

ICN

ISO5199 - ISO2858

NORMALIZED CHEMICAL PUMP

FOR CLEAR, VISCOUS, FIBROUS AND STICKY LIQUIDS

Design:

- / Flanges PN16 - Option PN20 ANSI (150 lbs).
- / Metal-to-Metal casing seal providing the right O-Ring compression and a perfect alignment.
- / Tapered seal chamber with ribs to reduce circumferential velocities, solids and gas pockets.
- / Grooved wear ring to prevent seizing risks.
- / Closed or semi-open impellers provide high efficiency over a wide performance range while maintaining low NPSHr.
- / Wear plate is sealed by O-ring.
- / The design allows for easy installation and removal of the impeller while providing a strong reliable power transmission (double that of keyed impeller design). It is self-locking and tolerates reverse rotation.
- / Shaft sealing by mechanical seal (cartridge seal or component) and various optional sealing constructions.
- / Bearing frame has a large oil capacity to provide optimum bearing lubrication.
- / Adjustable bearing carrier allows for easy impeller clearance adjustment to the wear plate.
- / Standard shaft material is duplex stainless steel, which provides both high mechanical strength and superior corrosion resistance.
- / Standard bearing protection by Inpro or equivalent oil seals.
- / Back-to-Back angular contact bearings handle both high hydraulic axial loads and radial loads due to belt drives.
- / High radial load roller bearing.



Performances:

- / Flow : up to 6500 m³/h (28,622 US gpm)
- / Total head : up to 160 m (525 ft)
- / Maximum operating pressure : 16 bar (232 PSI)
- / Temperature operating range : up to 180 °C (356 °F)
- / Maximum speed : 3,600 rpm at 60 Hz
- / Higher capacities and heads upon request

Standard materials:

- / Standard: 26/5/2 + Cu stainless steel, FT25 cast iron
- / Other materials upon request: nodular cast iron, hastelloy, titanium, inconel,...

Industrial applications:

FOR ALL INDUSTRIES

- / Chemical
- / Petrochemical
- / Food processing
- / Desalination
- / Water treatment
- / Pulp and paper...

