



Since 1991

# **FLOTECH** **PUMPS**

Innovation & Excellence





# INFRASTRUCTURE



# FLOTECH NETWORK



## COMPANY PROFILE

FLOTECh ENGINEERING PVT LTD is a leading manufacturer company in Pump industry. It has grown as the one of the most established company in India. We are providing world class pumping solution which is technically most advanced, excellent energy efficient and enduring durable.

Established in 1991, FLOTECh ENGINEERING PVT. LTD., having a latest plant in 12000 square meters land with 100,000 sq. feet buildup area, latest production and modern inspection technology. Organization has also a testing laboratory as per ISI requirement and Highly qualified and experienced engineering professionals who are involved in manufacturing high quality submersible pump sets promote the company.

The company certified with ISO 9001-2008, manufacturing nearly 1500 models with in house most advanced, highly erudite manufacturing unit having capacity of 100,000 units annually with more than 300 dedicated manpower. We have our distribution and supply network in entire India & 11 countries of the world.

We are inventor of 16 metre and 18 metre head in V6 pumps in India. We claim ours is the best price leader and most competitive in all the performance parameters in submersible pump segments.

## FLOTECh CORE STRENGTH

- Technically qualified and experienced team.
- 25 Years experience in pumps manufacturing.
- More than 1500 model to meet actual customer demand.
- Continuous focus and investment in equipment, manpower and Time for R & D.
- Modern factory with 100,000 sq.ft. build up area.
- Intensive monitoring and control on manufacturing and testing process.
- Well-equipped testing facility with wide range of testing equipment, tools, instruments characteristics & parameters tests.
- Continuous skill enhancement and improvement through trainings of the manpower associated.
- Having more than 1000 dealership in india and 11 countries in the world.



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# 4" Stainless Steel Submersible Pump Set

Max. Dia. 98 mm. Suitable in 100 mm Bore well (Radial Flow)

## Salient Features

- Pumps are made out of stainless steel sheet metal, resulting in low friction loss, high overall efficiency & low operating cost
- Lighter in weight and provide greater wear resistance due to stainless steel technology
- Mounting parameters and spline coupling are as per international NEMA standard
- All pumps are equipped with reliable stainless steel non-return valve (NRV) to reduce water hammer
- Best suitable for hygienic drinking water application as well in sand, other abrasives and sea (Salty) water application
- It is able to run in low voltage without compromising in performance
- All pump set are tested prior to dispatch
- Heavy duty German thrust bearing is used
- Customized models is available on request



## Technical Specification

|   |   |
|---|---|
| <b>Power Range</b>                                  | 0.5 H.P. (0.37 kw) to 7.5 H.P. (5.6 kw)                       |
| <b>Maximum Head</b>                                 | Upto 400 Metre  |
| <b>Maximum Discharge</b>                            | 200 LPM / 12 m <sup>3</sup> /h                                |
| <b>Max. Head / Stage</b>                            | 7 Metre   |
| <b>Operating Voltage Range</b>                      | 160 to 240 Volt Single Phase<br>300 to 440 Volt Three Phase   |
| <b>Max. Start/Hour</b>                              | 12  |
| <b>Max. Temp. of Liquid</b>                         | 50° C   |
| <b>Max. Permissible Amount of Sand in the Water</b> | 30 Grams/Cubic Metre  |
| <b>Rated Volts / Frequency</b>                      | 220 Volt / 50 Hz Single Phase<br>415 Volt / 50 Hz Three Phase |

## Material of Construction

|  |   |
|--|---|
| <b>Motor &amp; Pump Body</b>             | Non-Magnetic Stainless Steel                  |
| <b>Motor &amp; Pump Shaft</b>            | Stainless Steel                               |
| <b>Stator</b>                            | CRNO M-45 with Epoxy coating                  |
| <b>Rotor</b>                             | EC Grade Copper with Hard Chrome Coating      |
| <b>Winding</b>                           | Polyester insulated EC Grade Copper           |
| <b>Thrust Bearing</b>                    | Carbon v/s Self Align Stainless Steel Segment |
| <b>Journal Bearing</b>                   | LTB-4 & Nitrile Rubber / Carbon               |
| <b>Mechanical Seal</b>                   | Carbon Ceramic                                |
| <b>Fastners</b>                          | Stainless Steel                               |
| <b>Housing / Connection Plate / Base</b> | S.S. - 304                                    |
| <b>Bowl</b>                              | S.S. - 304                                    |
| <b>Impeller</b>                          | S.S. - 304                                    |
| <b>Suction &amp; NRV</b>                 | S.S. - 304                                    |

## Application

A combination of multistage centrifugal pump and submersible motor, is designed for applications like :

- Agriculture
- Sandy & Sea (Salty) Water Supply
- Domestic & Industrial Water Supply
- Sprinkler & Drip Irrigation
- Fire Fighting Application
- Water Treatment Plant



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## **FLOTECH ENGINEERING PVT. LTD.**

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