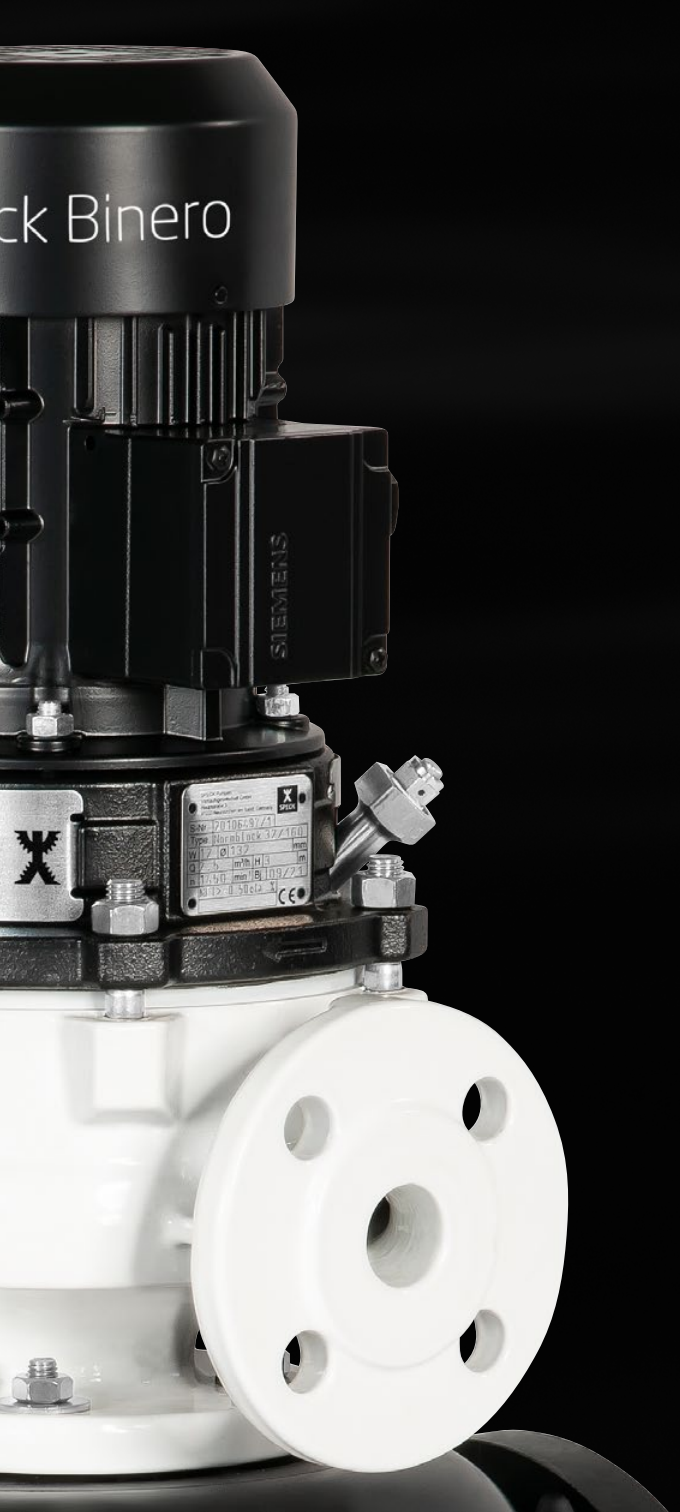
BADU®

BADU Block Binero

Innovative thermoplastic corrosion protection coating –
maximum efficiency and highest energy efficiency



BADU BLOCK BINERO

With the new BADU Block Binero series, SPECK Pumpen is raising the bar for the public swimming pool sector. The polyethylene-based innovative thermoplastic anti-corrosion coating offers new and versatile application options.

It is already running efficiently in thermal and brine water circuits and has successfully proven its practicality in long-term tests.

COATING & MATERIAL

The whole housing of the BADU Block Binero, i. e. all relevant parts in contact with media and parts at risk of corrosion, are 100 % coated which ensures not only permanent corrosion prevention but also optimum protection against aggressive media, wear and deposit build-up.

Corrosion in the threads is a thing of the past, as the thread for draining in the pump housing comes with a stainless steel thread insert. Another highlight: The filter housing* made of technical high-performance plastic with an acrylic glass lid. Thanks to the material, it can be used even at high brine concentrations without the need for additional internal coating and it is also permanently corrosion-resistant during maintenance and cleaning.

The corrosion resistance also has a positive effect on the efficiency of the pump.

*For sizes up to 15 kW

»There is no more energy-optimised, economical, and sustainable way to design pumps.«

HASSLE-FREE INSTALLATION & EASY MAINTENANCE

The process design of the BADU Block Binero can be easily dismantled into individual parts. It can also be installed easily in existing systems with difficult installation conditions, without the need to remove the pipework.

Thanks to the nozzle position, which is adjustable in 45° steps, the pump can be individually adapted to the system conditions.

The clear acrylic filter cover makes it possible to see the degree of contamination in the pre-filter at a glance from the outside, without the need to first shut down the pump, drain it and unscrew the lid to decide whether cleaning is necessary. This does not only save time for maintenance work but also costs during everyday operation.

