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Technical data (High-pressure pump APV GAULIN)

Dear Sir or Madam,

We refer to your request for a catalog with detailed information of the cylinder block, plunger and further specific details of the purchased High-pressure pump and send you the manufacturers responds as follows:

There are no catalogs for all possible performances and for each type of cylinder and pistons with particular coatings related to each particular inquiry available.

The specific designs are tailored to the required application, but they are always geared to basic concepts. (See the general brochure)

Below you find the specific information deposited in our archive

High Pressure Pump

Type: Gaulin

Execution: sanitary

Product: for Milk concentrate

Process Data:

- Capacity: 10.000 l/h variable
- Max. Pressure: 400 bar

Cylinder block:

- High pressure resistant material SAF 2205
- Plunger, chrome carbide coated (HCR)
- Suction- and delivery pump valves optimized for the product
- Changeable pump valve seats made from Stellite, metal sealed
- High pressure membrane gauge

Safety valve:

Overpressure Relief Valve SLRV-PO with PNEUMATIC ACTUATOR for remote springload release during CIP

- mounted on the cylinder block, opening pressure 490 bar

**Elastomers:**

- Material EPDM or PTFE

Machine housing:

- Casting material, corrosion proved

Main drive motor:

- 6 ph. motor 110 kW, 1.500 rpm, IP55, 415V, 50 Hz , with thermistor and axial air fan, IE3 execution

Lubrication System:

- Forced lubrication system with oil pressure switch and electrical driven oil pump 0,75 kW

Cladding:

- Stainless steel, machine on dampening pads

Machine cooling:

- Air fan 0,19 kW, IP55, position: backside
- Special tools, spare parts set for the start up phase, manual

Process Data:

- Capacity / Pressure 10.000 l/h /400 bar
- Plunger diameter- / Stroke 65 mm / 80 mm
- Number of Plunger 3
- Crankshaft speed 13 - 128 rpm
- Feed pressure 3 - 5 bar

Product Data:

- Viscosity / Working temperature < 500 mPas. / 40 – 90°C
- Particle size (solids, impurities) max. 500 µm

CIP/SIP Data:

- Cleaning temperature-/ Time max. 90 °C / 30 Minutes
- Sterilisation temperature-/ Time max. 140 °C / 30 Minutes
- Cleaning proposal: with feed pump at open homo valve, max throughput

Connections:

- Product: Welding flanges according to DIN11864-2

Energy Connections:

- Cooling water for oil cooler, 2 bar/ 90 l/h/ R ½"/ max. 8° dH
- Medium plunger lubrication Cooling water
- Air supply pressure 6 bar

