

CENTRIFUGAL SHEAR PUMP

Application

Stainless steel pumps are used exclusively in Dairy, Food & Beverage, Pharma & Chemical Industry for transferring Liquids, Milk, Homogenous Mediums & water.

SALIENT FEATURES

- All the parts of pumps are manufactured from highly Precise CNC Machines.
- Provided with Stainless Steel Shrod/ Motor Cover.
- Simplicity In Design & Ergonomical designed Parts
- Low Power consumption & High Efficiency
- Adaptable to all System Requirements.
- Adjustable Foot/ Legs Up to 50 mm.

- Low Vibrations & Noise.
- Minimum Cavitation I Pumping.
- Easy To Dismantle & Sterilization
- High Strength for robust handling
- Easy & Least Maintenance
- Hygienic Smooth Running
- Long Service Intervals
- High Strength Impellers.



TECHNICAL INFO

- Connections: RPM - 2800/1400
- Impeller dia: 80 to 185 mm
- Maximum Head: 50 MWC (5 Bar)
- Maximum Temp: 140° C
- MOC: SS 304/316
- Gasket: Nitrile/ Silicon/EPDM & Optional
- Motor: Foot cum Flange Motor.
- Power Source: Three Phase or Single Phase
- Casing: Single Piece With Uniform Wall Thickness
- Back Plate: SS 304/316 Heavy Duty stainless Steel Plate
- Seal: Single Shaft Mechanical Seal.
- SMS union Connection Weldable & Expandable Type Varying According To the Type And Power of Pump.Connections can be altered according to the consumers requirement.
- Impeller - Dynamically Designed Highly Precise Impellers for optimum Centrifugal Force. Pumps Above 3 Horse power are provided with Closed Type Double Plate Impeller Ensuring proper centrifugal force as well as suction of Product.
- Externally Mounted Design with rotating Carbon seat and stationary(TC, ST, 316 Stainless steel) Viton v/s Viton or TC v/s Tc Seals Are optional)

PUMP CAPACITY TABLES

| HP | HEAD | DISCHARGE | AMPS |
|-----|--------|-----------|------|
| 0.5 | 2 MWC | 7000 lph | 0.5 |
| 0.5 | 4 MWC | 5000 lph | 0.45 |
| 0.5 | 6MWC | 4000 lph | 0.3 |
| 1 | 8 MWC | 14000 lph | 1.3 |
| 1 | 10 MWC | 10000 lph | 1.2 |
| 1 | 12 MWC | 8000 lph | 1 |
| 1.5 | 8 MWC | 14000 lph | 1.4 |
| 1.5 | 10 MWC | 12000 lph | 1.2 |
| 1.5 | 16 MWC | 4000 lph | 0.9 |

| HP | HEAD | DISCHARGE | AMPS |
|-----|--------|-----------|------|
| 2 | 12MWC | 20000 lph | 2.56 |
| 2 | 16 MWC | 15000 lph | 2.6 |
| 2 | 20 MWC | 8000 lph | 1.6 |
| 3 | 16 MWC | 24000 lph | 3.6 |
| 3 | 20 MWC | 16000 lph | 3 |
| 3 | 28 MWC | 7500 lph | 2.5 |
| 5 | 20 MWC | 30000 lph | 6.4 |
| 5 | 28 MWC | 20000 lph | 5.8 |
| 5 | 30 MWC | 10500 lph | 4.6 |
| 7.5 | 25 MWC | 38000 lph | 9.6 |
| 7.5 | 30MWC | 32000 lph | 8.7 |
| 7.5 | 40 MWC | 16600 lph | 7 |

