



**VERTICAL MARINE PUMPS**  
**SELF-PRIMING & NON SELF-PRIMING**  
**MODEL FCV & FCV-SP**



Vertical Centrifugal pumps with directly mounted motor on heavy bracket, saving space and for easy maintenance.

**TECHNICAL DATA**

Size	: up to 200 mm suction
Capacity	: up to 400 m <sup>3</sup> /hr (6600 LPM)
Heads	: up to 60 mts.
Material	: C.I. / Bronze & steel alloys

**VERTICAL MARINE PUMPS**

**Applications:**

FCV & FCV-SP pumps are vertical pumps used as cooling pumps, firefighting pumps and general duty pumps on ships.

**Casing:**

One piece volute casing with bottom suction and horizontal discharge/inline suction and discharge nozzle. The impeller can be dismantled without disconnecting the pipeline in case of FCV pumps and in case of FCV-SP pumps the impeller can be dismantled without disconnecting the pipeline or removing the driver.

**Impeller:**

Single entry radial impeller with balance holes for axial thrust compensation.

**Self Priming Stage:**

FCV-SP pumps are self priming. A water ring or side channel self priming stage is incorporated above the impeller, according to the number of revolutions. Renewable shaft protecting sleeve in the region of the throttling bush.

**Bearing & Lubrication:**

Two grease lubricated anti-friction bearings are located in a common housing within the drive stool of FCV-SP pumps.

**Drive:**

By flanged-on electric motor through a flexible coupling.

**Note:**

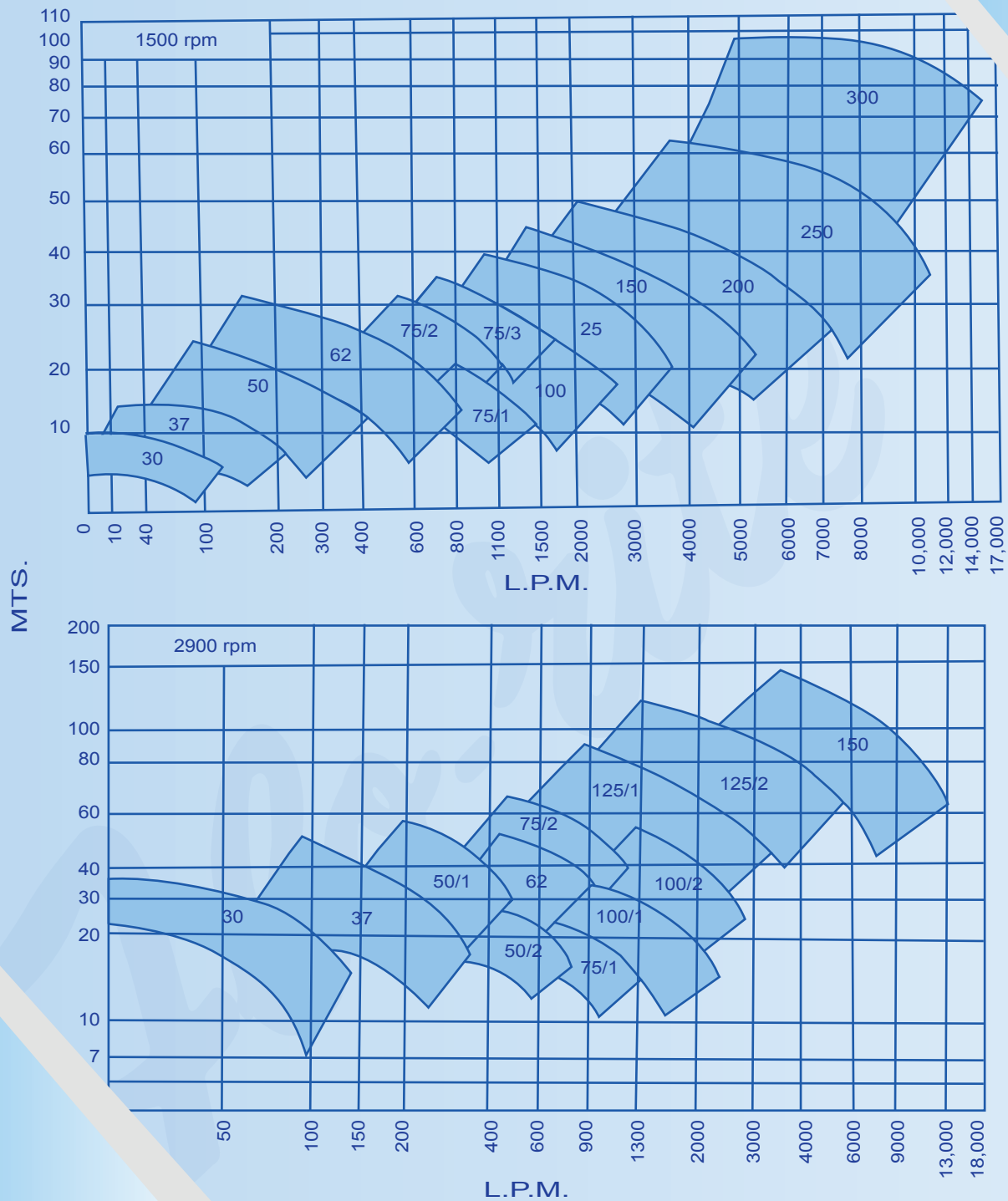
FCV pumps can also be supplied with side suction and side discharge and with drive stool or stand located on top as for FCV-SP type pumps.

**Available with :**

Mechanical Seals  
Semi-open impellers  
Interchangeability of components  
Self Priming attachment for Marine Duty applications  
Flanges as per API 610 (on request)

- Ballast
- Firefighting
- Booster Service
- General Service
- Chemicals
- Chemical Transfer
- Process Industries
- Marine
- Sea Water Application
- Petroleum
- Air Conditioning
- Defence

## PERFORMANCE CURVES:



### FLO-RITE ENGINEERING CORPORATION

Office : Gala No. 7, 1st Floor, Janata Industrial Compound,  
162, Senapati Bapat Marg, Lower Parel (W), Mumbai - 400 013.

Tel. : (+91-22) 2493 4670, 2498 5208

Fax : (+91-22) 2493 7846

Email : florite@gmail.com

Website : www.flo-ritepumps.com

Factory : Dwarka Industrial Estate, Plot No. 7A,  
Near Naik Pada, Valiv Village, Vasai (East), Maharashtra.



**Flo-rite**  
**PUMPS**