



MAFFS PUMPS  
P V T L T D



- MANUFACTURE
- SERVICES PROVIDER
- EXPORTER
- PROJECT SUPPLIER

All types of Industrial Pumps  
and all types of pumps spares  
etc.

# MSCP SERIES

## Casting

Chemical Process pump having top centerline discharge, self-venting casting, arranged for back pull-out. Fully confined gasket. Foot support under casing for maximum resistance to misalignment and distortion from pipe loads. ANSI-B-16.5 (Class 150) flanges standard, ANSI-B-16.5 (Class 300) optional for working pressure to 2550 kPa with 3 mm corrosion allowance. For Maximum Corrosion-erosion resistance casing is supplied without tapped openings but gauge and drain plug openings are provided when specified.

## Impeller

Pump Impeller matched to casting for high efficiency and low NPSH. Fully open, has partial shrouds for maximum vane support without high thrust inherent in closed impellers. Stuffing box pressure reduced and entrance of solids prevented by back pump-out vanes. Large smoothly contoured flow passages combine best slurry and solid handling ability. Impeller is locked on shaft with impeller lock-nut and are sealed by Teflon (PTFE) gasket. State of the art casting methods provide smoothest possible surfaces for highest efficiency. All impellers are statically balanced.

## Shaft

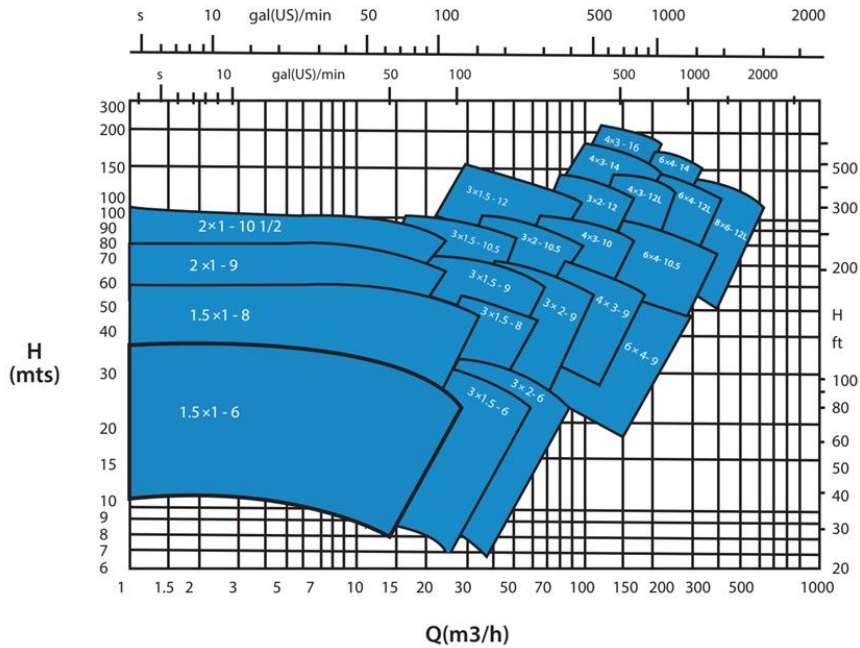
Pump having a single piece shaft is designed for 0.05 mm maximum deflection at stuffing box face. all critical surfaces ground to less than 0.8 micron.

## Stuffing Box Cover

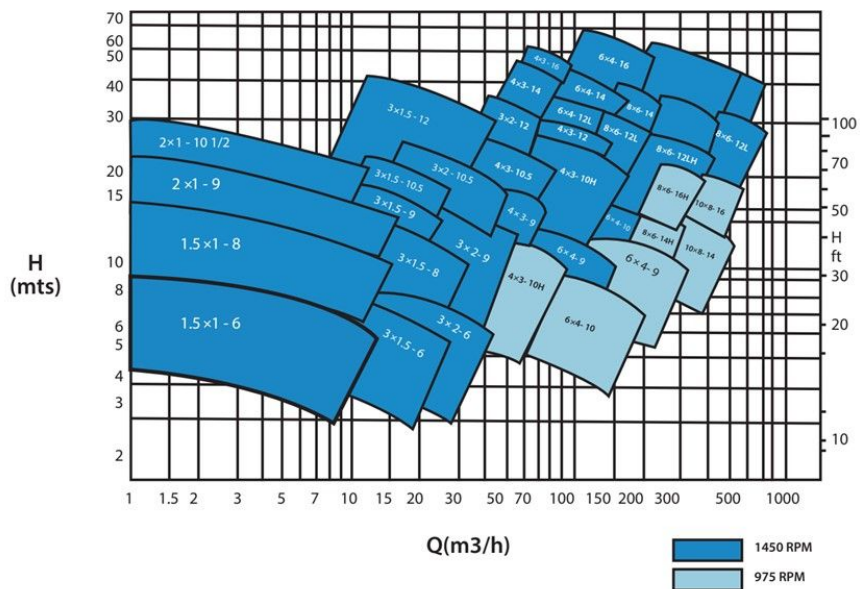
Our process are designed with encloses back of casing and contains stuffing box chamber. The Cover is fastened to frame or adopter so that a spare back pull-out assembly cab be stocked completely assembled. Cover can be supplied with jacket for cooling stuffing box chamber in high temperature servieces. Jacket can also be used for heating viscous or high freezing point liquid.

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Packed box has five rings of packing and lantern ring. Quench gland with water tapes and an auxiliary ring of packing is standard. Gland is split or easy removal. Tapped openings to lantern



## 1450 RPM





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