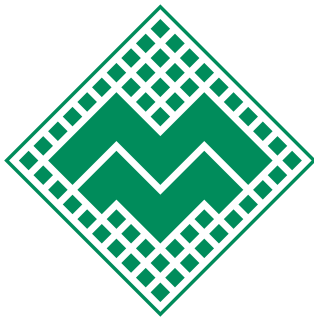




MULTOTEC

VERTICAL SPINDLE PUMP



Your Specialist in Process Equipment



Vertical Spindle Pump

Heavy duty vertical cantilever pump range for sump and process duties.

The vertical cantilever hard metal pumps have been developed for conventional clean up sump duties and process duties that require reduced degradation of pumped solids.

These pumps are proving their reliability and efficiency worldwide in:

- Mineral processing
- Coal preparation
- Chemical processing
- Effluent handling
- Sand and gravel
- and almost every other tank, pit, or hole-in-the ground slurry handling situation

The SP and SPR pump design with either hard metal (SP) or elastomer covered (SPR) components makes it ideal for:

- abrasive and/or corrosive slurries
- large particle sizes
- high density slurries
- continuous or "snore" operation
- heavy duties demanding cantilever shafts

Pump Features

- Robust and functional design
- Double impeller entry
- Cantilevered shaft design
- A selection of practical shaft lengths
- No submerged bearings
- Tough casing with choice of chrome alloy hard metal wet end parts or polyurethane or rubber lining

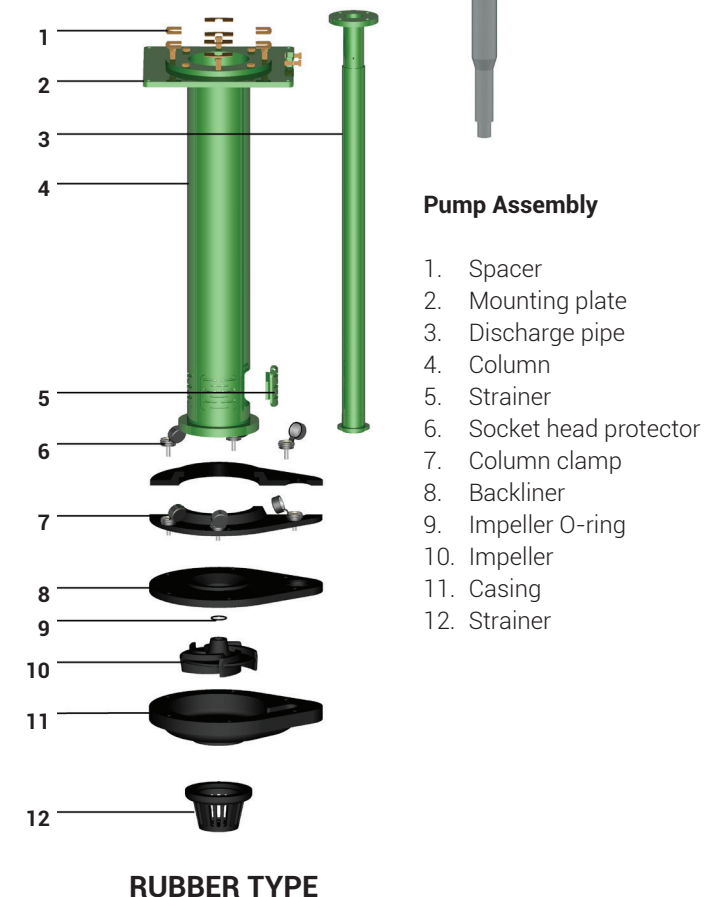
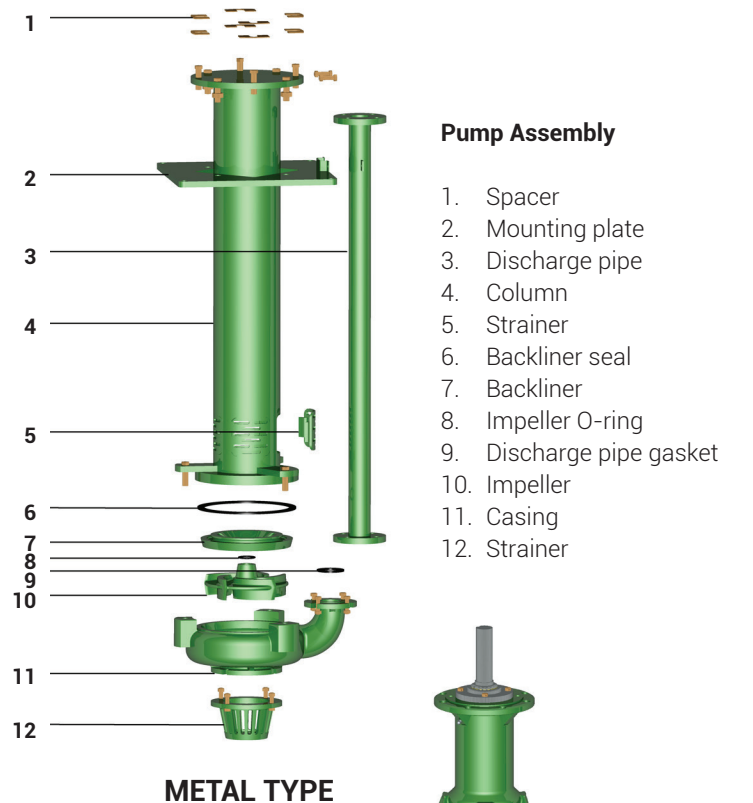
Resulting performance advantages

- Reliable continuous operation when slurry available
- No shaft deflection during loss of prime due to run back of slurry down discharge pipe
- No impeller adjustments required
- No shutdown due to clogging
- No sump level controls
- Less downtime and easy maintenance

Applications

- Mining and mineral processing
- Carbon transfer
- Industrial processing
- Heavy-duty abrasive slurries
- Power plants
- Dewatering
- Plant floor clean-up

HD-SP Pump Range



Benefits of Vertical Spindle Pump

Less wear, less corrosion

Wet end components are available in a wide range of alloys and elastomers.

