

## STANDARDISED CHEMICAL PUMP ISO 2858/5199 NP16 WITH OPEN IMPELLER

For contaminated, toxic, corrosive liquids

### ●Construction:

- Construction comply with ISO5199, and ISO 2858
- BACK PULL-OUT design: dismantling without disturbing the piping or the motor
- Heavy duty construction
- Two rolling element bearings, oil or grease lubricated according to requirement
- Thrust bearing with Two ball bearing angular contact 7000 series
- Open impeller screwed on shaft
- Large clearance between impeller and casing for better wear resistance
- Shaft fully sleeve-protected from pumped fluid
- Standard sealing with mechanical seal in open stuffing box.
- Sealing with standard single, double or tandem-mounted mechanical seal
- Pressure in stuffing box controlled by impeller back vanes
- Excellent efficiency
- Low NPSH characteristics
- Maximum interchangeability of components.
- Most standard models available on store
- Adapter frame in 316 SS in option
- Heating or cooling jacket upon request
- Flanges NP16 Option NP20

### ●Standard materials:

- Duplex SS : A743 CD4Mcu
- Super Austenitic SS : A 743 CN7M
- Cast iron : A48 class 35B
- 30% chr. Cast iron A532 Class 3
- Other materials upon request, titanium, Hastelloy, nickel...

### ●Additional options:

- With relief impeller ("packing expeller") for hydrodynamic sealing
- Heating of casing and/or stuffing box

### ●Industries:

- Chemical industry
- Petrochemical industry
- Agro-food industry
- Steel industry
- Paper and fibres industry
- General services

### ●Performances:

- Capacity : from 2 to 200 m<sup>3</sup>/h or from 10 to 900 USgpm
- Total head : up to 105 m or 350 ft
- Maximum operating pressure : up to 20 bar or 290 PSI
- Temperature operating range : from -40 to 180°C or -40 to 356°F
- Up to 15% in weight solid content
- Maximum speed : 3,600 rpm at 60 Hz

