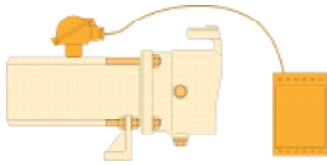


## Verderpro progressing cavity pumps: accessories

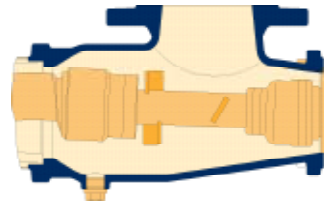
Verderpro progressing cavity pumps are excellent pumps for pumping (high) viscous media and other fluid composites. Verder offers a comprehensive programme of accessories and sealing possibilities to provide safe operation and expansion of the application areas..

### ■ Dry running protection



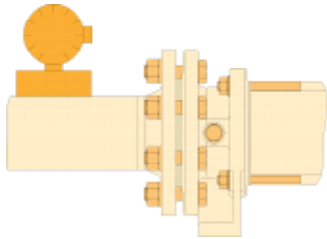
If the temperature limit value is exceeded, the control device switches off the pump drive and activates a failure message.

### ■ Impeller



For correct mixing of non-fluidising media.

### ■ Overpressure/underpressure protection



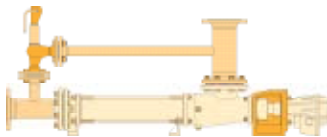
If the pump pressure set in the control device is exceeded, the pump drive switches off.

### ■ Dosing unit



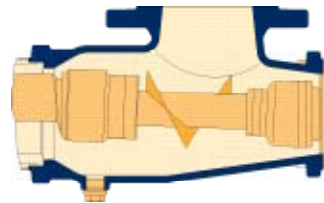
To control pumping volume when dosing.

### ■ Overpressure protection with bypass and safety valve



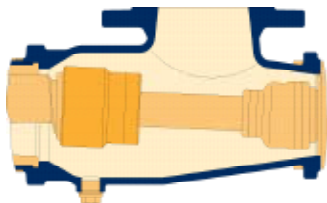
If the process requires a continuous feed flow and cannot be switched off during operation.

### ■ Feed screw



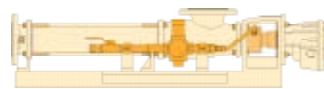
For a smooth flow of high viscous media.

### ■ Gasket shield



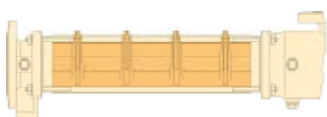
To prevent damage caused by coarse solid materials. If correctly applied, we guarantee 10,000 working hours.

### ■ Barrier feeder system



Feeding the barrier water to the shaft seal. Also available with a flowmeter.

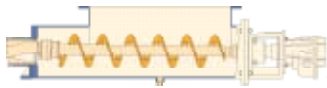
### ■ Stator re-tensioning installation



For the re-tensioning of the worn stator back to the original clamping state.

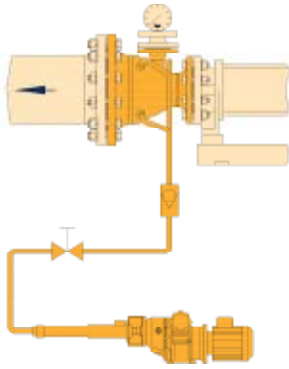
## Feeder pump accessories:

### ■ Hollow feed screw



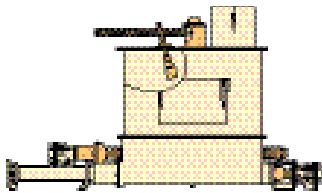
To prevent bridge forming when pumping slurry with a higher solid percentage.

### ■ Pressure line adapter and lubricant injection system.



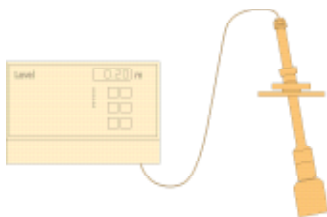
For assembling a pressure line with a larger diameter on the discharge side. Lubricant injection. It is also possible to mount a pressure gauge converter or a bellows contact manometer. Application of a lubricant reduces the friction between the pressure line and the product and eases the working pressure. By lowering the pressure, less power transmission is required and the service life of the rotor and stator is considerably extended.

### ■ Add-on feeder



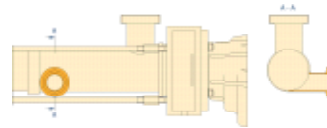
For the easy feeding of product. Fits all pumps of the VPR series.

### ■ Ultrasonic level control



An ultrasonic level sensor has been placed in the add-on feeder. The control converter sends signals enabling optimal mixing of the auxiliary substances.

### ■ CIP connection



For the thorough cleaning of the pump according to the standards set for the food industry. Available for all models in the VPH series.

## Application-related options

### ■ Sewage sludge treatment

- To maintain a constant sludge level in the feed hopper. A frequency converter is used to control the pump speed.
- For switching the pump, lump crusher, lime dosing and lubricant injection on and off.
- For the correct lime dosing in respect to the quantity of sludge.
- Supplied with dry running protection, overpressure protection and temperature monitoring in the pressure line.

### ■ Filter press:

- To set the filter pressure for filling the filter press chamber.
- For the controlled dosing of flocculants in relation to the quantity of sludge pumped.
- Supplied with dry running protection, overpressure protection and pressure control.