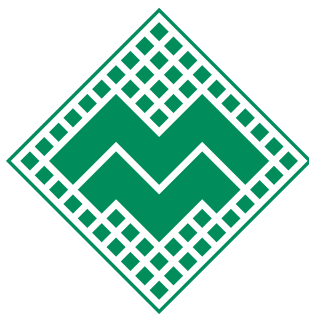




MULTOTEC

Slurry Pumps



Your Specialist in Process Equipment

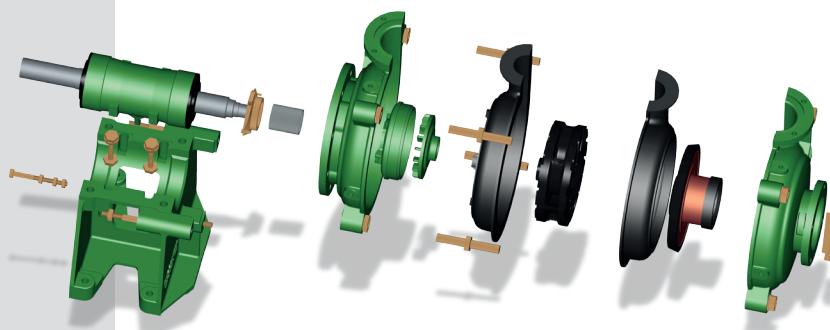


HD Rubber Pump Range

Design Characteristics

The HD Rubber Pump range has been designed for corrosive slurries.

Combinations of wet end materials such as chrome, rubber, various grades of stainless steel and alloys, as well as our newly developed SH46 material, are available.



HD Metal Pump Range

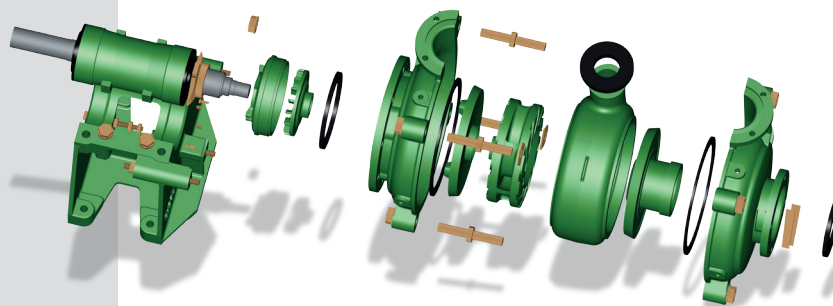
Pump Features

Bearing assembly:

- Short overhang on shaft design – assists with shaft deflection as well as vibration
- Dimensional interchangeability to suit heavy-duty bearing assemblies

Casing liners:

- Ease of maintenance design allows interchangeability with High-Chrome, Elastomer and various other material options



MD Pump Range

Design Characteristics

The MD Pump range is a cost-effective solution for medium-duty slurry applications, and the design allows for easy maintenance.

Casing:

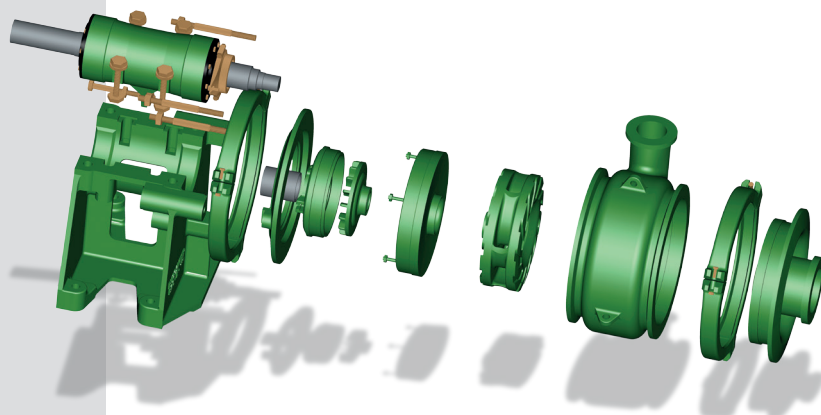
- Solid casing design
- Ease of rotation and maintenance on casing with improved clamp design

