

Slurry Pump Wet End Conversion Kit



Slurry Pump

Wet end conversion kit



Metso's wet end conversion kit overcomes traditional slurry pump problems such as low hydraulic efficiency, premature component failure, inconsistent performance, ineffective centrifugal seals and difficult maintenance.

The impeller design incorporates partial mixed flow main vanes, reducing inlet shock losses at the suction eye. Hydraulic turbulence and recirculation within the casing and impeller are reduced, to yield high efficiencies and longer component life.

Adjustment permits closing the impeller on both sides of the casing, with clearances that

result in vastly improved performance and longer pump life.

The large impeller diameters operate at slow speed to enhance wear life. The large diameter wear resistant expeller generates a high head and works in conjunction with expelling vanes on the back of the impeller.

This provides a very effective centrifugal seal against positive suction heads without gland leakage. Seal performance improves as running clearance is closed during impeller wear adjustment. The centrifugal seal is a high performance dry shaft seal.

Features

- Prolongs pump life significantly
- Reduces maintenance costs
- Simple two step impeller adjustment for total wear clearance without dismantling
- Maintains optimum operating efficiency
- Sizes range from 50 x 32 to 350 x 300 mm

Easy installation

Suction and discharge slurry hoses with fixed pump flange on one side and loose flange on opposite side, suitable to bolt to existing pipework.

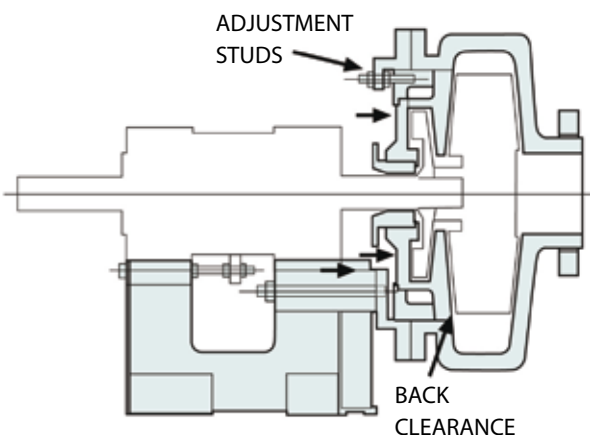
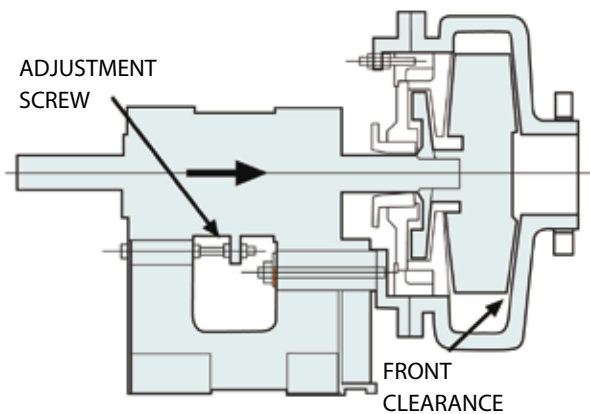
The hose supplied will be a Metso standard hose that is currently marketed globally and would be able to be cut to size on site and installed. This will be a temporary situation giving the customer an opportunity to have the existing pipe work modified when convenient. Fabricated make up pieces are also available if preferred.



Metso slurry hose

Pump	Inlet Flange	Outlet Flange
HM75	DN75	DN50
HM100	DN100	DN75
HM150	DN150	DN100
HG150	DN150	DN150
HH200	DN200	DN150
HM250	DN250	DN200
MM300	DN300	DN250
MM350	DN350	DN300

Easy adjustment



Impeller wear clearance adjustment

This simple operation shows the two step adjustment on an installed pump without disassembly.

Step 1

Adjust impeller front clearance:

Impeller front clearance is achieved by a screw on the bearing cartridge. This enables forward movement of the shaft and impeller assembly to close up the impeller-to-casing suction clearance.

Step 1

Adjust impeller back clearance:

The impeller back clearance and expeller adjustment is made by moving the shaft sealing adaptor ring assembly forward. The whole assembly can be moved in either direction by means of four conveniently positioned adjustment studs.

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