



A PRODUCT OF SUBSTANCE

# CENTRIFUGAL PUMPS FOR INDUSTRIAL APPLICATIONS

Designed and Manufactured by

## **ENTITY** **HYDRODYNAMICS**



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## HORIZONTAL FLANGE MOUNTED SELF ALIGNED PUMPS ■ Type : CHEMY



**Range :**

Delivery Size	: Upto 40 mm	Rate of Flow	: Upto 40 m <sup>3</sup> /h
Head	: Upto 40 m	Temperature	: Upto 180° C
Working Pressure	: Upto 16 kg/cm <sup>2</sup>		

**Salient Features :**

- Self Alignment Technique
- Smaller Foundation
- Keyed Impeller
- Cooling Jacket for Stuffing Box for Higher Temperatures
- Can be provided with Mechanical Seal

**Material of Construction :**

Cast Iron / Stainless Steel (304/316), Other Materials on Request

## HORIZONTAL BACK PULLOUT PUMPS ■ Type : PCB

**Range :**

Delivery Size	: Upto 40 mm	Rate of Flow	: Upto 40 m <sup>3</sup> /h
Head	: Upto 40 m	Temperature	: Upto 180° C
Working Pressure	: Upto 16 kg/cm <sup>2</sup>		

**Salient Features :**

- Cost Effective Design
- Keyed Impeller
- Back Pullout Pump for Easy Maintenance
- Cooling Jacket for Stuffing Box for Higher Temperatures
- Can be provided with Mechanical Seal

**Material of Construction :**

Cast Iron / Stainless Steel (304/316), Other Materials on Request



## HORIZONTAL BACK PULLOUT PUMPS (as per ISO 2858) ■ Type : PHB



**Range :**

Delivery Size	: Upto 125 mm	Rate of Flow	: Upto 300 m <sup>3</sup> /h
Head	: Upto 150 m	Temperature	: Upto 180° C
Working Pressure	: Upto 25 kg/cm <sup>2</sup>		

**Salient Features :**

- Heavy Duty Design
- Back Pullout Pump for Easy Maintenance
- Cooling Jacket for Stuffing Box for Higher Temperatures
- Can be provided with Mechanical Seal

**Material of Construction :**

Cast Iron / Stainless Steel (304/316), Other Materials on Request

## HORIZONTAL SELF PRIMING PUMPS ■ Type : ESP

**Range :**

Delivery Size	: Upto 50 mm	Rate of Flow	: Upto 40 m <sup>3</sup> /h
Head	: Upto 40 m	Temperature	: Ambient
Working Pressure	: Upto 10 Kg/cm <sup>2</sup>		

**Salient Features :**

- Back Pullout Design
- Best Suited for Chemical Applications
- Perfect Self Priming Action with Maximum Suction Lift of 8 m for Water under Standard Working Condition
- Can be provided with Mechanical Seal

**Material of Construction :**

Cast Iron / Stainless Steel (304/316), Other Materials on Request



## HORIZONTAL MULTISTAGE PUMPS

Type : MCH/MCD



**Range :**

Delivery Size	: Upto 50 mm	Rate of Flow	: Upto 60 m <sup>3</sup> /h
Head	: Upto 300 m	Temperature	: Upto 120° C
Working Pressure	: Upto 40 kg/cm <sup>2</sup>		

**Salient Features :**

- Horizontal Multistage Design
- Higher Efficiencies Compared to Single Stage Pumps
- Cooling Jacket for Stuffing Box for Higher Temperatures
- Can handle Contaminated Liquids Containing Small Solids
- Can be provided with Mechanical Seal

**Material of Construction :**

Cast Iron / Stainless Steel (304/316), Other Materials on Request

## VERTICAL SUBMERGED MULTISTAGE PUMPS

Type : MVS/MVD

**Range :**

Delivery Size	: Upto 50 mm	Rate of Flow	: Upto 60 m <sup>3</sup> /h
Head	: Upto 300 m	Temperature	: Upto 90° C
Working Pressure	: Upto 30 Kg/cm <sup>2</sup>		

**Salient Features :**

- Vertical Multistage Design
- Higher Efficiencies Compared to Single Stage Pumps
- Can handle Contaminated Liquids Containing Small Solids

**Material of Construction :**

Cast Iron / Stainless Steel (304/316), Other Materials on Request



## VERTICAL SUBMERGED COOLENT PUMPS

Type : CP



**Range :**

Delivery Size	: Upto 50 mm	Rate of Flow	: Upto 50 m <sup>3</sup> /h
Head	: Upto 320 m	Temperature	: Upto 90° C
Working Pressure	: Upto 36 kg/cm <sup>2</sup>		

**Salient Features :**

- Compact Design (Single Stage / Multistage)
- Smaller Mounting
- Double Bearing Design (Optional)
- Replaceable Flange Mounted Motor (Optional)

**Material of Construction :**

Cast Iron , Other Materials on Request

## HORIZONTAL NON METALIC PUMPS

Type : PP

**Range :**

Delivery Size	: Upto 50 mm	Rate of Flow	: Upto 40 m <sup>3</sup> /h
Head	: Upto 25 m	Temperature	: Upto 80° C
Working Pressure	: Upto 6 Kg/cm <sup>2</sup>		

**Salient Features :**

- Best for Highly Corrosive Liquids
- Smaller Foundation
- Keyed Impeller to Prevent Loosening
- Provided with Mechanical Seal

**Material of Construction :**

Polypropylene / PVDF



## VERTICAL SUBMERGED PUMPS

Type : PVS/ NVS



### Range :

Delivery Size	: Upto 125 mm	Rate of Flow	: Upto 300 m <sup>3</sup> /h
Head	: Upto 60 m	Temperature	: Upto 90° C
Working Pressure	: Upto 16 kg/cm <sup>2</sup>		

### Salient Features :

- Available in Glandless and Gland Packed Design
- Heavy Duty Bearings
- Steam Jacketted Version can be Offered
- Can be provided in Cantilever Design

### Material of Construction :

Cast Iron / Stainless Steel (304/316),  
Other Materials on Request

We also manufacture  
Solid Handling Pumps used for pumping sewage, effluent, slurry, etc.  
Barrel Pumps for downloading liquids from barrels.

## COMPANY PROFILE

**Entity Hydrodynamics** is established in 1996. The company is headed by Mr. G. S. Kulkarni, who has more than 40 years of vast experience in the Pump Manufacturing Industry.

### Manufacturing Facility :

**Entity** has full fledged setup of manufacturing facility at Pune. It is equipped with all the necessary equipments for machining and assembling of it's products. It has employed qualified engineers for the design and manufacturing of it's products.

### Quality Control :

**Entity** has full setup of testing facility for the performance testing of the Pumps. The quality of materials used is ensured by checking the chemical and physical properties of the materials. The dimensional accuracy of the components is ensured by the use of calibrated instruments and gauges. Each pump is tested for it's parameters such as rate of flow, head and power before it is cleared for despatch.

### Works :

### **Entity Hydrodynamics**

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### Represented By