



## CASING

Chemical Process pumps having top centerline discharge, self-venting casing, 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 pressures 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 casing 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 and dynamically balanced

## SHAFT

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

Packed box has five rings of packing and a lantern ring. Quench gland with water tapes and an auxiliary ring of packing is standard. Gland is spilt for easy removal. Tapped openings to lantern ring permit "in" and "out" sealing, external flushing or lubrication as required. Stuffing box is completely machined for mechanical seal installation, either originally or as a field conversion. Inside, outside, unbalanced, balanced, single, double or tandem seals with any required gland, throat bushing, throttle bushing and flushing lines furnished to meet individual sealing problems. Gland completely confines stationary mating ring gasket.

