

SPECK 

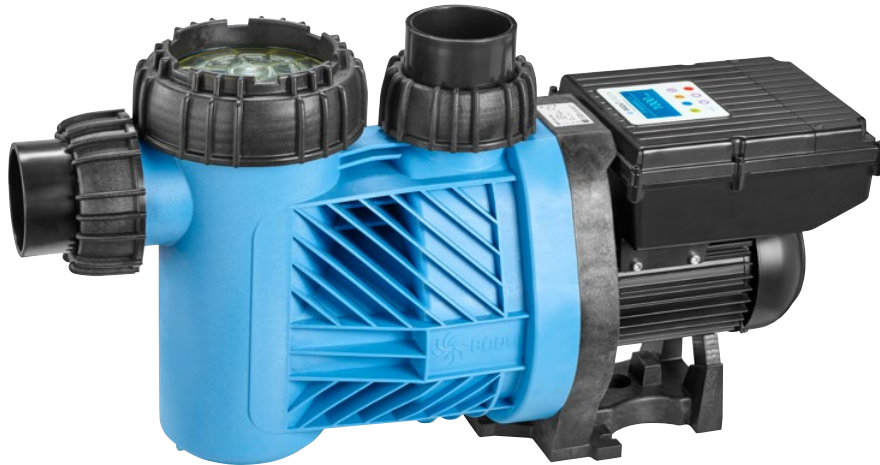
2021

Pump technologies and solutions ...



new products

Highly efficient circulation pump with the latest motor technology from our BADU GREEN range.



BADU[®] Eco Flex

Field of application

Swimming pool water circulation in filter units. The pump can be installed max. 3 m above or below the water level.

Design

Monoblock-type pump with integrated strainer tank. The bellows-type mechanical seal is mounted on a plastic shaft protector sleeve. Motor/pump shaft has no contact with the pool water providing complete electrical separation.

Strainer tank capacity approx. 6 l

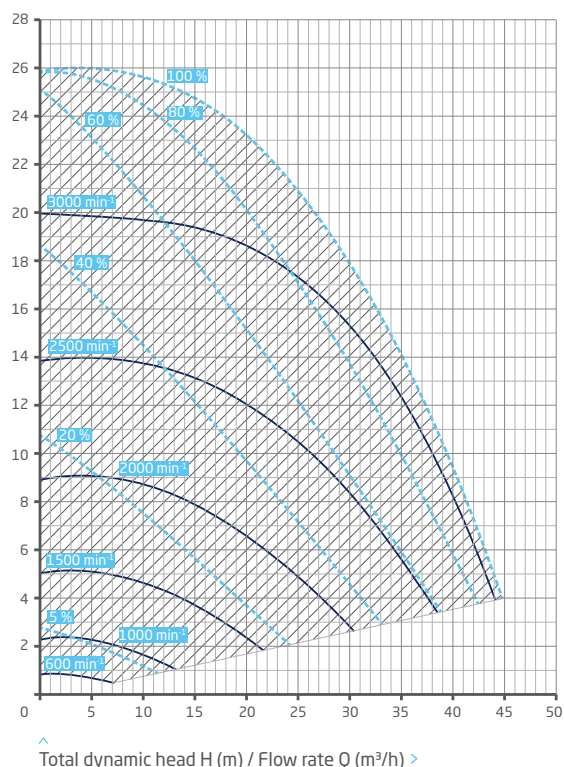
Strainer basket mesh size approx. 3.0 x 2.8 mm

Performance features

- Operates according to the "Eco VS" principle
- Simple operation
- Performance control in % and speed control in rpm
- Efficient PM motor
- Potential-free contacts + analogue 0 - 10 V and 4 - 20 mA
- RS 485 interface

Performance

Detailed information and dimensions available on request or at badu.de



Universal automatic backwash unit for almost every application - simple operation with a new approach...



BADU[®] OmniTronic - Upgrade



Field of application

Depending on the size and load, filter units have to be backwashed on a regular basis in order to wash away debris that has been filtered in. The BADU OmniTronic electronic backwash device is a reliable and time-saving alternative to manual backwash valves.

Mode of operation

The backwash procedure and filter times start automatically according to the specifications set.

Performance features

- The performance features of the new BADU OmniTronic have been enhanced by a larger housing box, which now also offers space for additional onsite modules.
- Small top hat rail (15 mm) provided for components.

Optional additional modules

- For direct connection of single-phase pumps via a contactor e.g. BADU Prime 7 to BADU Prime 20.
- For direct connection of three phase pumps via three phase protection and a contactor e.g. BADU Prime 7 to BADU Prime 25.
- Insert option for a circuit board that controls the floor drain.

Water level control. With conductivity sensor.



BADU® BNR 400

Field of application

For observation of the pool water level including the safety features and also for water level regulation. Due to the multilingual menu this product can be used in almost every country worldwide.

