

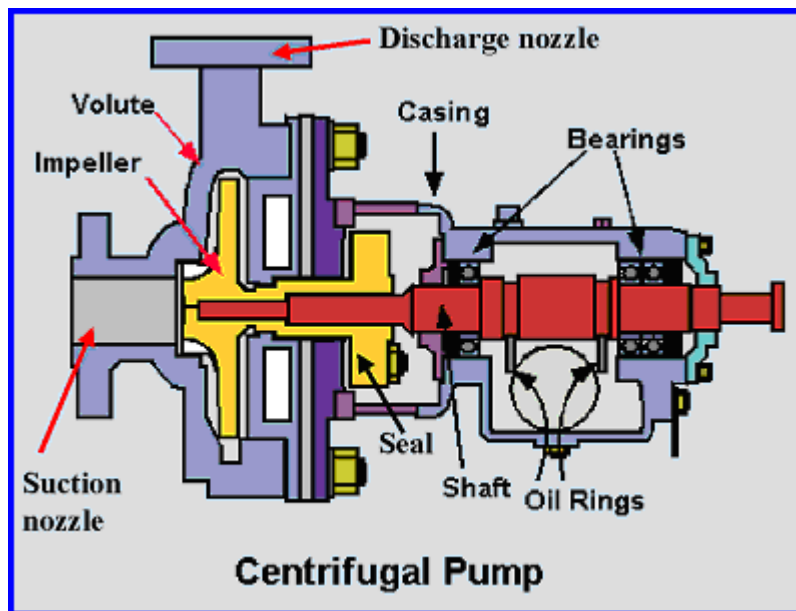
### **Horizontal Centrifugal Pumps:**

We offer horizontal single stage centrifugal pumps (with back pull out), Capable of handling clean & slightly contaminated water for irrigation purpose.

The complete pump, barring the volute casing can be withdrawn towards the motor end without disturbing the suction or delivery pipeline, because of top centre line discharge with end suction, self venting casing arranged for 'back pullout'. This ensures maximum resistance to misalignment and distortion from pipe loads. The pump consumes less power due to better hydraulics and higher efficiencies.

### **Applications:**

- Water supply for irrigation.
- Drinking and potable water.
- Water circulation.



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## **DETAIL OF CONSTRUCTION:**

### ***CASING***

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The well designed volute or split casing is high tensile close grained cast iron having smooth passage and ample strength to with stand maximum working pressure.

### ***IMPELLER***

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Impeller is closed simple entry type secured to shaft firmly by key and nylon nut. Water passages are well finished and impeller is dimensionally balanced.

### ***BACK PULLOUT***

Heavy Duty Cast iron back pullout allows rotating assembly to be withdrawn without disturbing the suction and delivery connections.

### ***SHAFT***

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Shaft is made of high tensile steel having ample size and ground to transmit the maximum power without vibration.

### ***STUFFING BOX***

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Sufficient room is provided for the easy re-packing of stuffing Box.

### ***BEARINGS***

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Two Heavy duty single row deep groove ball bearings.

## **Operating data:**

Available in various designs, head, pressure and discharge ratings.

|                               |                                   |
|-------------------------------|-----------------------------------|
| Suction / Discharge Diameter: | upto 4.5 INCH                     |
| Capacity:                     | upto 44 LPS (Litres Per Second)   |
| Pumping head:                 | upto 25 Meter                     |
| Suction head:                 | Max 5 Meter                       |
| Prime Mover Capacity:         | upto 5 to 10 HP (Horse Power)     |
| Revolution Per Minute:        | 1500 RPM                          |
| Maximum Working Pressure:     | 3.5 Bar                           |
| Packing:                      | Export Worthy Sealed Wooden Boxes |

## **Materials:**

The pump pressure containing parts are of cast iron material, selected to suit the working pressure of the pump, and to be compatible with the liquid being handled.

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## **Sumo International Pvt. Ltd.**

- Compact, economic, space saving construction.
- Outstanding hydraulic performance.
- High efficiency impeller.
- Closed impeller with back vanes providing axial balancing of impeller loads.
- Installation time and cost is minimum.
- Low maintenance cost.

**Advantages:**

- Good Efficiency.
- Rigid construction assures the durability of the pump.
- It is a centrifugal pump with back pull out design for easy maintenance. Without disturbing pipeline pump can be repaired.
- Long service life low operating cost minimum downtime.



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