt water version



Design 2

# BADUJET Turbo Pro

Maximum performance for ambitious swimmers and athletes.

Unlock your full swimming potential with BADU JET Turbo Pro - your ideal training partner to challenge your limits and help you reach new heights.

The high-quality equipment creates an intense training environment for ambitious swimmers and athletes alike. The flow jet, with an incredible 350 m³/h, will make you feel like you're swimming in the open water - it's truly amazing!

Fine-tune the flow and refine your stroke. Perfect your technique and endurance and achieve your best performance yet. Right here, right now, in your own pool.

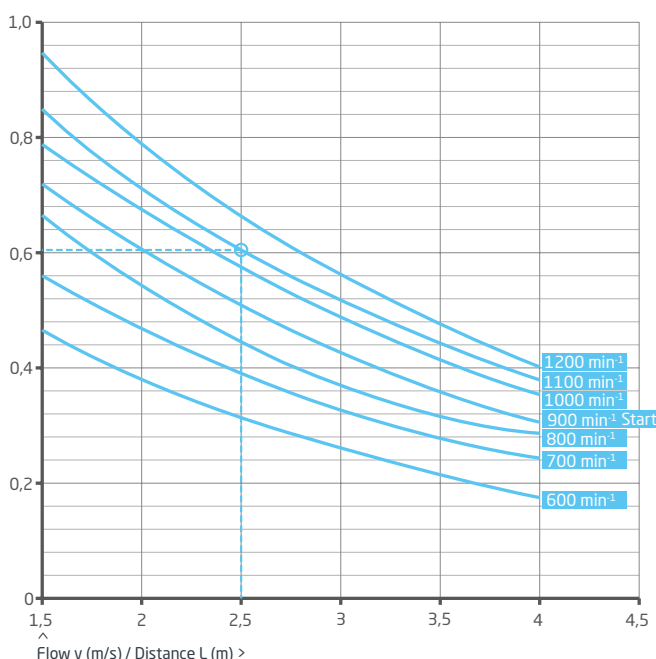
## Materials used

|                           |                        |
|---------------------------|------------------------|
| Main housing .....        | ABS                    |
| Nozzle housing .....      | ABS                    |
| Covers .....              | ABS/stainless steel    |
| Intermediate flange ..... | PPE                    |
| Drive unit .....          | PPE/PP/stainless steel |
| Plain bearing .....       | SiC/SiC                |
| Screws .....              | stainless steel        |

| Technical data<br>at 50/60 Hz             | BADU JET Turbo Pro |
|---|--------------------|
| Pump flow rate (m³/h)                     | 150-350            |
| Voltage                                   | 3~ 380-480 V       |
| Power input $P_{1.1}$ (kW)                | 2.75               |
| Number of nozzles (Ø 120 mm)              | 1                  |
| Flow velocity (m/s) (m/s)                 | 1.80-4.10          |
| Multi-directional swivel nozzle (degrees) | ±5                 |

Technical data may vary.

## Flow speed characteristics



Further information regarding BADU JET Turbo Pro available for download on our website.



