

## 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: VX100 Q  
Selected manufacturer: \_\_\_\_\_  
Selected type: \_\_\_\_\_  
Pump speed: \_\_\_\_\_  
Power requirement: \_\_\_\_\_

Max. ball passage: 20 mm

Shaft diameter of pump chamber: 45 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