

# BADU<sup>®</sup> BLOCK MULTI MAR MAXIMUM STABILITY.

Corrosion-resistant - even with high brine concentrations.

Permanently improved rate of efficiency due to new surface qualities.



The innovative, completely plastic concept of the BADU Block Multi Mar enhances the proven BADU Block technology taking it to a completely unique level.

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### Benefits of the BADU Block Multi Mar:

- > Internal coating is unnecessary for the completely plastic pump.
- > Wetted pump parts are made from optimised technically high-performance plastic (THP) - constantly robust, maintenance-free and economical.
- > Pump shaft does not come into contact with the pump liquid.
- > Corrosion-resistant and low-wear, even with high brine concentrations.
- > Maintenance-friendly plug-in shaft design.
- > Flexible attachment of IE3 and PM motors from 2.20 to 22.00 kW.
- > Plastic filter housing with transparent lid.
- > Filter basket and vent line made from plastic.
- > Individual seal designs for special water treatment.

#### WHY PLASTIC?

We wanted to improve the performance and eliminate systemic disadvantages of the BADU Block concept, which has already been proven a thousand times over. Robust with high brine concentrations, lighter, less wear, less maintenance - more flexibility. The THP plastic construction of the new BADU Block Multi Mar achieves more in every respect

For further questions or  
an individual consultation...  
call us on: +49 9123 949-400



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BADU Block Multi Mar 125/250

# BADU® Block Multi Mar

Completely plastic version with permanently improved rate of efficiency.  
Robust, maintenance-free and economical.

## Field of application

Circulation and water treatment.

## Design

Non-self-priming, single-stage, volute casing pump in vertical monoblock design. The process design allows easy replacement of the motor without disassembling the pipes. Due to the low motor speed, pump operation is quiet with very little wear and tear. The closed impeller can be individually adjusted to suit the respective operating conditions.

Circulation line and ball valve vent made from PVC and PVC hose.

### Filter housing capacity

BADU Block Multi Mar 65/250 ..... approx. 9 l

BADU Block Multi Mar 100/250, 125/250 ..... approx. 19 l

### Strainer basket mesh size

BADU Block Multi Mar 65/250 ..... approx. Ø 6 mm

BADU Block Multi Mar 100/250, 125/250 ..... approx. Ø 10 mm

## Technical data at 50/60 Hz

Flow rate ..... Q up to max. 330 m³/h

Dynamic head ..... H up to 24 m

Water temperature ..... t max. 40 °C

Maximum operating pressure ..... p 2.5 bar

## Construction sizes

BADU Block Multi Mar 65/250 DND 65/DNS 125

BADU Block Multi Mar 100/250 DND 100/DNS 200

BADU Block Multi Mar 125/250 DND 125/DNS 200

## Materials used

Casing parts ..... THK, PPE GF 30

Impeller ..... THK, PPE GF 30

Mechanical seal ..... SiC/SiC/EPDM

Pump shaft (no contact with pump liquid) ..... stainless steel

Motor lantern ..... cast iron EN-JL 1040

Filter housing ..... THK

Strainer basket ..... PVC

Filter lid ..... acrylic glass

## Flanges

up to DN 150 compatible with EN 1092-2 PN 16 and ASME

up to DN 200 compatible with EN 1092-2 PN 10 and ASME

## Motor

Directly mounted, DIN-IEC three-phase, low-noise operation, surface-cooled, removable motor in German brand quality.

Energy efficiency class IE3 from 0.55 kW, including PTC resistor sensor with fixed bearings on the pump side.

The motors are produced in the factory with closed condensation drain holes.

Construction ..... IM B 5

Protection class ..... IP 55

Idle speed ..... 1450/1750 rpm

Frequency ..... 50/60 Hz

Voltage 50 Hz ..... up to 2.20 kW: 230 V Δ/400 V Y

60 Hz ..... up to 2.60 kW: 265 V Δ/460 V Y

Voltage 50 Hz ..... from 3.00 kW: 400 V Δ/690 V Y

60 Hz ..... from 3.60 kW: 460 V Δ

Class of insulation ..... F

Cooling air temperature ..... max. 40 °C

## Bearing/lubrication

Motors up to construction size 180 have sufficiently dimensioned, maintenance-free, deep groove ball bearings according to DIN 625 with permanent lubrication.

> More details regarding all designs, characteristics and dimensional drawings on request or at [speck-pumps.com](http://speck-pumps.com)



### Ventilation

An external ventilation line allows manual ventilation and thus leads to a long service life for the mechanical seal. External ventilation made from plastic.

### Strainer basket

Made from plastic. Robust design with handles.

