

## DELTA Series

Dry motor submersible non-clog wet pit pumps for effluents and wastewater, containing small solids



### Product Description:

DELTA series dry motor submersible pumps are designed as per KISHOR design standard. These pumps are specially designed for transfer duty applications, having high efficiency and cost-effective for pumping effluents and wastewater with small solids upto 25 mm, without clogging. Wide material options and choice of mounting arrangement are available for these pumps. These pumps can be also used for pumping clear liquids. The modular design offers maximum interchangeability of the parts.

### Applications:

- Drainage water
- Turbid water
- Muddy water
- Dirty water
- Rain water
- Cooling water
- Waste water
- Seepage water
- Effluents with solids
- Sludge containing solids

### Industries:

- Residential townships
- Hospitals
- Paint industry
- Hotels
- Mining
- Steel plants
- Power stations
- Textiles
- Dairies
- Building and construction

### Performance Parameters:

Flow	: upto 225 m <sup>3</sup> /hr
Head	: upto 100 m.l.c
Specific gravity	: upto 1.1
Temperature	: upto 45 °C
Viscosity	: upto 20 cP
DN sizes	: 25 to 80 mm
Solid passage size	: upto 25 mm

### Standard Features:

- Centrifugal, single stage pump with bottom axial suction
- Non-clog impeller, having wide solid passage upto 25 mm
- Semi-open (B) & Closed type impeller
- Grease lubricated bearings
- Pedestal / Autocoupling for guide rail.
- Shaft sealing by dual mechanical seal
- Performance testing as per ISO 9906
- 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.

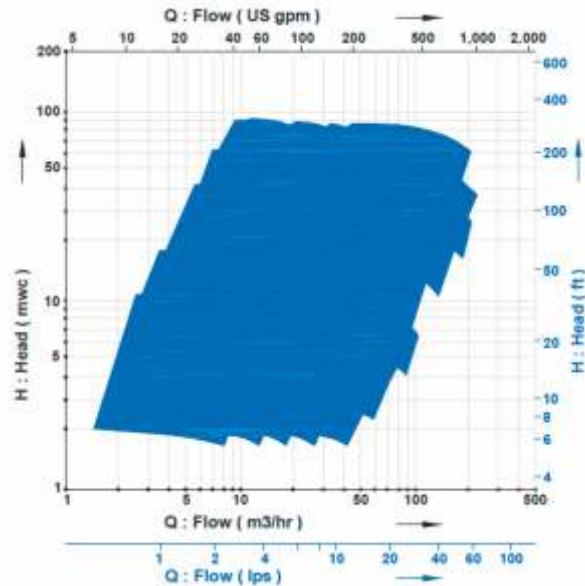
### Material of Construction:

Casing	: CI, CF8, CF8M, Duplex St. steel, etc
Impeller	: CI, CF8, CF8M, Duplex St. steel, etc
Shaft	: SS 410, SS 316, UNS 32760, etc

### Pressure Ratings :

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

### Performance Range:



### Optional Features:

- 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 request
- Dry pit installation

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**pumps**  
*Designed for processes, Made for people.*

**KISHOR PUMPS PVT. LTD.**

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