Impeller:

- Various impeller designs to suit any application
- Impeller adjustment via bearing assembly
- Expulsion vanes on impeller shroud, minimises stuffing box
- Various materials to suit any application

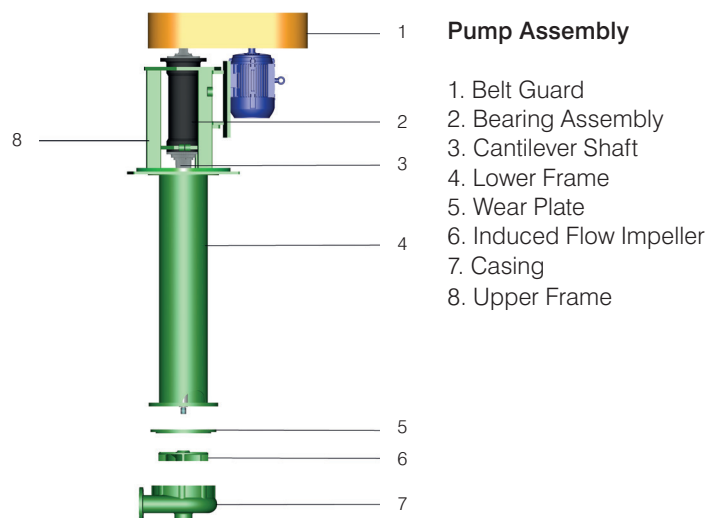
Sealing options:

- Stuffing box (full flow, low flow and ultra flow)
- Expeller seal, mechanical seal





ST Pump Range



Design Characteristics

Our ST Pump range is known for its induced flow impeller, making it the ideal choice for applications where large or stringy solids are being handled. It is also well-suited for use in the C.I.P process.

All pumps are available in cast iron, 27% chrome or stainless steel, and are lined with rubber wear parts.

Pump Features

Shaft and bearing assembly:

- Perfect alignment is achieved by piloting the upper frame of the bearing housing
- Oversized roller bearings increase operating hours up to 60 000 hours
- Lower bearing contamination is eliminated by the use of a grease-purged labyrinth and double V-ring seals
- Deflection is reduced while providing a more stable operation through the large heavy-duty cantilevered shaft

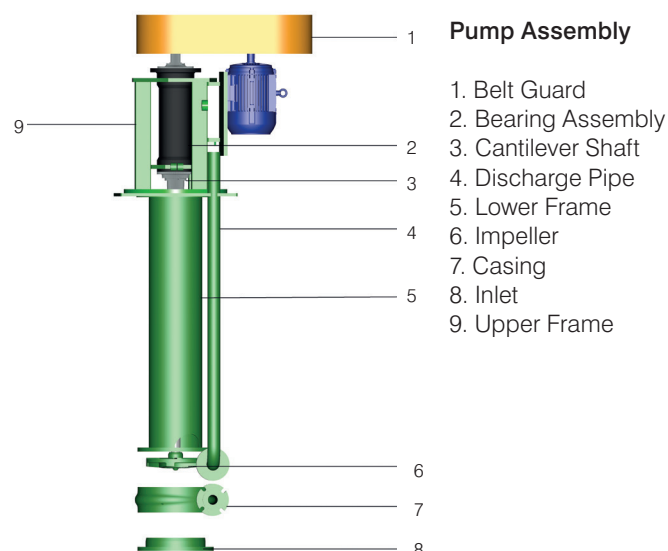
Wet end:

- No bearing is submerged, greatly extending maintenance intervals

Impeller:

- The recessed vortex impeller design eliminates the breakage of carbon particles in the C.I.P process
- The recessed impeller is well-suited for pumping fibrous slurries, with a large clearance between the casing and the impeller

HD-VS Pump Range



Design Characteristics

Our HD-VS Pump range is specifically designed to handle highly abrasive slurries.

