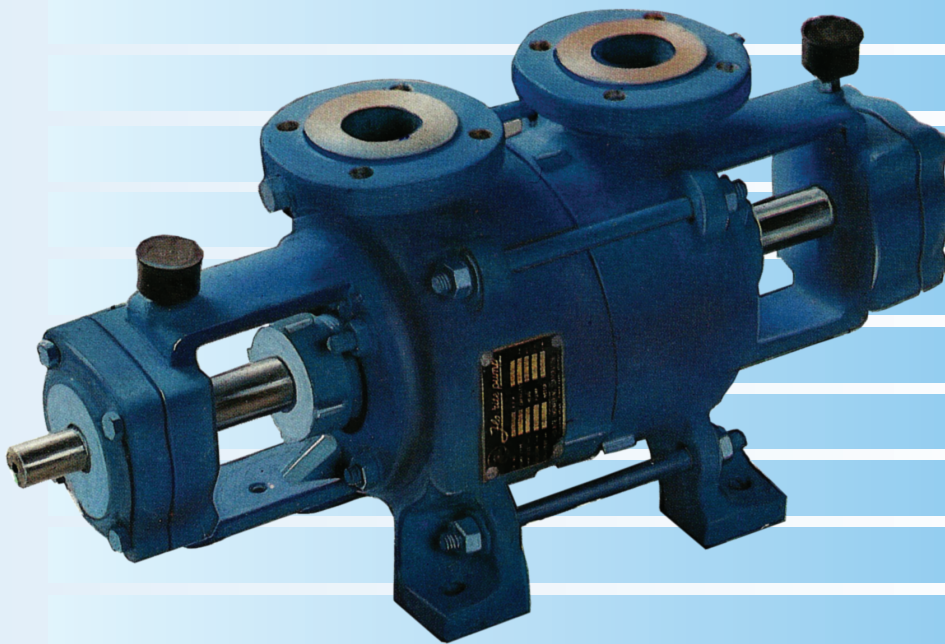




# Flo-rite

## SELF-PRIMING PUMPS MODEL SP



### APPLICATIONS

- Bilge
- Ballast
- Fire Fighting
- Water Circulation
- Refrigeration
- Barrel Unloading
- Offshore Industries
- Boiler Feed
- Hydrophore System
- Water Supply
- Chemicals
- Chemical Transfer
- Ethanol Blending
- Marine
- Sea Water Application
- Pressure Boosting
- Defence
- Hot Water Service

### TECHNICAL DATA

Size	: 25 mm to 75 mm
Capacity	: Up to 1000 LPM (60 m <sup>3</sup> /hr)
Head	: Up to 70 mts.
Material	: C.I. / C.S. / Bronze / SS-304 & 316
RPM	: 1450 (STD) / 1800 (MAX)
Suction Lift	: Max 6-8 mts.

# SELF-PRIMING PUMPS

## MATERIAL OF CONSTRUCTION :

Body	: Cast Iron / Bronze / S.S. / any other suitable material.
Impeller	: Bronze / S.S. / any other suitable material.
Shaft	: Stainless Steel
Bearing Housing	: Cast Iron

Pumps fitted with Mechanical Seals can also be offered for volatile liquids.

