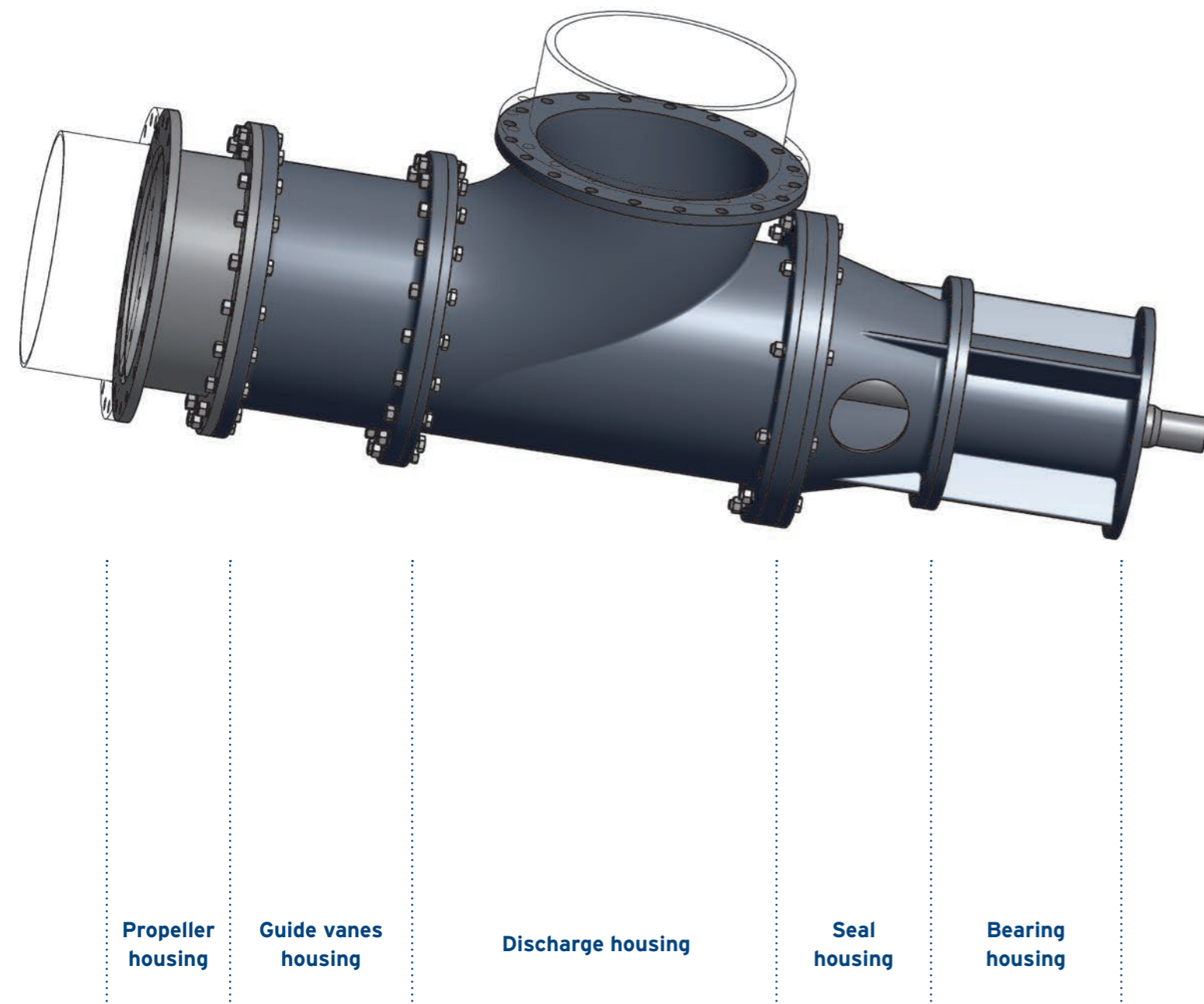


2.06 IBP Inline elbow pump



Inline elbow pump - IBP 500
(shown without motor)

Fits into pipe systems

This propeller pump can be installed in pipe systems horizontally or vertically. It is therefore recommended for plant construction, because the pumping medium in this case already flows via a pipe system. This type of pump has an optional back pull-out design, a feature that makes maintenance and cleaning work a lot easier.

This recirculation pump is suitable for the conveyance of water and aqueous fluids such as leaches, dilute acids, brines in closed pipe systems of industrial plants. This type of pump is used primarily in wastewater treatment plants, in which biological treatment is carried out after the activated sludge process, in which the flows (return activated sludge, recirculation) are moved permanently "in a circuit". It is equally suited for use as a so-called booster pump, where it simply increases the pressure in a pipeline.

Characteristics

- > The horizontal axle of the motor is flange-mounted, as a rule in construction type IMB3 and Protection Class IP55
- > The rotor assembly (shaft, shaft casing, impeller, bearing star) can be optionally extracted completely from the tubular housing. The pipe does not have to be opened
- > The sturdy bearing housing has roller bearings with an extremely long service life
- > The propeller blades fixed to the hub of the propeller can be adjusted individually allowing subsequent adjustment of the duty point of the pump
- > We offer the shaft guide bearings with pumping medium lubrication and supply them in three different material pairs. Grease lubrication is also possible
- > Depending on requirements we produce the propeller blades and shaft in different materials, from grey cast iron to super duplex stainless steel
- > The coating system differs according to customers demand and is always applied in several layers by hand

Technical data

IBP
Inline elbow pump

Hydraulic type
axial

Size DN (mm)
300 - 1,200

Delivery head (m)
1 - 10

Capacity (l/s)
200 - 4,500

Motor power (kW)
5.5 - 400

Rotor assembly extractable
optional

Reverse running mode
optional
yes

Orientation of the pump shaft
vertikal oder horizontal

Driving motor
electric

Installation of the motor
dry

Shaft guide bearing*
F/G/K/E

Particularly suitable applications



* F = grease lubricated slide bearing, G = rubber shaft bearing, K = ceramic bearing, E = elastomer-polymer composite