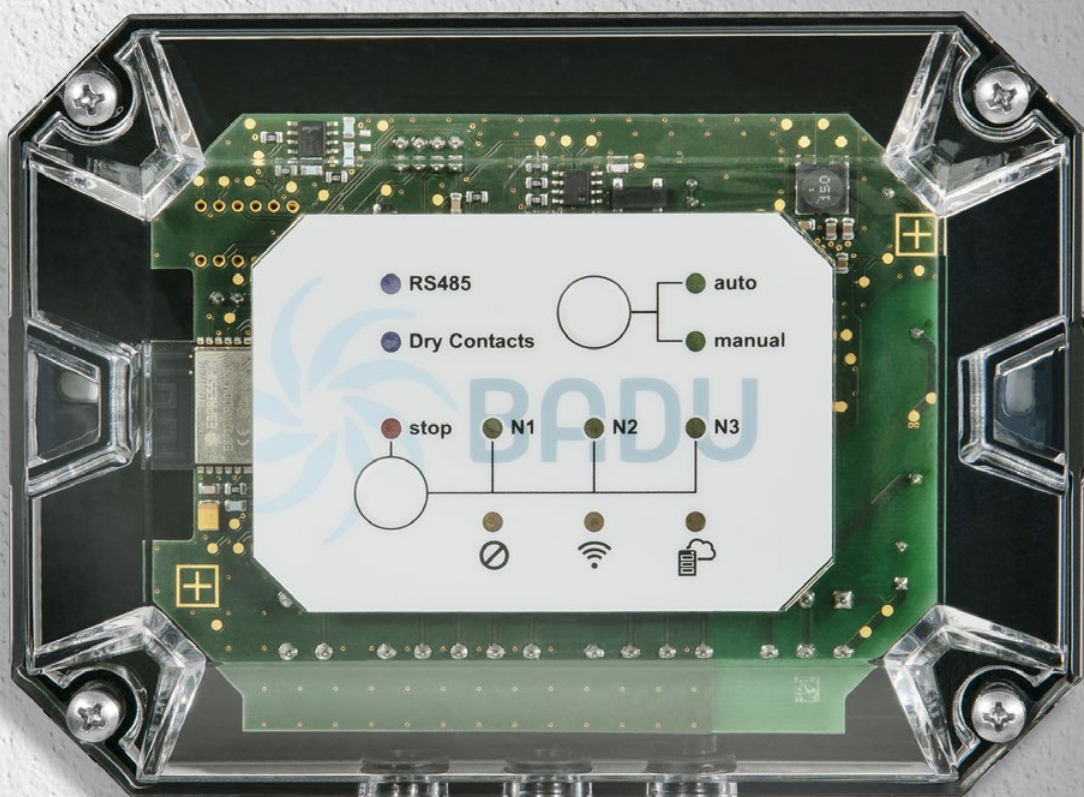
Design 1

salt water version



Design 2





# BADU<sup>®</sup>NetLink



Smart controller for variable speed pumps.

The BADU Netlink smart controller allows you to control your variable speed pump of the BADU Green range at the touch of a button or remotely via Wi-Fi technology using the free BADU Connect app. It's easy and convenient, whether you're at home or out and about.

It's specially convenient for technical rooms that are hard to reach. BADU Netlink allows for fully automated pump control with individual filter time settings and speed levels. In case of leakage, an integrated water level sensor alerts you via PUSH notification.

You will find it easy to install and intuitive to use. It gives you full control of your pool system at any time, for effortless, efficient pool maintenance.

## Performance characteristics

- > Select your preferred operating mode and speed level by using the buttons on the device.
- > Display the actual motor speed.
- > Convenient regulation via WLAN possible when using the free „BADU Connect“ app.
- > Multilingual menu.
- > Several switch times per day with different speed levels are possible.
- > Connect BADU Green pumps with potential-free inputs or RS 485 interface.
- > Connect water sensor for leakage detection via PUSH notification.

## Design

- > Electronic control unit with modern clamp connection technology.
- > Water sensor (optionally available).

## Wi-Fi connection

- > IEEE802.11, 2.4 GHz, b/g/n
- > Indoor antenna, free range of 25 m
- > Data throughput 150 Mbps



Download the app on:



Further information regarding BADU Netlink available for download on our website.

# BADU<sup>®</sup> Blue + Blue Pro

The smart complete pool control system for carefree swimming fun.  
With integrated measuring and control technology.