No submerged bearing failures

The robust cantilever shaft avoids the need for lower submerged bearings which are often the source of premature bearing failure.

Heavy duty roller bearings, above mounting plate:

- No submerged bearings
- Labyrinth and flinger bearing protection
- Rigid, large diameter shaft

No shaft sealing problems

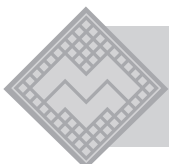
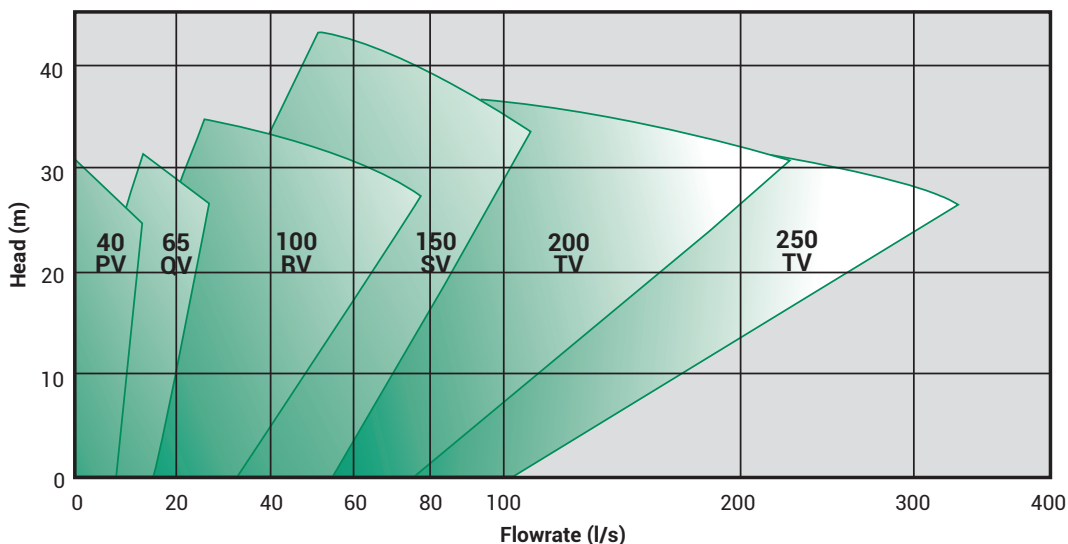
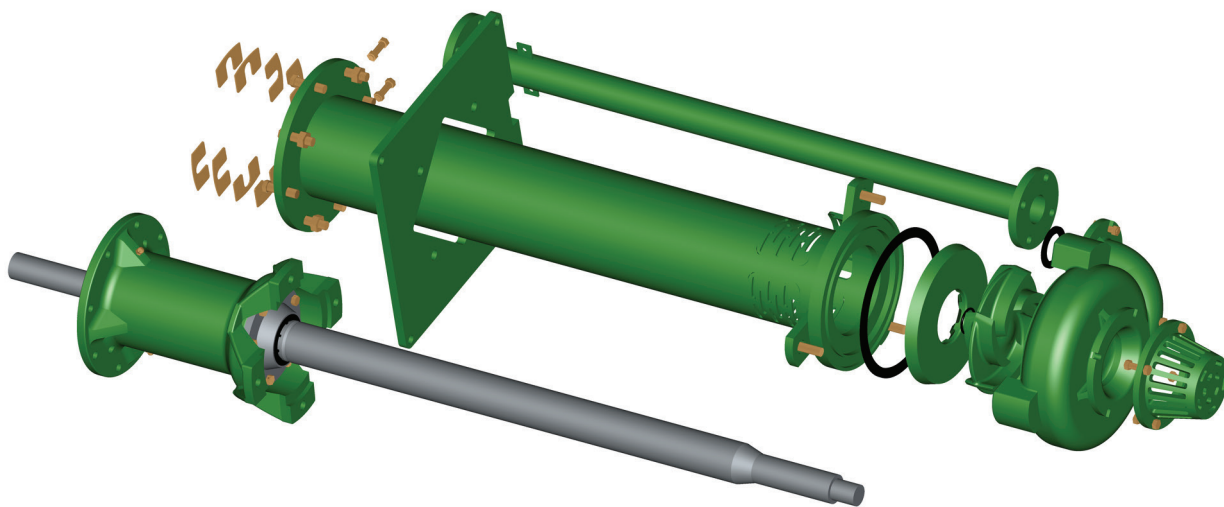
- The vertical cantilever design requires no shaft seal
- No priming required
- The top and bottom inlet design is ideally suited for "snore" conditions

Less risk of blocking

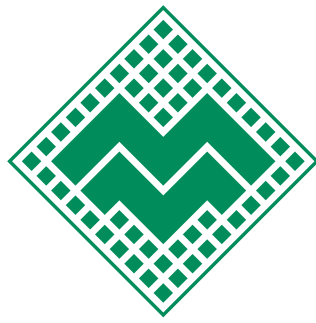
The screened inlets and large impeller passages reduce the risk of blockages.

Zero ancillary water costs

The vertical cantilever design with no gland or submerged bearings avoid the need for expensive gland or bearing flushing water.



Pumps sizes are available from 50 mm (2") to 200 mm (8"), in submerged lengths of 1.5 m (5'), 1.8 m (6') and 2.1 m (7') with heads up to 36.5 m (120').



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