



■ series

PZD



TWIN SCREW PUMPS DIVISION

MAIN CHARACTERISTICS



SERIES

PZD

LARGE FLOW, FOR LUBRICATING MEDIA, OIL, FUEL OIL

FLOW RANGE: 2000 to 9000 litres/minute (120 to 540 m³/h)

MAX PRESSURE: 16 bar (8 bar for 1.6 – 10 cSt range)

MAIN APPLICATIONS:

- **Marine: oil or fuel transfer**
- **Power generation: lubrication or cooling of large equipment**

AVAILABLE IN TWO MAIN INTERNAL VERSIONS:

- **Three screw configuration: PZD**
- **Twin screw WTG (Without Timing Gear) PZD - WTG**



MAIN CHARACTERISTICS



SERIES

PZD

NPSHr is at best low level in similar pump product ranges

PZD and PZD-WTG are equipped with a renewable liner

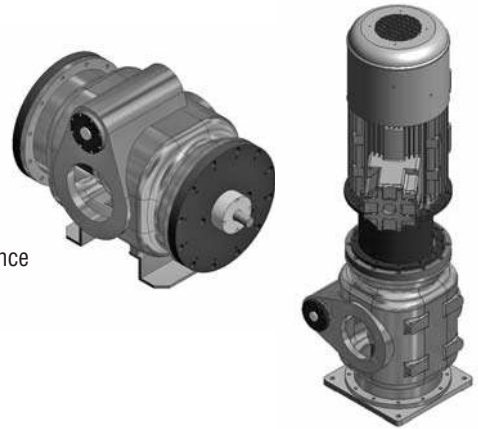
Screw-set and liner can be dismantled from shaft side flange, for easy main maintenance

Internal valve:

Pumps are equipped with an internal recirculation valve limiting the pressure

In case of air in the fluid:

An adjustable internal device helps reducing significantly noise and pressure changes



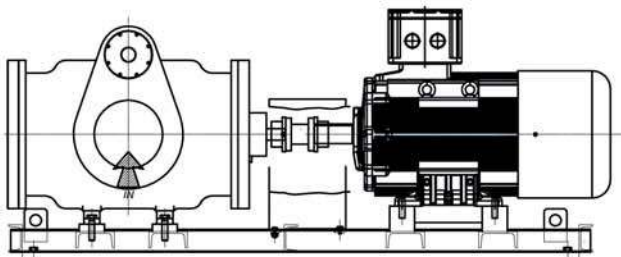
INSTALLATION DATA	
Installation	Indoor or Outdoor
Environment	Marine, Industrial
OPERATING DATA	
Handled fluid	Hydraulic and Lube oils, HFO, DO, LSMGO
Viscosity range	From 1.6 to 5000 cSt (*)
Pump speed	From 750 to 1750 rpm
Rotation (viewed from coupling end)	CW (Std version); CCW on demand
TECHNICAL CHARACTERISTICS	
Flow range	2000 to 9000 litres/min (120 to 540 m ³ /h)
Suction pressure	From - 0,5 to 10 bar
Delivery pressure	Up to 16 bar (8 bar for 1.6-10 cSt range)
Operating temperature range	From 0 to 120 °C (*)
Seal	Mechanical seal
Bearing type	Radial ball bearing on main shaft
Bearing lubrication	Lubricated by pumped fluid
Mounting arrangement	Vertical or horizontal
Inlet & Outlet connection	DIN standard (double internal entry and delivery port in the middle)
MATERIALS	
Casing/Flanges	Cast Iron GGG40, GG25 (*)
Screws	Nitrided steel
O-rings	Viton ®
Surface protection	On demand

