

Product Information Chemical Motor Pump Unit BN

Tradition creates innovation

The chemical centrifugal pumps from Lutz-Jesco have been developed particularly to be used for industrial applications and are thus especially sturdy and have a long service life – also in the case of most aggressive media and high-duty operation.

For highest requirements

Chemical motor pump units BN are single-stage, normal-priming pumps with horizontal axis. They are supplied completely with motor for a fast and easy installation into the piping system. Suitable for capacities of up to 120 m³/h.

The Motor Block Pump BN is flanged on directly to the three-phase motor with extended shaft. The shaft seal is a mechanical seal. Depending on medium and operating conditions the seal faces are made of silicium-carbid (SiC), bellows and secondary seals of EPDM or FPM, the metallic parts made of stainless steel (1.4571) or Hastelloy C-4 (2.4610).

In short

- Single-stage, normal-priming pumps with horizontal axis
- Piping connections according to DIN EN 22858/ISO 2858
- Corrosion-resistant
- Wetted-end parts made of highly resistant material
- Special varnish, stainless steel pump shaft with shaft protection sleeve
- Mechanical seal systems depending on medium
- Space-saving installation
- Vibrationless operation
- Wide range of capacity

Seal designs

- Single-acting, internal mechanical seal, independent direction of rotation (B2 i)
- Single-acting, independent direction of rotation with quenching chamber (B2 Q) for supply of external liquid
- Double acting with sealing chamber (B2 D) for separate barrier and buffer fluid systems
- Special designs on request



Technical data

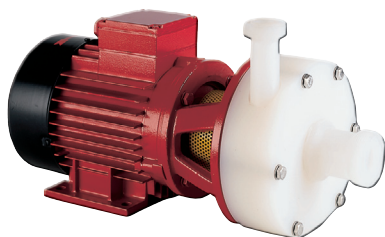
Design	block design
Materials	PP, PVDF (further materials on request)
Max. flow rate Q	120 m ³ /h
Max. delivery head H	60 m
Motor power	1.1 ... 11 kW
Speed	1450 min ⁻¹ and 2900 min ⁻¹
Ambient temperature	5 – 40 °C
Temperature of the medium	PP 0 – 80 °C, PVDF 0 – 120 °C (subject to the medium)

Detailed product information and flow rate data on request.

Further Chemical Centrifugal Pumps

Chemical Motor Pump Unit MB

The normal-priming chemical motor pump units MB with horizontal axis are designed particularly for low-viscosity, acidic and alkaline solutions with a low solid matter content. The head assembly of the single-stage pumps consists of high-quality plastic material and a hydraulically efficient spiral casing.

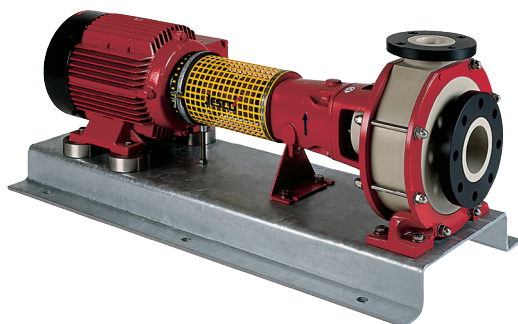


In short

- Single-stage, normal-priming pumps with horizontal axis
- Open impeller
- Pump head made of high-quality thick-walled plastic material
- Corrosion-resistant
- Wetted-end parts made of highly resistant material
- Special varnish, stainless steel pump shaft with shaft protection sleeve
- Shaft seals single or double-acting
- Vibrationless operation

Chemical Standard Pump N

Chemical standard pumps N are single-stage, single-flow and normal-priming centrifugal pumps with spiral casing. Due to their modular structure the bearing support can be removed without having to dismantle the piping connections and the motor. Smooth and vibration-free operation because of the sturdy construction. For capacities of up to 300 m³/h.



In short

- Single-stage, normal-priming centrifugal pump
- Piping connections according to DIN EN 22858/ISO 2858
- Fast and easy removal of the bearing support
- Corrosion-resistant
- Wetted-end parts made of highly resistant material
- Special varnish, stainless steel pump shaft with shaft protection sleeve
- Mechanical seal systems depending on medium
- Perfectly dimensioned shafts and bearings
- Lifetime lubrication of bearings in bearing support
- Vibrationless operation
- Wide range of capacity

Vertical Immersion Pump VTP-BBF

Plastic pumps VTP-BBF are vertical immersion pumps corresponding to the proven and well-known two-pipe principle. The main components of the single-acting pump are assembled in block design (according to DIN EN 22858). For capacities of up to 80 m³/h.



In short

- Single-stage, vertical immersion pumps according to the two-pipe principle
- Immersion pump with especially designed three-phase A.C. motor
- Immersed section of the pump without seals
- Corrosion-resistant
- Wetted-end parts made of highly resistant material
- Special varnish for motor and metal parts