Design

- Electronic control unit with modern clamp connection technology.
- Mounting rail.
- Level sensor.
- Magnetic valve Rp ½ (at an additional cost).

Technical data

Rated voltage 1~ 230 V, 50/60 Hz
 Relay switching capacity 4.0 A at 1~ 230 V
 Cable cross section 2 x 1.5 mm²
 Level voltage approx. 12 V

Design variations

- BADU BNR 400 with sensor and a cable length of 7.50 m with/without magnetic valve.
- BADU BNR 400 with sensor and a cable length of 25 m with/without magnetic valve.
- BADU BNR 400 without sensor und without magnetic valve.

Accessories

- Conductivity sensor 7.50 m or 25 m long.
- Separate magnetic valve Rp ½.

Accessories

Detailed information available on request or at badu.de



< Conductivity sensor

Magnetic valve Rp ½ >



Pumps for large public facilities and attractions. With pre-filter.



Normblock Multi FA



Field of application

Swimming pool water circulation and filtration as well as operation of swimming pool attractions in public swimming pools. Also suitable for irrigation, drainage, water supply, shipbuilding and industrial applications.

The Normblock Multi S FA design is also suitable for pools with thermal water or elevated salt concentrations as well as for water treatment e.g. in aquaculture.

Design

The Normblock Multi FA pump is a non-self-priming, single-stage volute casing pump including a horizontal pre-filter with performance classification and main dimensions in compliance with NF E 44-112 and DIN EN 733 (replacement for DIN 24255).

The pump has a maximum flow rate of 450 m³/h. It is flanged together with the horizontal pre-filter and replaceable norm motor to form a modular unit.

Horizontal pre-filter capacity

| | |
|----------------------------------|----------------------|
| Normblock Multi FA 100/250 | approx. 100 l |
| Normblock Multi FA 125/250 | approx. 100 l |
| Strainer basket mesh size | approx. 5.1 x 6.1 mm |

Performance features

- **Motor** > Directly mounted, DIN-IEC three phase, low-noise operation, surface-cooled, removable motor in German brand quality.
- **Plug-in shaft system** > Motor can be replaced without having to completely disassemble the pump or without having to dismantle the mechanical seal.

Details

Detailed information and dimensions available on request or at badu.de

Horizontal pre-filter



Fully automatic dry run protection - automated venting.



BADU® VTLs

Field of application

For attaching to the Normblock and BADU Block series, as well as all plastic pumps of the Normblock Multi and BADU Block Multi series, where the vent line has been led out to vent the mechanical seal.

Design

- Electronic control with modern terminal connection technology.
- Automatic venting via electric ball bearing.

Performance features

- Manual venting is no longer necessary.
- Fully automatic monitoring via the pump control because the unit is connected directly. This means that if air has accumulated in the pump via the suction line, the dry running protection switches it off and opens the vent valve.
- The control is carried out via conductive sensors and a control switch box.

Control functions

- Dry run protection and venting. Short venting intervals can also be programmed for example once a day or once a week.
- Manual quick venting.

Application Detailed information and dimensions available on request or at badu.de



Aquaculture



Durable propeller pump in compact design.
 Dry-installed pump made of robust material.



BADU® Powerstar

Field of application

Water treatment and circulation in aquaculture for large volumes of water at low head
 Circulation pump for round or long flow pools, suitable for protein separators and skimmers.
 Can be used for fresh and salt water.

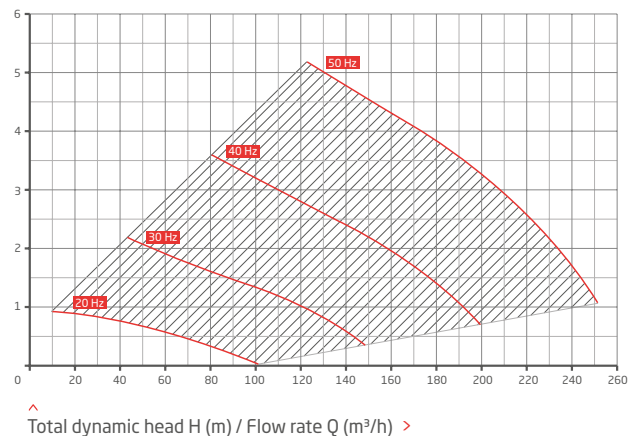
Design

The BADU Powerstar propeller pump is a single stage, non-self-priming elbow pump with an axial impeller. The pump can be installed vertically and horizontally.
 The bellow-type mechanical seal is mounted on a plastic shaft protector sleeve. Motor/pump shaft has no contact with the water in the circuit, providing complete electrical separation.
 Maximum flow rate: 250 m³/h.