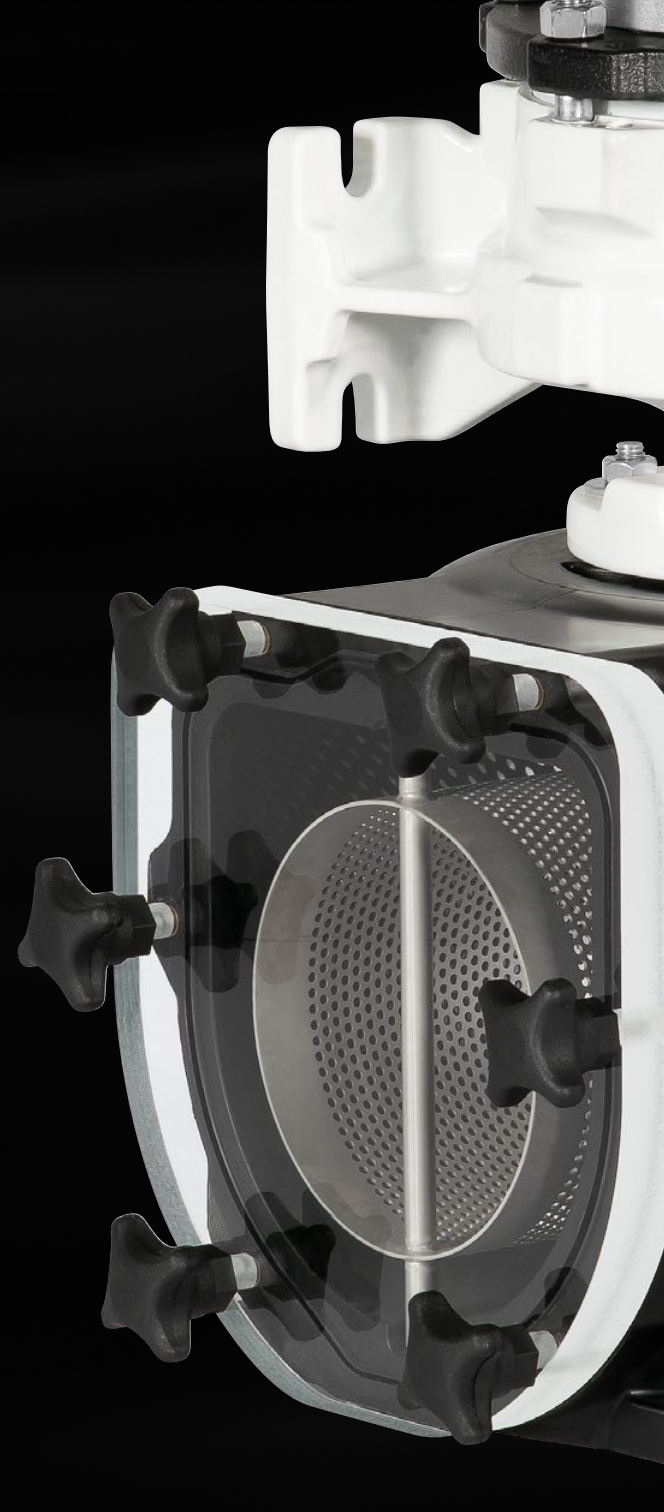
The plug-in shaft system makes it possible to remove or replace the motor for maintenance at any time, without having to completely disassemble the pump and without having to remove the mechanical seal.

EFFICIENT OPERATION & LOW COSTS

The permanently smooth structure of the surface of the BADU Block Binero – even after years – guarantees not only the optimal flow conditions but also constant and efficient operating conditions.

The high-quality all-bronze impeller, balanced to grade 6.3 in accordance with DIN ISO 1940, achieves the maximum attainable efficiency with the maximum diameter. In addition to considerable potential energy savings, this also results in significantly reduced life cycle costs.

As standard, the BADU Block Binero series is equipped with a highly efficient permanent magnet motor of class IE5 - corresponding to the currently highest energy efficiency class. A special highlight: The combination with a specific external frequency converter, of the customer's choice, allows for optimal control of the various motor variants to suit the system requirements.



BADU®

SPECK

BADU® is a trademark of
SPECK Pumpen Verkaufsgesellschaft GmbH
91233 Neunkirchen am Sand, Germany

Telephone +49 9123 949-0
Fax +49 9123 949-260

info@badu.de

badu.de

climate neutral
print
www.klima-druck.de
ID-No. 22125099
bvdm.

More Information:
speck-pumps.com/en/badu-block-binero

Innovative thermoplastic corrosion protection coating – maximum efficiency and the highest energy efficiency

BADU® Block Binero

Technical data at 50/60 Hz

Flow rate ..... Q up to max. 380/435 m³/h
Dynamic head ..... H up to 25/36 m
Water temperature ..... t max. 40 °C

Maximum operating pressure

Pump casing ..... p 10 bar
Filter housing
with transparent lid ..... p 2.5 bar

Speed variables ..... n approx. 1450/1750 rpm

Types

BADU Block Binero ..... 32 up to 125

Flange

up to DN 150 compatible with EN 1092-2 PN-16
from DN 200 compatible with EN 1092-2 PN-10

Motor

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

Motors

Standard motor

IE3 motor from 0.75 kW.
Advantage: very high grade of efficiency

PM motor

IE5 motor.
Advantage: very high grade of efficiency

> **Special motors on request.**