

Vogelsang rotary lobe pump

as a horizontally mounted, dry-running rotary piston pump.

The pump and drive are mounted on a shared torsion-resistant bracket made of galvanized steel, aligned, and connected with an elastic coupling including a plastic coupling guard.

Process conditions:

Pumped medium: _____
Required volume flow (control range from – to, if applicable): _____
TS content: _____
Medium temperature: _____
Pressure at inlet: _____
Pressure at outlet: _____
Differential pressure: _____

Design and materials:

Make: Vogelsang
Model: VX186 Q
Selected manufacturer: _____
Selected type: _____
Pump speed: _____
Power requirement: _____

Max. ball passage: 61 mm

Shaft diameter of pump chamber: 85 mm

Pump:

Housing half-shells: Adjustable housing halves made of GG-25
Axial housing protection: Protective plates in HVSS
Rotary pistons: four-wing HiFlo pistons in pulsation-free geometry made of NBR
Bearing: Single-sided bearings for quick piston replacement
Shaft: robust and break-proof shaft
Shaft seal: Seal as cartridge unit
Material: Block ring 1.4301 Cr2O3 / Duronit
Seal inspection: Visual inspection of the mechanical seal using a pressurized seal chamber container
Corrosion protection: 2-component primer and top coat
Pump and motor in RAL3020 (traffic red)
Maintenance: QuickService concept

Connections:

Connection type: _____
Connection standard: EN1092-1/11 PN16
Connection size: _____
Material: _____

Drive:

Helical gear motor

Manufacturer: Getriebebau Nord
Type: _____
Drive power: _____

Output speed: _____
ISO class: F
Protection class: IP55
Voltage: 400/690 V
Frequency: 50 Hz
Winding protection: 3 PTC thermistors
Control range during frequency converter operation: _____

Supply the pump system described above.

Options:

InjectionSystem

Housing half-shells with an increased wrap angle of at least 190°

Advantages:

- Improved efficiency
- Improved suction behavior
- Longer piston service life
- Greater resistance to foreign objects

Radial protective plates

Pump housing with modular injection system and radial protection plates. Maintenance possible without removing the pump from the pipeline.

Dry-running protection

The pump is supplied with a pre-installed temperature sensor for monitoring the temperature of the pump.

The scope of delivery includes a 5 m cable and a suitable evaluation device with display for front panel installation. The evaluation device is supplied separately.

Make PT100: _____

Type PT100: _____

Fabrikat Temperaturregler: _____

Temperature controller type: _____

Digital pressure monitoring

Maximum pressure shut-off and pressure sensor for control

2x digital output, 1x analog output

3-digit LED