Our robust pumps also feature a simple design aimed at making installation and maintenance an easy task.

Pump Features

Bearing assembly:

- Installed bearings run for a minimum of 60 000 hours and are double sealed against contamination
- Impeller clearance is a simple adjustment of the shaft and bearing housing assembly

Wear parts:

- All pumps are supplied standard in various options of natural rubber and 27% chrome, with stainless steel and other materials available on request

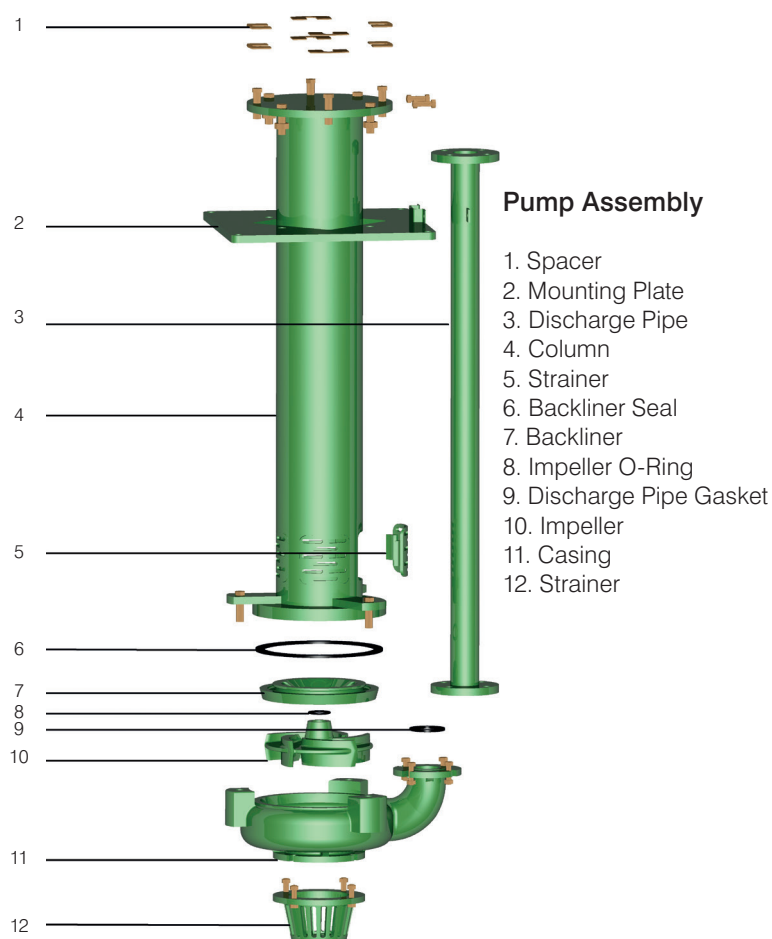
Cantilever design:

- Our HD-VS Pumps have no stuffing box, submerged bearings seals, which guarantees minimum maintenance while eliminating flushing or sealing water requirements

Impeller and casing types:

- Type "s": a semi-open impeller and casing with spray holes. A portion of slurry pumped returns to the sump, allowing for agitation of solids and de-aerations of the pump, helping prevent air blockages
- Type "a": a semi-open impeller with slurry agitator and extended shaft
- This design is well-suited for pumping coarse, rapid-settling solids

HD-SP Pump Range



Design Characteristics

The vertical spindle range is suited for all sump applications, spillage and carbon transfer. Available in different spindle lengths and materials of construction.

Pump Features

Bearing assembly:

- HD-SP Pumps comprise a cantilever shaft design

Casing:

- Casings are available in various rubber and metal options

Impeller:

- Impellers are available in various rubber and metal options

MD-TV Pump Range

Design Characteristics

The MD-TV Pump range is suited to all sump applications, spillage, carbon transfer, etc.

Various column lengths and materials of construction are available. Chrome, rubber and stainless steel are suited for corrosive and/or abrasive sump applications.