## DESIGN

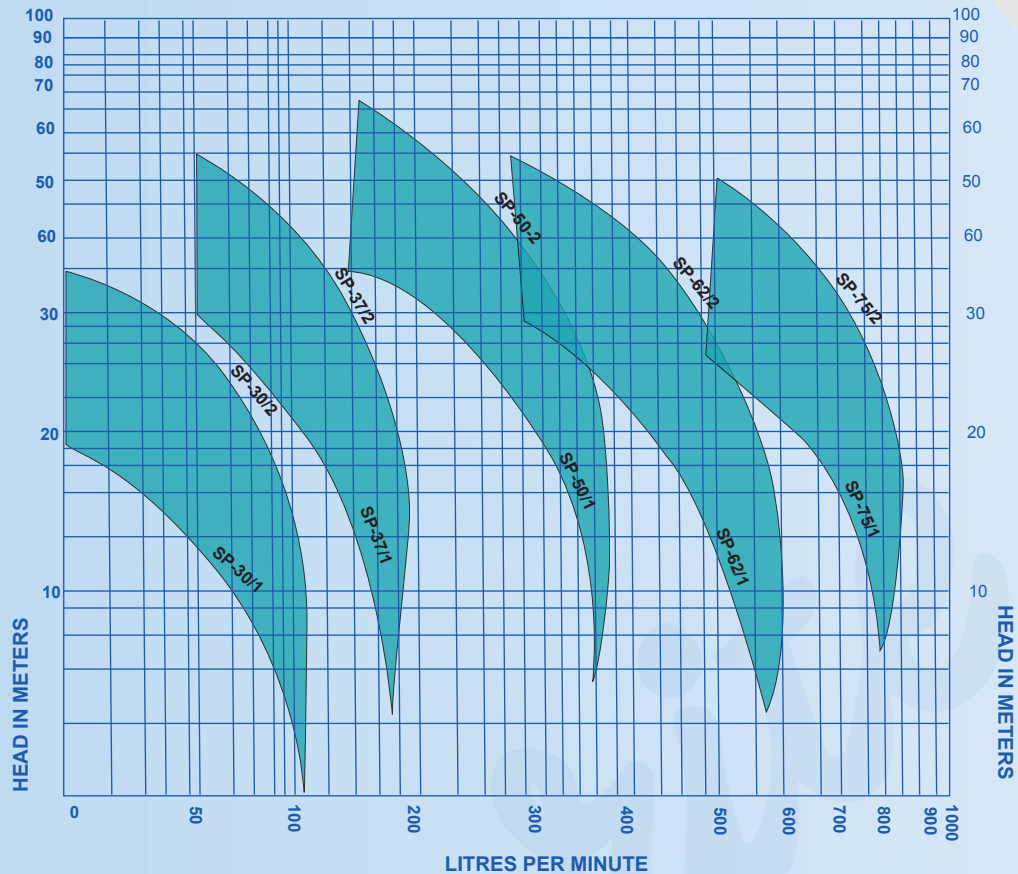
Flo-rite Self Priming pumps are designed for long and arduous duties and for minimum upkeep cost. Composed of robust and high grade material parts, these pumps do not require constant skilled supervision. Rotating parts are carefully balanced to provide smooth running and minimum bearing wear.

Flo-rite Self Priming Pumps are specially designed for Self Priming service and are provided with ball bearings on both ends, of adequate size to take the entire thrust of high pressure service, if any. The passage of the Body and the impeller vanes are hand finished to operate at better efficiency and Smooth Discharge. The direction of rotation is clockwise when seen from the driving end of the pump.

Flo-rite Self Priming Multistage Pumps are based on Centripetal principle. These pumps are fitted fixed vane type Impellers. When initially primed, the Impeller sucks the air from the suction pipeline and discharges only air into the delivery pipeline. After all the air is expelled, it discharges the liquid.

This pump does not require foot valve or priming the second time, since the design of the pump enables retention of sufficient liquid within the casing chamber to achieve priming.

## SPEED 1450 RPM



Note : The performance curves are upto are Two Stages. For Higher Heads, please refer to us.

### RANGE :

Size : 25 mm suction to 75 mm suction.

Capacity : 10 LPM to 1000 LPM.

Head : 10 mts. to 100 mts.

Stages : 1 to 6 stages.

Single or multi-stage Self Priming regenerative pumps with open impeller, designed for low capacities, medium heads, high suction lifts and volatile liquids. Require only initial priming.

AVAILABLE WITH : Mechanical Seals (on both ends)

### FEATURES:

- Horizontal, lateral channel, self-priming design for continuous operation handling clear liquid free from any suspended particle.
- Suction and Delivery branches are vertical and flanges are round. Counter flanges are provided with BSP thread.
- Grease lubricated ball bearings are provided.
- For special applications mechanical seal can be fitted.

### OUR RANGE OF PUMPS:

High Pressure Multi-Stage  
Acid Resisting Pumps  
Chemical Pumps  
Self Priming Multi-Stage Pumps  
Dry Self Priming Pumps  
Rotary Gear Pumps  
Deepwell Turbine Pumps  
Special Alloy Pumps  
Also Pumps with Mechanical Seals

### FLO-RITE ENGINEERING CORPORATION

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