Control of water disinfection (Redox, free chlorine, salt water electrolysis integration possible)



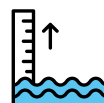
Control of pH value (pH plus or pH minus; optionally both)



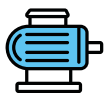
Backwash control



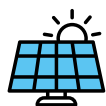
Alarm and notifications (by email or mobile push)



Control of water level via level control



Control of filter pump



Control of solar panel system



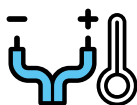
Pool lighting control



Integration of weather interface



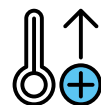
Additional connection options for analogue sensors



Additional connection options for up to 12 temperature sensors



Eco mode



Control of heating, heat pump or heat exchanger

## Additional features of BADU Blue Pro



Pool cover control



Control of pool attractions



Flocculant dosing

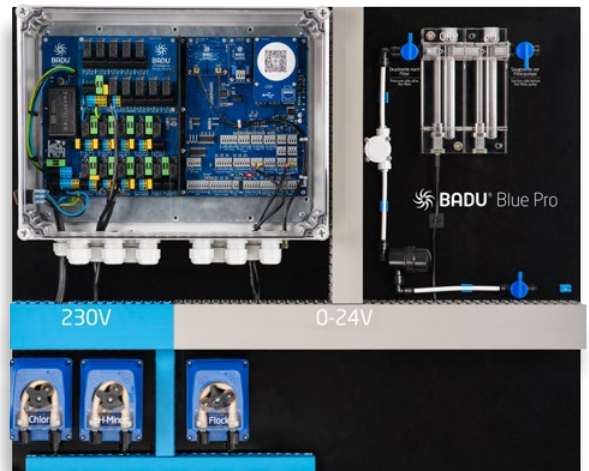
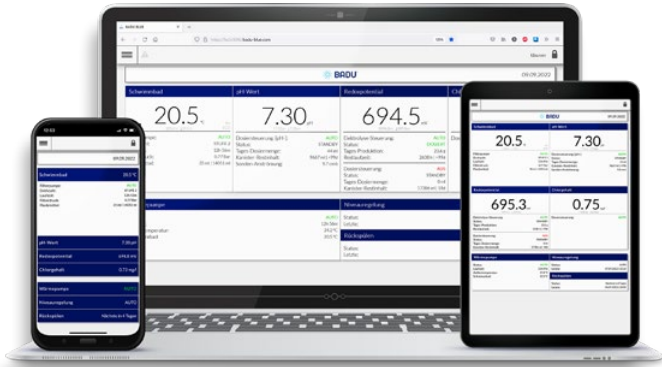
### Technical data

### BADU Blue/Blue Pro

|                               |  |
|-------------------------------|--|
| Operating voltage             | 1~ 230 V, 50/60 Hz                     |
| Fuse for circuit board/relay  | 1A delay/400mA relay/630mA relay light |
| Max. permissible load current | 250 V/4 A                              |

Technical data may vary.





Further information regarding BADU Blue  
available for download on our website.



Further information regarding BADU Blue  
Pro available for download on our website.

# BADU® FlowSonic

# BADU® FlowSonic+

Flow measurement via ultrasound.

The ultrasonic flow meters FlowSonic and FlowSonic+ offer a precise, calibration-free possibility to measure the volume flow in pool systems.

They are ideally suited for monitoring the volume flow. You can adjust your variable speed pump to the exact flow rate you need.

In comparison to the FlowSonic, the FlowSonic+ features an integrated display and can be controlled both manually and remotely via the SmartCONNECT app. Both flow meters integrate seamlessly into any pool system.

Both FlowSonic devices are user-friendly and made from durable materials. They ensure reliable, efficient and non-invasive flow monitoring in pools.

## Materials used

Casing ..... PA 66 GF 25  
Measuring range ..... PP  
Transducer ..... PEEK  
Elastomers (process connection) ..... NBR  
Elastomers (transducer) ..... EPDM

| Technical data          | BADU FlowSonic                    | BADU FlowSonic+                   |
|-------------------------|-----------------------------------|-----------------------------------|
| Power supply            | DC 24 V SELV                      | DC 24 V SELV                      |
| Power consumption       | 50 mA, 300 mA with digital output | 50 mA, 300 mA with digital output |
| Power input             | Max. 10 W                         | Max. 10 W                         |
| Nominal pressure rating | PN 10                             | PN 10                             |
| Measuring range         | 54 m³/h                           | 54 m³/h                           |
| Nominal diameter        | DN 50                             | DN 50                             |
| Analogue output signal  | 4-20 mA                           | 4-20 mA                           |
| Digital output signal   | Pulse (667/l)                     | Pulse (667/l)                     |
| Medium temperature      | 0-45 °C                           | 0-45 °C                           |

Technical data may vary.

