

# NCSF

## HIGH CAPACITY STANDARDISED CHEMICAL PUMP WITH OPEN IMPELLER For contaminated, toxic, corrosive liquids

**Ensival Moret**  
A Moret Industries Company

### ● Construction:

- Construction comply with ISO5199 extension, and ISO 2858
- BACK PULL-OUT design: dismantling without moving the process pipes 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
- Solid content up to 15% in weight
- 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, or back ring on impeller
- Excellent efficiency
- Low NPSH characteristics
- Maximum interchangeability of components.
- Most standard models available on store
- Adapter frame in 316 SS or coated in option
- Heating or cooling jacket upon request
- Flanges NP16 Option NP20

### ● Standard materials:

- 18/10/2.5 \* austenitic stainless steel with impeller of 26/5/2+Cu\* duplex SS
  - 20/25/4 +Cu \* austenitic stainless steel
  - 26/5/2+Cu \* duplex stainless steel
  - 20/18/6 \* austenitic stainless steel
  - Other materials available upon request: titanium, nickel, Hastelloy, etc.
- \* The values shown are the percentages in Cr/Ni/Mo.

### ● Additional options:

- With relief impeller ("packing expeller")
- Casing with heating jacket
- Stuffing box with heating jacket

### ● Industries:

- Chemical industry
- Petrochemical industry
- Food industry
- Steel industry
- Paper and fibres industry
- General services

### ● Performances:

- Capacity : from 2 to 3,500 m<sup>3</sup>/h or from 100 to 15,000 U.S.gpm
- 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
- Maximum speed : 3,600 rpm at 60 Hz

