

## C Series

Dry motor submersible non-clog wet pit pumps  
for medium size solid handling



### Product Description:

C 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. These pumps are cost-effective for pumping liquids containing solids in suspension upto 50 mm in size, sludge and wastewater without clogging. The most common applications include Return Activated Sludge (RAS), Surplus Activated Sludge (SAS) & Waste Activated Sludge (WAS) in sewage treatment

### Applications:

- Breweries
- Dairies
- Industrial effluents
- Effluents with solids
- Building & Construction
- Foodstuff & Beverages
- Hospitals
- Paper & Pulp
- Textiles

### Industries:

- Power stations
- Paper & pulp
- Paint industries
- Hotels
- Industrial effluents treatment plant
- Steel plants
- Textile plants
- Steel plants
- Mines

### Performance Parameters:

Flow	: upto 450 m <sup>3</sup> /hr
Head	: upto 90 m.l.c
Specific gravity	: upto 1.1
Temperature	: upto 45 °C
Viscosity	: upto 20 cP
DN sizes	: 50 to 125 mm
Solid passage size	: upto 50 mm

### Standard Features:

- Centrifugal, single stage pump with bottom axial suction
- Non-clog impeller, having wide solid passage upto 50 mm
- Semi-open (B) & Closed type impeller
- Grease lubricated bearings
- Shaft sealing by dual mechanical seal
- Pedestal / Autocoupling for guide rail.
- Built in motor controls
  - Thermistor protection against winding overheating
  - Seal wear out sensor
  - Reverse rotation sensor
- Performance testing as per ISO 9906

### 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.

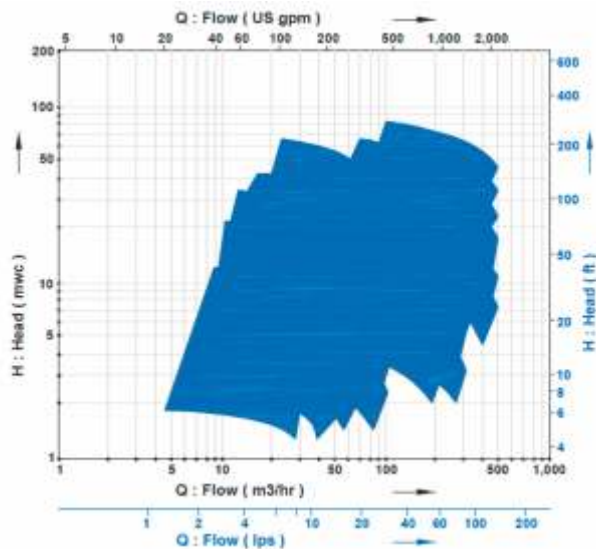
### Material of Construction:

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
- 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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