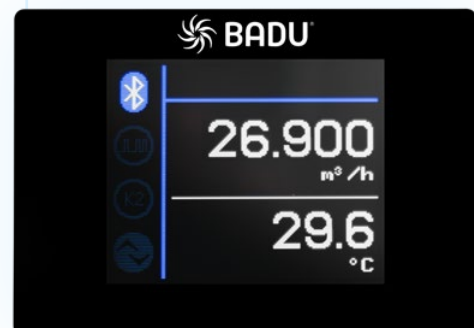
Download the App on:



Further information about BADU FlowSonic and BADU FlowSonic+ available for download on our webpage.



BADU FlowSonic+  
with integrated display.





# Legend

## EV1

Compact, smart, efficient. The product's intuitive operation and robust motor control housing made from plastic make it the ideal stand-alone solution for any pool.



### Motor control

Type of external control option:

D - Digital potential-free

A - Analogue 0-10 V and 4-20 mA

R - RS485/modbus RTU

## EV2

Stylish aluminium, large full-touch display and whisper-quiet fan. Ideally suited for integration into smart home systems.

# Contact

We're happy to help!

Sales BADU Swimming Pool Technology

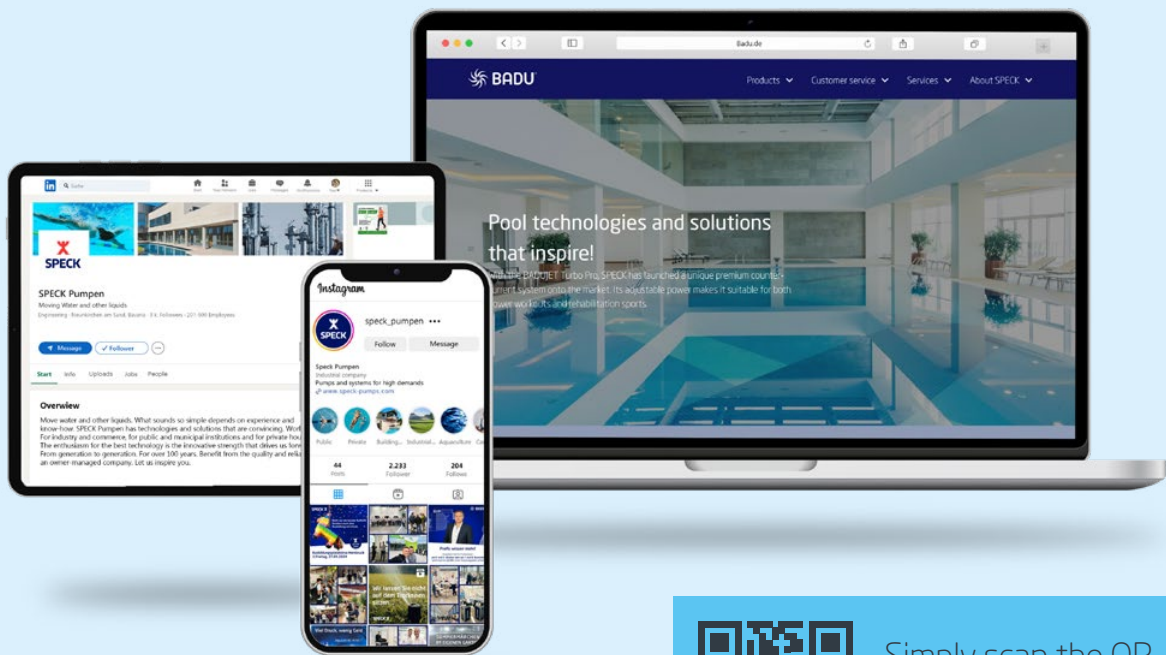
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# BADU News



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