(*) For different values contact Seim

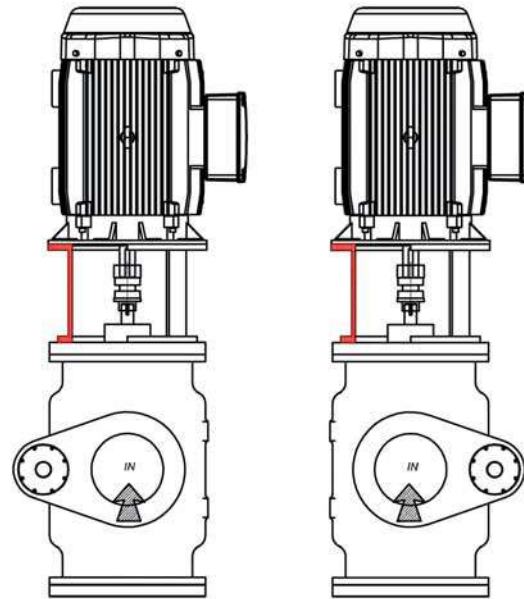
SERIES

PZD

MAX PRESSURE VALVE CONFIGURATIONS

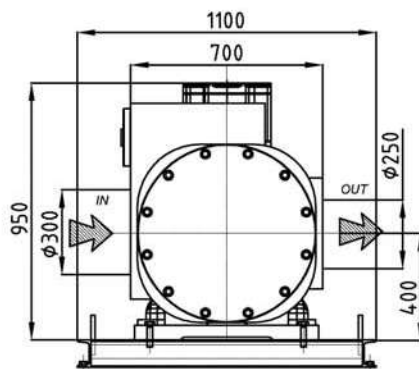
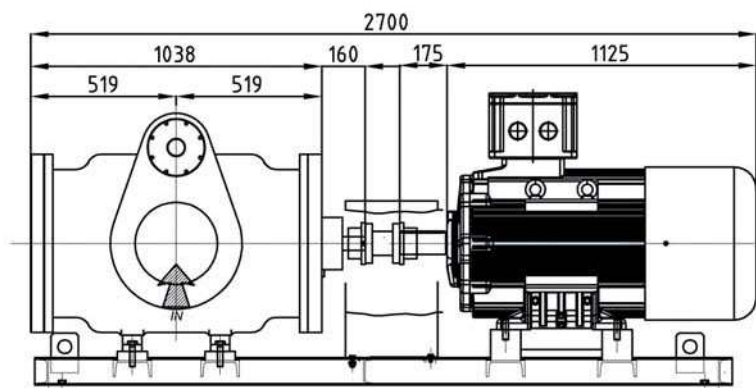