Pump Features

Bearing assembly:

- Grease-lubricated and sealed with labyrinths and V-seals
- The upper and lower bearings are grease-purged
- Taper roller bearings are used on drive and non-drive end bearings

Impeller:

- Open 5-vane top suction impeller design enables the handling of large solids

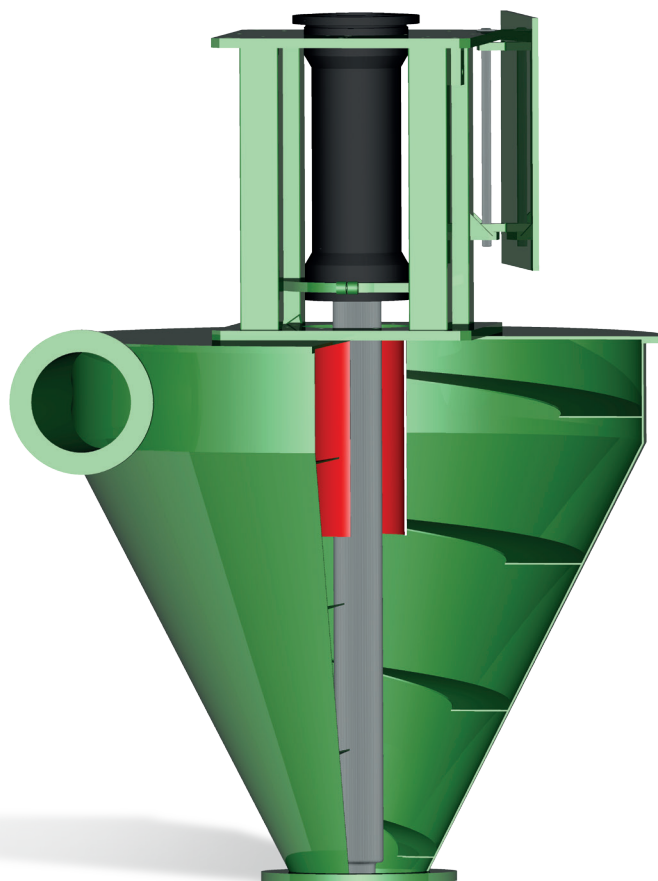
Strainer:

- Ease of maintenance design with quick release cotters

Casing:

- Salvic joints and two quick release cotters are used to lock the casing in place, allowing for ease of maintenance

MF Pump Range



Design Characteristics

Boost your froth pumping levels with the froth pump that has been designed to ensure high efficiency with minimal maintenance. Application areas include: mineral process plants, pulp, paper, sewage and effluent.

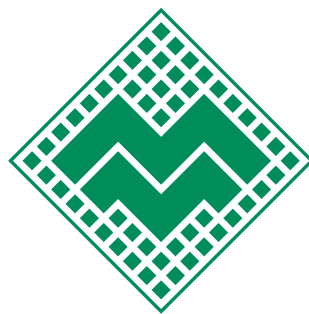
Design Background

Our froth pump is designed to considerably reduce the froth factor. We achieved this by creating a larger settling area in the tank, through the addition of a spiral and increasing the vortex finder size.

- The spiral increases the surface area inside the tank and reduces the travel distance of the escaping air
- The spiral induces cyclonic flow from the feed pipe to the impeller eye, notwithstanding the low mass of the froth
- The spiral also prevents the liquid climbing up the tank wall, the energy of which is diverted by feeding the slurry into the impeller

Pump Characteristics

- Built-in vortex breaker in the inlet (suction) boosts efficiency by ensuring that the media reports to the impeller eye
- Deflector plate housed within the tank prevents the formation of a vortex, swirling and spillage
- The cantilever design shaft enables the pump to operate without submerged shaft seals, bearings or stuffing box
- Large capacity tank allows for breaking down of froth
- Pumps are supplied as freestanding integrated units. Simple to install. No foundation or alignment required
- South African designed and manufactured, resulting in a pump that operates under the most arduous conditions
- Discharge position can be rotated 360°
- Open top design prevents air blocking
- Pump can run dry for long periods without damage



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