

## PROPELLER CIRCULATION PUMP For contaminated, corrosive liquids

### ●Construction:

- Cantilever shaft without bearing in the liquid
- Reduced maintenance
- Suitable for both corrosive and solid-contaminated liquids
- Installation on baseplate or suspended in the pipework
- Robust bearing using grease or oil lubricated rolling elements
- Stuffing box cooling available in standard
- Shaft fully protected with a removable sleeve
- Low shaft deflection for shaft seal reliability
- Shaft sealing with packing or standard single, double or tandem mechanical seal
- As an option auxiliary sealing for replacement of packing on site.
- Cast construction up to ND900, welded construction from ND 600 (in steel or stainless steel versions)

### ●Standard materials:

- Cast iron casing + steel , chromium steel or stainless steel propeller
- Austenitic SS
- Super Austenitic SS : A 743 CN7M
- Duplex SS : A743 CD4Mcu
- Other materials upon request, titanium, Hastelloy, nickel, monel...

### ●Additional options:

- Axial flow outlet
- Axial flow inlet
- Heavy duty construction for high solids content
- Special design for high pressure applications
- Vertical design

### ●Industries:

- Chemical industry
- Petrochemical industry
- Sugar industry
- Power stations (desulphuration)
- Evaporator or crystallizer circulation

### ●Performances:

- Capacity : up to 25,000 m<sup>3</sup>/h or 110,000 USgpm
- Total head : up to 8 m or 26 ft
- Maximum operating pressure : up to 10 bar or 145 PSI
- Temperature operating range : from -40 to 180°C or -40 to 356°F
- Higher operating pressure upon request

