

## DELTA Series

Horizontal end suction back pull-out non-clog pumps for chemicals, effluents and wastewater containing small solids



### Product Description:

DELTA Series horizontal back pull out pumps are designed to handle liquids with solids. Typically used for primary and secondary treated sewage, the pumps offer high reliability against clogging and possibility to clean objects stuck inside the pump easily. The pumps can handle liquids with solids starting from 25 mm in size. The most common applications include dewatering applications in water treatment, wastewater treatment & industrial effluents.

### Applications:

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

### Industries:

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

### Performance Parameters:

Flow	: upto 225 m <sup>3</sup> /hr
Head	: upto 100 m.l.c
Specific gravity	: upto 1.1
Temperature	: upto 90 °C
Viscosity	: upto 20 cP
DN sizes	: 25 to 80 mm
Solid passage size	: upto 25 mm

### Standard Features:

- Centrifugal, single stage, end suction, top discharge pump
- Back pull-out design for easy maintenance
- Non clog impeller, having wide solid passage upto 25 mm
- Semi open (B) impeller
- Heavy duty bearings for drive assembly
- Grease lubricated bearings
- Shaft sealing by single mechanical seal, for clean environment
- XSpan Technology mitigating the effect of undesirable hydraulic forces on shaft bearings & mechanical seal in HI & HE versions
- Performance testing as per ISO 9906
- Integral suction flange as per KISHOR design

### Versions:

- HI : Pump with internal mechanical seal
- HE : Pump with external mechanical seal
- HD : Pump with double mechanical seal
- HG : Pump with gland packing

### 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.

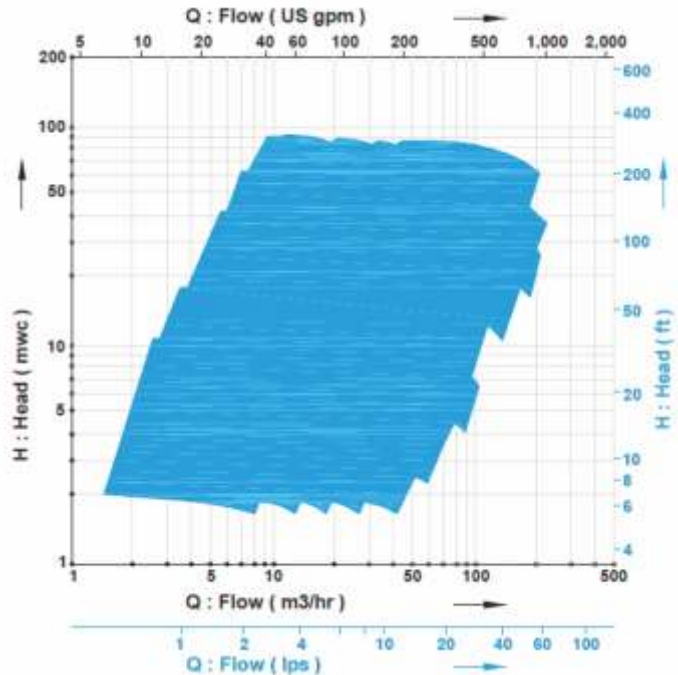
### Material of Construction:

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
- Oil lubrication for bearings
- Shaft sealing by gland packing

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

**KISHOR PUMPS PVT. LTD.**

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