

ASTRA Series

Dry motor submersible non-clog wet pit pumps for raw sewage and effluents containing solids



Product Description:

ASTRA series dry motor submersible pumps are designed as per KISHOR design standard. These heavy duty pumps are specially designed for transfer duty applications, having high efficiency and cost-effective for pumping raw sewage and wastewater without clogging with solid size beginning from 100 mm. These pumps can be also used for pumping sludge and clean water. Wide material options and choice of mounting arrangement are available for these pumps. The modular design offers maximum interchangeability of the parts.

Applications:

- Raw sewage
- Screened sewage
- Drainage water
- Waste water
- Effluents with solids
- Municipal effluents
- Tannery effluents
- Seepage water
- Sludge containing solids

Industries:

- Public health
- Municipal corporations
- Residential townships
- Hospitals
- Hotels
- Dairies
- Hospitals

Performance Parameters:

Flow	: upto 6,000 m ³ /hr
Head	: upto 85 m.l.c
Specific gravity	: upto 1.1
Temperature	: upto 45 °C
Viscosity	: upto 20 cP
DN sizes	: 100 to 600 mm
Solid passage size	: upto 100 mm

Standard Features:

- Centrifugal, single stage pump with bottom axial suction
- Non-clog impeller, having large solid passage size upto 100 mm
- Semi-open (F) & Closed type impeller
- Grease lubricated bearings
- Shaft sealing dual mechanical seal
- SubArc technology for easy installation & removal of pump
- Pedestal / Autocoupling for guide rail.
- Performance testing as per ISO 9906
- Cutting mechanism for fibrous solids
- Built in motor controls
 - Thermistor protection against winding overheating
 - Seal wear out sensor
 - Reverse rotation sensor

Versions:

- SA : Submersible, autocoupling mounted
- SS : Submersible, strainer base mounted
- SD : Submersible motor in dry pit installation

About Us:

We design & manufacture tailor-made products for pumping and mixing of corrosive, abrasive and solids laden liquids, along with suitable service support. We have one of widest spectrums of material options to suit the application based on over 5 decades of experience and expertise. At the core of product selection process, lies a deep understanding of the application and the environment in which the pump is supposed to operate, ensuring optimal selection to suit the requirement.

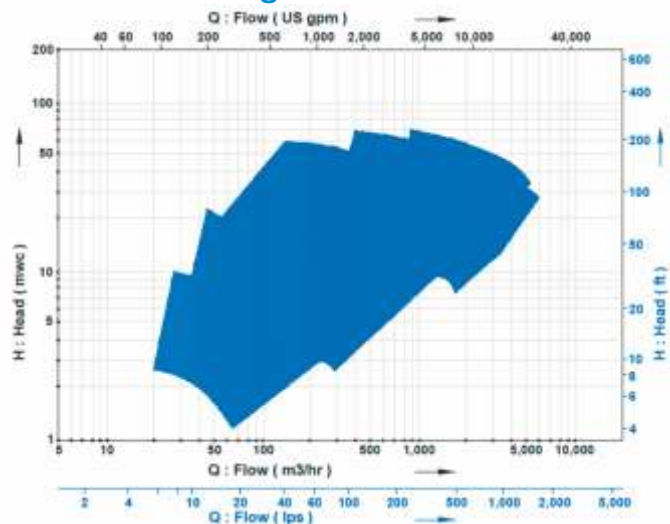
Material of Construction:

Casing	: CI, NiCl, Ni-resist, CF8, CF8M, Duplex St. steel, etc.
Impeller	: CI, NiCl, Ni-resist, CF8, CF8M, Duplex St. steel etc. ceramic coated impeller.
Shaft	: SS 410, SS316, UNS 32760, etc.

Pressure Ratings :

Suction pressure	: upto 2 kg/cm ²
Discharge pressure	: upto 10 kg/cm ²
Test pressure	: 13 kg/cm ²

Performance Range:



Optional Features:

- Semi open (B) impeller
- Variety of wear rings for semi open (B) impeller
- Option of strainer base mounting
- Adaptability for double guiderail system
- Rubber insulated submersible copper cable
- Motor jacket for low liquid levels
- Class H insulation
- Bearing temperature sensor on request
- Moisture sensor for leakage in stator housing on
- Dry pit installation



KISHOR PUMPS PVT. LTD.

HEAD OFFICE

Add.: A-13/H, M.I.D.C., Pimpri, Pune - 411018, INDIA.

Tel.: +91 (0) 20 27473570 | 27470616 | Fax: +91 (0) 20 27470570

GSTIN: 27AABCK0619B1Z4 | Email: info@kishorpumps.com

Manufacturing Plants: Pune - (Pimpri | Chakan) | Satara | Palus | Kolhapur

Regional Offices: Delhi | Vadodara | Mumbai | Chennai | Hyderabad | Kolkata