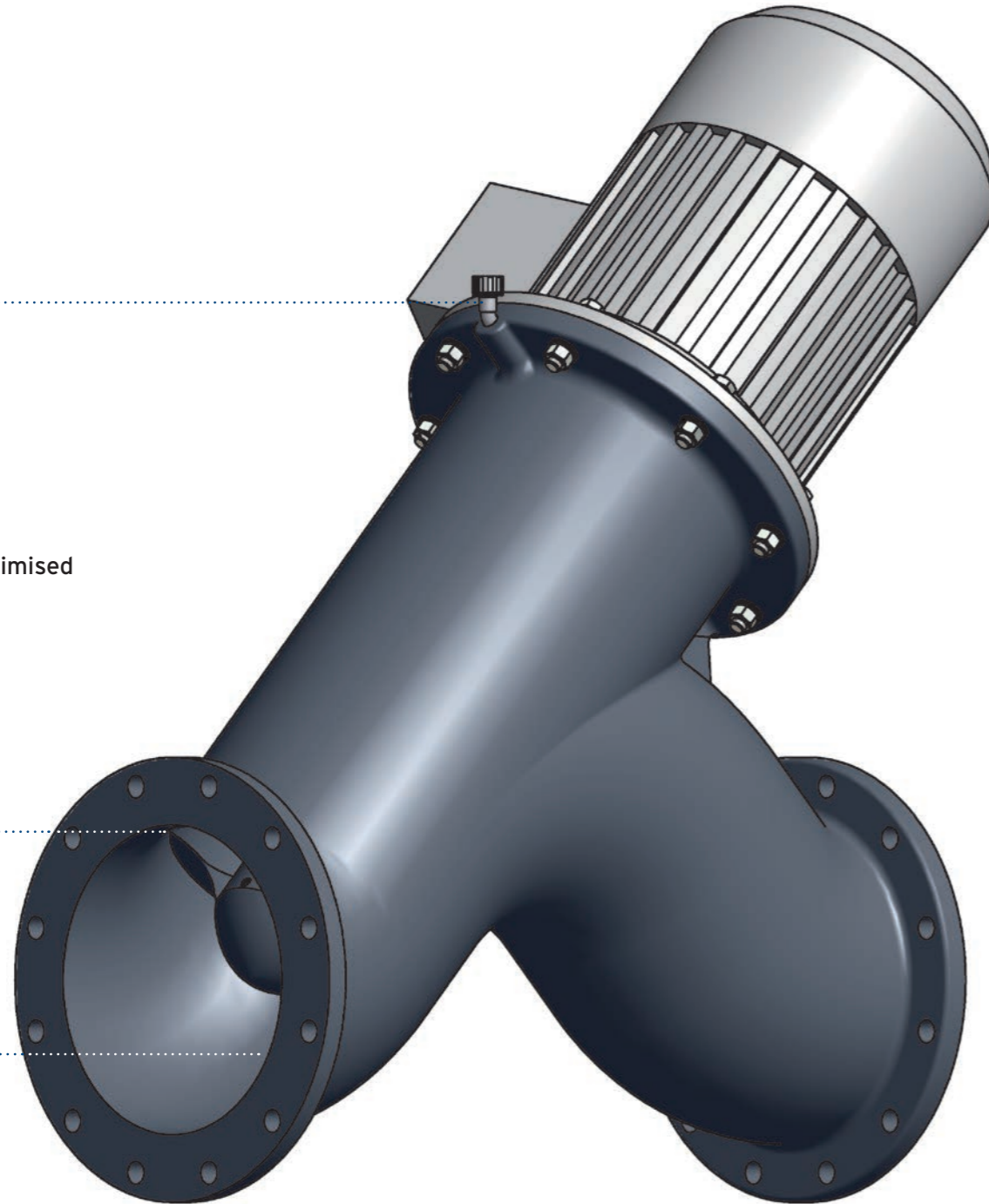


2.07 DIP Double-elbow inline pump

Driving motor

Pump housing
hydraulically optimised

Impeller



Double-elbow inline
pump - DIP 300

Freely positionable

This circulation pump conveys aqueous fluids in the chemical industry, in plant constructions, for the treatment and purifying of drinking water and wastewater. It provides high capacities at low heads, the reason why propeller hydraulics are used.

Thanks to its short overall length and parallel flanges, the double-elbow inline pump from KÖSTER is ideally suited for installation in every straight pipeline.

No pipes with a 90° bend angle are needed, so there are no compromises where hydraulic or structural requirements or questions of structural layout are concerned.

Characteristics

- > The pump hydraulics operate with very low loss of efficiency without guide vanes housing. So no fibres or plait-forming contents can get entangled
- > The hydraulically-optimised pump housing is made of grey lamellar graphite cast iron (EN-GJL-250), the impeller is made in one piece from spheroidal graphite cast iron (EN-GJS-400)
- > The propeller and the housing are designed using the latest CFD (Computational Fluid Dynamics) software and are university-tested
- > The pump can operate in the reverse direction for a short time (approx. 20 seconds). This frees the impeller of any foreign matter. This in turn means approx. 80% of all failures arising from clogged impellers are remedied without having to dismount the pump
- > The propeller is arranged on the shaft of the motor
- > The industrial motor is designed for continuous operation
- > A mechanical sealing is integrated in the motor housing that reliably prevent any pumping media from penetrating the motor

Technical data

DIP
Double-elbow
inline pump

Hydraulic type
axial

Size DN (mm)
as of 300

Delivery head (m)
0.5 - 3

Capacity (l/s)
as of 100

Motor power (kW)
as of 4

Rotor assembly
extractable
no

Reverse running mode
optional
yes

Orientation of the
pump shaft
diagonal

Driving motor
electric

Installation of the
motor
dry

Shaft guide bearing
none

Particularly suitable
applications