Performance features

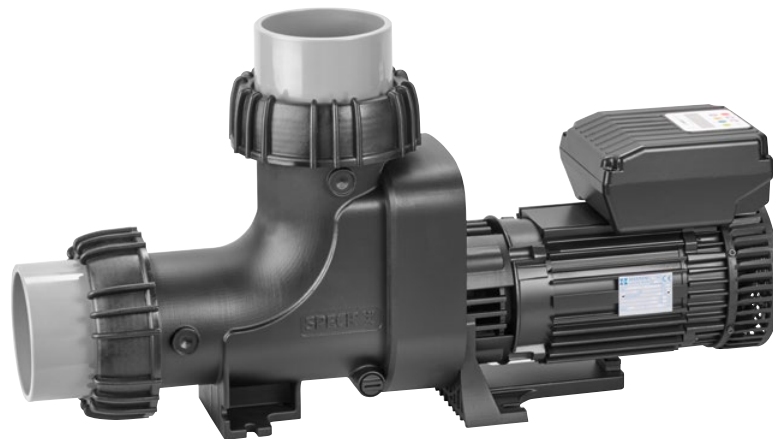
- **Motor** > Directly mounted, low-noise operation, surface-cooled electric motor with permanently lubricated, sealed ball bearings.
- **Flanges** > Compatible with EN 1092-2 PN 16 and ASME.
- **Construction size** > DND 150/DNS 150.

Performance Detailed information and dimensions available at speck-pumps.com



aquaculture

Innovative propeller pump for ponds and streams. Corrosion-resistant, efficient, variable.



BADU® Novastar



Field of application

Water treatment and circulation for ponds and streams. High water volume at low head. Suitable for small RAS units.
For water exchange in pond systems, as a bypass pump for oxygen enrichment, for protein separation in smaller systems and for very efficient water deaeration, CO₂ stripping.
Can be used for fresh and salt water.

Design

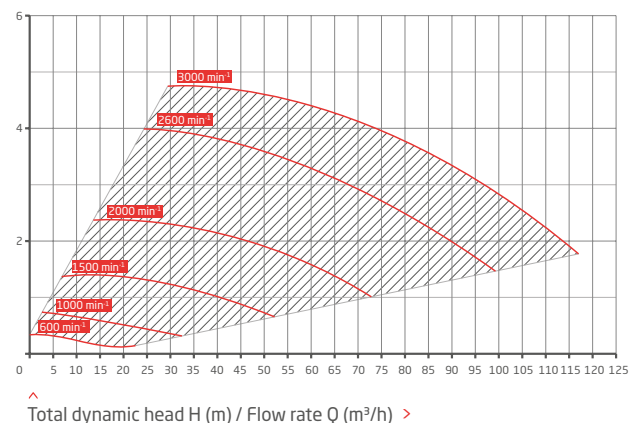
The BADU Novastar propeller pump is a single stage, non-self-priming elbow pump with an axial impeller. The pump can be installed vertically and horizontally.
The bellow-type mechanical seal is mounted on a plastic shaft protector sleeve. Motor/pump shaft has no contact with the water in the circuit, providing complete electrical separation.
Maximum flow rate: 115 m³/h.

Performance features

- **Motor** > Directly mounted, low-noise operation, surface-cooled electric motor with permanently lubricated, sealed ball bearings.
- Variable speeds up to 3000 rpm.

Performance

Detailed information and dimensions available at speck-pumps.com



Variable centrifugal pump for streams and pond circulation. Salt water optimised and robust.



BADU® Variostar

Field of application

Water treatment and circulation for ponds and streams as well as fish farming. Due to centrifugal pump technology, higher delivery heads are achieved than with propeller pumps.

Also suitable for backwashing biofilters, salt dosing and biofilter buffering.

Can be used for fresh and salt water.

Design

Non-self-priming monoblock-type pump with bellow-type mechanical seal mounted on a plastic shaft protector sleeve.

Motor/pump shaft has no contact with the water in the circuit, providing complete electrical separation.

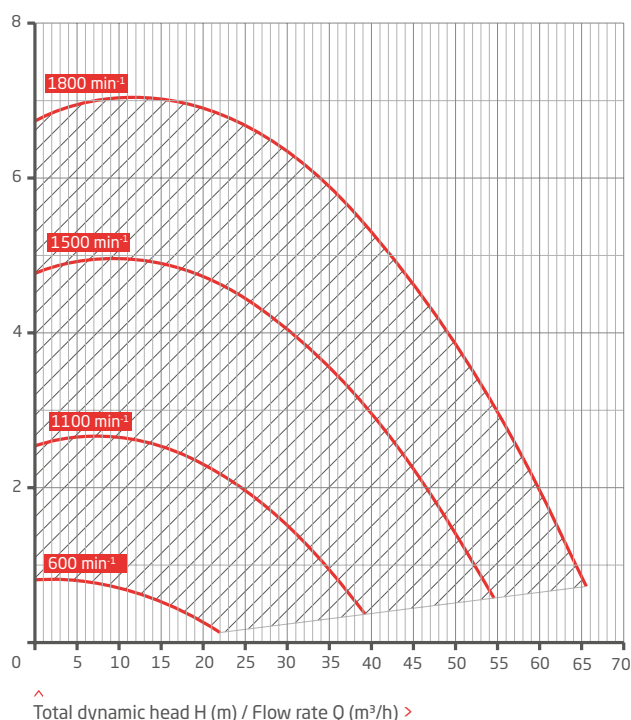
Maximum flow rate: 66 m³/h.

