NORMALIZED CHEMICAL PUMP

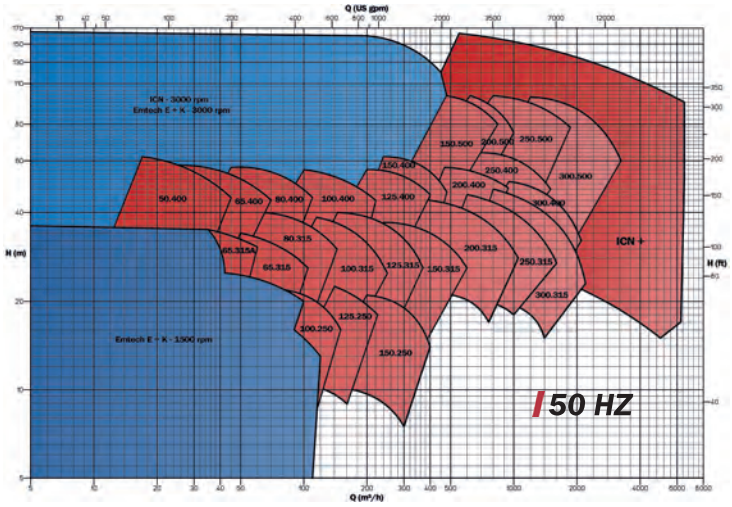
FOR CLEAR, VISCOUS, FIBROUS AND STICKY LIQUIDS

ICN

ISO 5199 - ISO 2858

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 maintening 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 flows 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...