HORIZONTAL VERSIONS MAX PRESSURE VALVE ON THE TOP

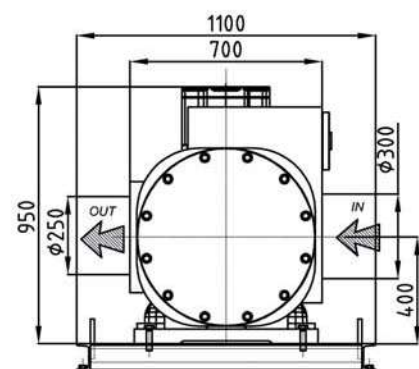


VERTICAL VERSIONS MAX PRESSURE VALVE ON THE LEFT OR RIGHT SIDE

HORIZONTAL VERSIONS - PZD 156 & PZD WTG 170



SUCTION ON THE LEFT OR THE RIGHT SIDE



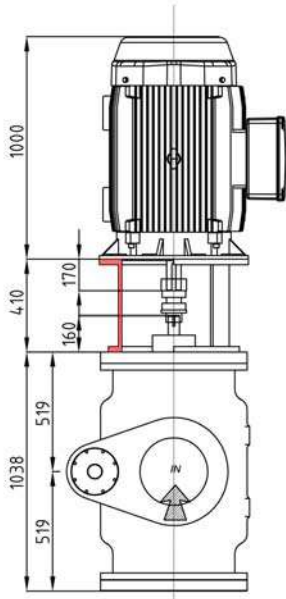
DIMENSIONAL CHART



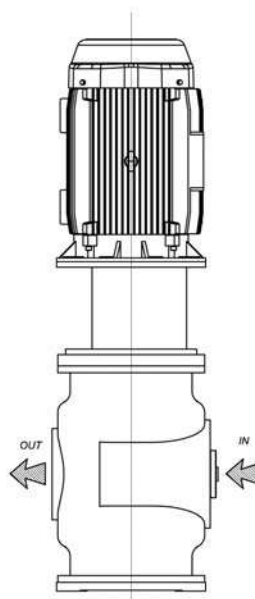
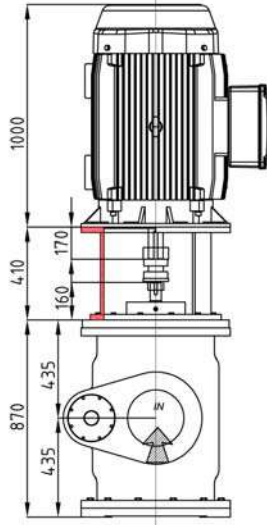
SERIES

PZD

PZD 156

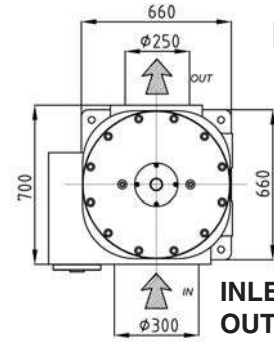


PZD 126 - 102



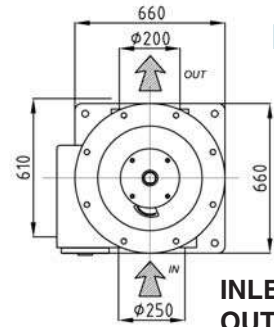
MOTOR SIZE 315

PZD 156



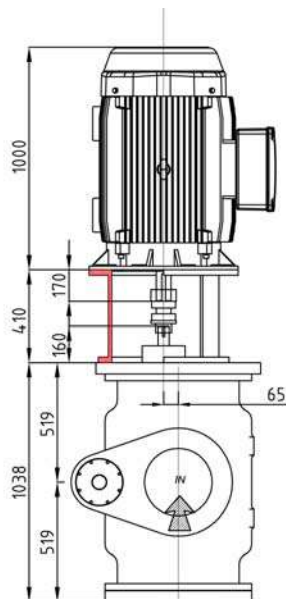
INLET DN 300
OUTLET DN 250

PZD 126 - 102

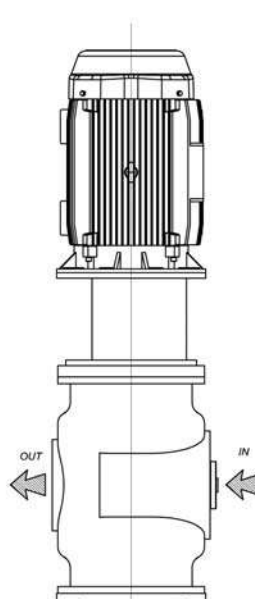
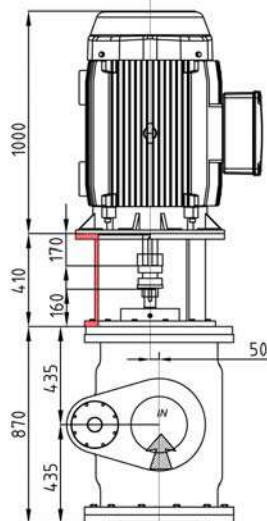


INLET DN 250
OUTLET DN 200

PZD WTG 170

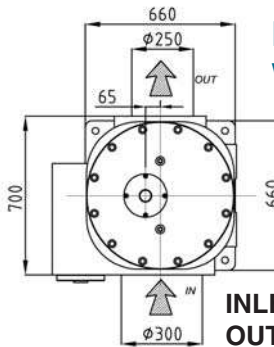


PZD WTG 130



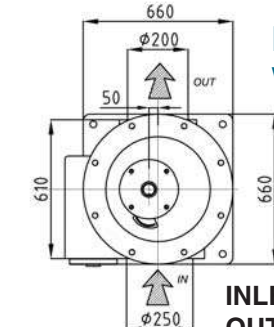
MOTOR SIZE 315

PZD WTG 170



INLET DN 300
OUTLET DN 250

PZD WTG 130



INLET DN 250
OUTLET DN 200



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