Performance features

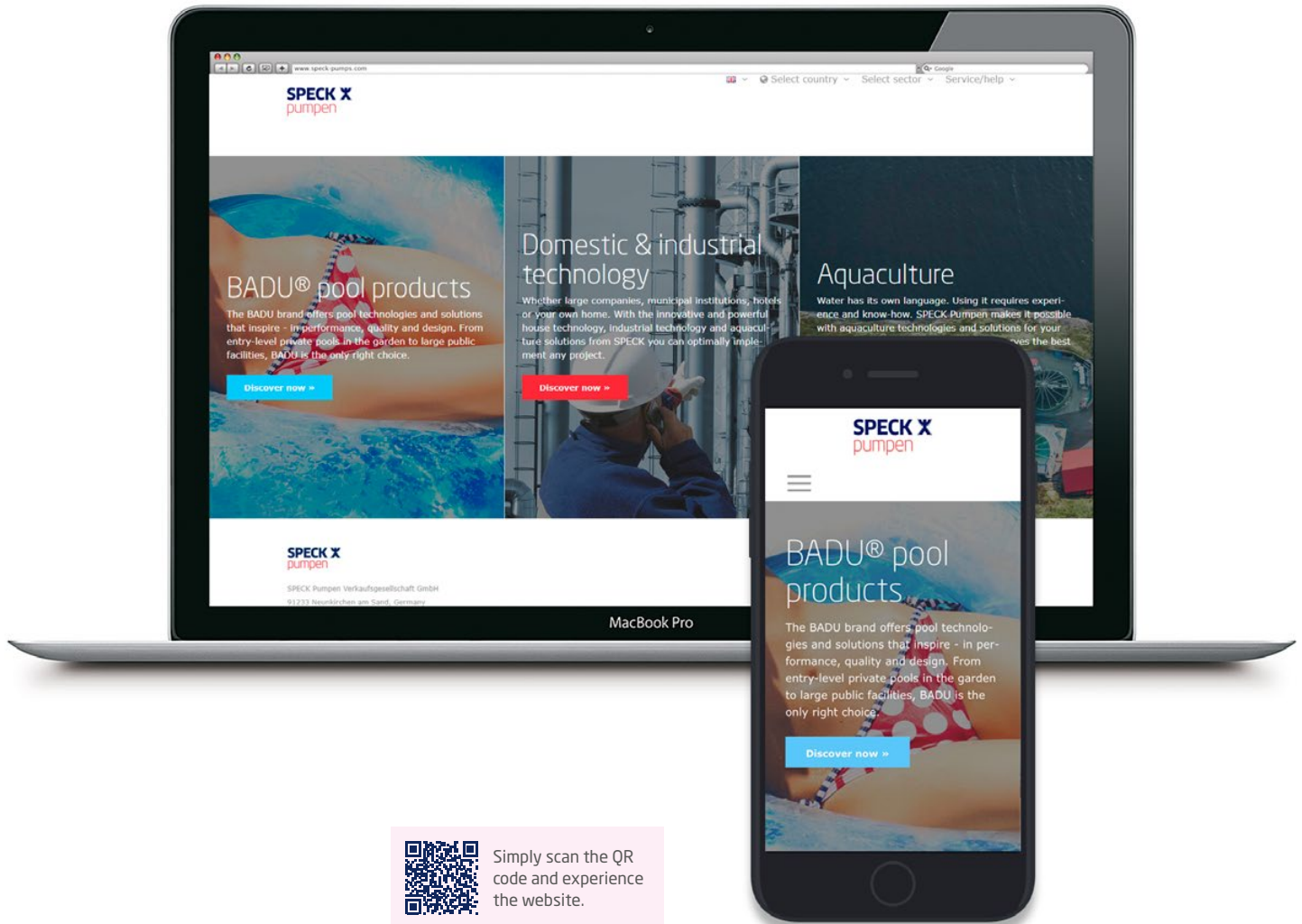
- **Motor** > Directly mounted, low-noise operation, surface-cooled electric motor with permanently lubricated, sealed ball bearings.
- Variable speeds up to 1800 rpm.

Performance

Detailed information and dimensions available at speck-pumps.com



SPECK X



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