

Solutions in Pumping Technology

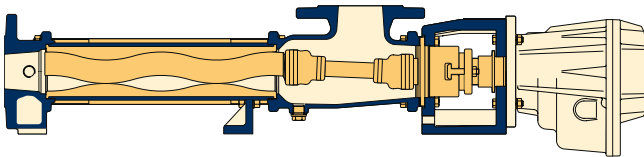
Verderpro progressing cavity pumps, model VPS



The VPS series form the basis of our comprehensive Verderpro pump range. These pumps can be equipped with various rotor/stator geometries and are used in almost all areas of industry for pumping low to high viscous media with or without solids. This pump is of exceptionally high quality and is extremely cost effective.

Pump types

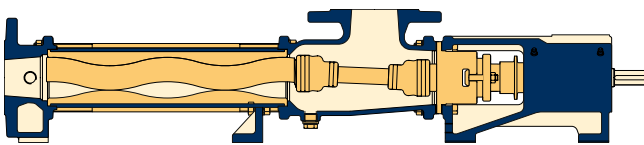
■ VPS type



- Short, compact construction directly coupled
- Maintenance friendly due to the pin shaft connection
- Economical design. No bearing housing, no elastic coupling, no foundation plate
- Flow rates: 50 l/hr - 500 m³/hr, pressure: up to 48 bar

■ VPSL type

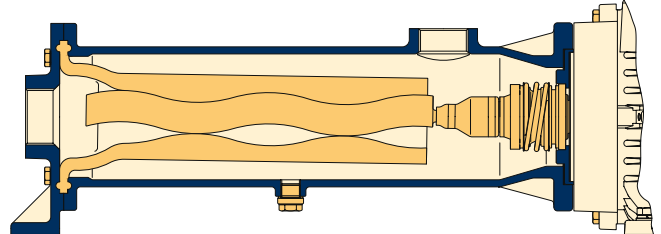
- Bare shaft end; various drives possible with a flexible



coupling or V-belt

- Drive shaft with ball bearings that can be re-lubricated
- Maintenance friendly due to the pin shaft connection
- Flow rates: 50 l/hr - 500 m³/hr, pressure: up to 48 bar

VPW type



- Free standing support
- Short, compact construction directly coupled
- Flexible stator without steel casing
- Quick disassembly of parts due to the simple pump construction
- Flow rates: up to 2.4 m³/hr, pressure up to 4 bar

■ Seals

- Standard gland packing with 6 packing rings
- Gland packing with internal barrier chamber ring
- Gland packing with internal barrier chamber ring and labyrinth gasket with prefitted bearings
- Gland packing with external barrier chamber ring
- Gland packing with external barrier chamber ring, 2 connections
- Gland packing with external grease chamber
- Single mechanical seal in various options
- Double acting mechanical seal
- Cartridge mechanical seal

■ Accessories

- Dry running protection
- Pressure protection
- Overpressure protection with bypass
- Universal coupling guard
- Adjustable stator spanner
- Impeller
- Dosing unit
- Feed screw
- Lantern ring
- Gasket shield
- Barrier feeder system
- Pressure line adapter
- Lubricant injection device

■ Application areas

- Wastewater and slurry treatment
- Pharmaceutical and cosmetic industries
- Oil, gas and petrochemical industry
- Dairy and food processing industry
- Galvanics

■ Material selection

We select the best material for the pump and the various parts depending on your application.

The material options •) for the VPS model are:

■ Housing material

- Cast Stainless Steel
- Stainless Steel, AISI 304
- Stainless Steel, AISI 316
- AISI 316 Ti

■ Rotor material

- AISI D6 tool steel
- AISI 316
- AISI 316 Ti
- AISI 304
- AISI C45 tool steel

■ Stator material

- Buna-N

■ Rotating parts material

- AISI 316 Ti
- AISI 304
- GG25

•) = not all materials can be combined.