

## PRESSURE BOOSTER

**PRESSURE BOOSTER PUMPS**  
**50 Hz, 220V**



Farming



Domestic



Gardening



Industrial



Mfg.by : OPI PUMPS

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## 01.DESCRPTION :

Introducing our 0.5 HP - 1.5 HP , Pressure Booster Pump with the power of 0.37 Kw to 1.1 Kw. Achieve flows up to 6.0 m<sup>3</sup> / hr with Maximum pressure of 5 bar. Perfect for Residential & Commercial Buildings, Industrial Heating/Washing Process. Reliable across 160V - 240V. Efficient

## 02. SALIENT FEATURES:

- **High Discharge :**  
High Operating efficiencies of pumpset result into high water discharge rate and lower power bills, Guarantees maximum water output for each cycle.
- **No Problem with suction or priming :**  
Easy to use without requiring constant attention.
- **Thermal Overload Protector(TOP) :**  
The motor is fitted with the TOP(Thermal Overload Protector)
- **Satinless Steel Components :**  
Impeller and diffuser is designed for durability and corrosion resistance.
- **Pressure Tank :**  
Pressure Tank Range From 24 Ltrs to 60 Ltrs
- **Pressure Switch :**  
Danfoss Pressure Switch is used to regulate the pressure.
- **Head Per Stage :**  
we can get 10 Meter Head per stage.
- **Rigid Construction :**  
Built to withstand challenging operational conditions.
- **Low noise operations :**  
Provides a quiet and disturbance-free environment.
- **Consistent water flow :**  
Steady and uniform water supply guaranteed.
- **Vibration free operation:**  
All rotating components are dynamically balanced to ensure long bearing life and vibration free smooth operations.
- **Testing process :** All pumpsets are fully tested and prior to despatch.



# PRESSURE BOOSTER PUMPS - SINGLE PHASE



## 03. TECHNICAL SPECIFICATION :

### SPECIFICATION :

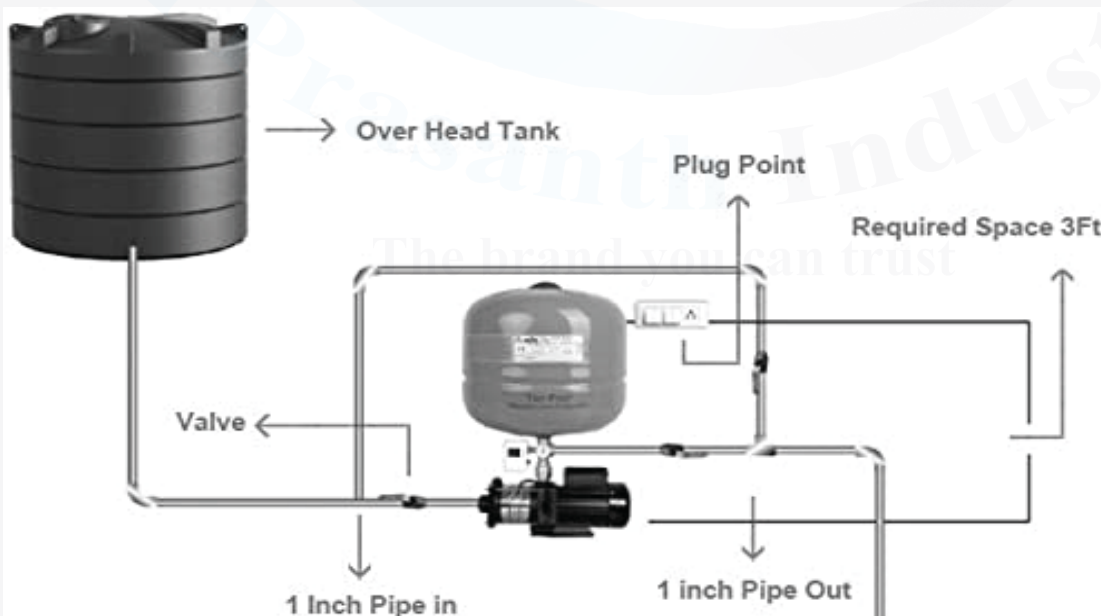
- **Power Range** : 0.37 kW to 1.1 kW (0.5 HP - 1.5 HP)
- **Supply Type** : Single Phase ( 50Hz, AC Supply)
- **Voltage Range** : 160 V - 240 V
- **Head** : Upto 40 Mtr
- **Flow** : Upto 6.0 m<sup>3</sup> / hr
- **Liquid / Max Temp** : Clear Water / 33° C ,
- **Type of Duty** : S1 (Continuous)
- **Insulation** : Cat - B, 99.9% Pure Copper
- **Metod of Starting** : 1 ph- Capacitor Start Capacitor Run (CSCR).



## 04. MATERIAL OF CONSTRUCTION:

MATERIAL OF CONSTRUCTION	
PART	MATERIAL
IMPELLER	STAINLESS STEEL SS304
DIFFUSER	STAINLESS STEEL SS304
STATOR	CRNO / LC - STAMPING
MOTOR BODY	SLEEK ALUMINIUM
IMPELLER FOR SINGLE SHOWER PUMPS	BRASS FORGED
SHAFT	SS SHAFT
NON RETURN VALVE	BRASS FORGED

## 05. SCHEMATIC DIAGRAM:





## 06. APPLICATIONS :



## 07. BENEFITS:

- Residential water needs, daily household requirement.
- Water circulating systems, fountains, lawns and gardens.
- Best for Shower heads, jacuzzi, Multi storied Building.
- Lifting water from sump to overhead tanks for domestic, individual houses and appartments.
- Suitable for appartments and multi-storied building.
- Landscape irrigation and decorative water features.

## 08. TESTING CONDITIONS :

- All performance data is derived from measurements made at standard voltage conditions using a 50 Hz motor operating at a constant speed of 2880 rpm. Performance will change on low voltage.
- All measurements are done using gas - free water and temperature of water is 24 ° C .

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