



CENTRIFUGAL SELF-PRIMING PUMPS

MODELS FCH-SP & FCH-SP-M



Horizontal Centrifugal pumps with motor on heavy baseframe, saving space and for easy maintenance.

TECHNICAL DATA

Suction Lift : up to 7 mts.
Capacity : up to 75 m³/hr
Head : up to 60 mts.
Material : C.I. / Bronze & steel alloys

HORIZONTAL MARINE PUMPS

Applications:

Variety of marine applications like General Service, Fire Fighting, Bilge, Condenser etc.
Transfer of oil, Petrol.
Sewage and effluent treatment plant
Drainage and irrigation

Basic Features:

Very short priming time.
Mechanical seal fitted with self lubricating from oil in pump.
Back pull out for easy maintenance for FCH-SP model.
Can handle liquids containing solid particles.
Fitted with two ball bearings with grease packed for life.

Self Priming:

FCH-SP & FCH-SP-M pumps are self priming with suction lift upto 7 mtrs.

Bearing & Lubrication:

Two grease lubricated anti-friction bearings are located in a common housing.

Drive:

By electric motor through a flexible coupling or Monoblock version.

Available with :

Mechanical Seals
Semi-open impellers
Interchangeability of components
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



FLO-RITE ENGINEERING CORPORATION

Gala No. 7, 1st Floor, Janta Industrial Compound, 162, Senapati Bapat Marg,
Opp. High Street Phoenix, Lower Parel (West), Mumbai - 400013.

Tel.: (022) 2493-4670/2498-5208 Fax: (022) 2493-7846

E-mail: florite@gmail.com Website: www.flo-ritepumps.com

SELF PRIMING CUM CENTRIFUGAL TYPE PUMPS "FCH-SP" SERIES

APPLICATIONS:-

- Sewage and Effluent treatment plants.
- Low NPSH process circulation duty.
- Aboard ships as bilge, deck wash pump & engine cooling pump.
- Loading , Unloading and transfer of tricky liquids viz. oils , solvents , gas oils , minerals , oils , grease, petrol, seawater etc.

RANGE:-

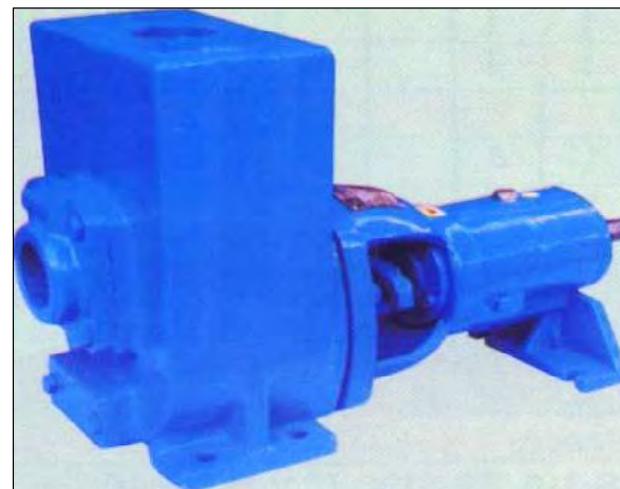
- Capacity :- up to 350 m³/hr,
- Head :- Up to 60m
- Suction Head: - Up to 8 meters.
- Material :- Cast Iron & Bronze,
- Solids: - Up to 41 mm dia.
- Viscosity: - Up to 100mm²/sec.

FEATURES:-

- Perfect sealing assured by high quality mechanical seal which cannot run dry because of internal oil reservoir.
- Graded casting & SS Shaft, Increase service life.
- Bearings greased for life, save external lubrication. Minimum need for inspection and maintenance.
- Drive options, of lectric motor, coupled or monoblock and belt drive versions or by petrol/diesel engine.

DESIGN:-

- Perfect selfpriming action with maximum suction head of 8 meters.
- Impellers with wider flow passage avoid clogging and can handle solids up to 41 mm dia.
- Back pullout design , simplifies inspection and maintenance.
- Compact , Light weight & yet rugged construction.



PERFORMANCE DATA FOR "FCH-SP" SERIES

FLOW M3/HR AT DIFFERENT HEAD IN METERS RPM 3000

MODEL		Size	mm	HP	KG	3	6	9	12	15	18	24	30	36	45	60	75
3-110	Head in Mtr	1 1/4"	7.5	1	15	15.2	13.7	11.5	9.9								
	Bkw NPSH R					0.43 0.6	0.55 1.5	0.63 2.8	0.68 4.3								
4-110	Head in Mtr	1 1/2"	12	1.5	17	16.3	15.2	14.2	13	11.6	10						
	Bkw NPSH R					0.68 0.6	0.71 1	0.75 1.3	0.79 1.9	0.84 2.9	0.9 4.8						
5-120b	Head in Mtr	2"	10	2	30	20	19	17.8	16.5	15.4	14	10.2					
	Bkw NPSH R					1.18 1.2	1.12 1.3	1.16 1.4	1.21 1.6	1.29 2.1	1.36 2.8	1.49 5					
5-120	Head in Mtr	2"	13	3	30		19.8	18.9	18	17.1	16.1	13.7	10.3				
	Bkw NPSH R						1.1 1.2	1.17 1.3	1.22 1.6	1.29 2	1.36 2.8	1.56 5	1.73 7.3				
3-160	Head in Mtr	1 1/4"	6	3	26	32	28.5	24.3	19.2	10							
	Bkw NPSH R					1.25 0.4	1.41 1	1.56 2	1.73 4.3	1.8 8							
6-120	Head in Mtr	2 1/2"	20	5	40				19.2	18.5	18	16.7	15.5	14.4	12	4	
	Bkw NPSH R								1.58 0.9	1.6 1	1.66 1.1	1.79 1.5	1.97 1.9	2.15 2.7	2.45 4.4	2.65 9.2	
6-150	Head in Mtr	2 1/2"	11	7.5	40				29	28	27	25	23	20.8	16		
	Bkw NPSH R								2.85 1.5	2.95 2	3.05 2.2	3.25 2.7	3.5 3.4	3.7 4.4	3.95 6.3		
6-160	Head in Mtr	2 1/2"	12	7.5	40				35	34.5	34	34.4	31	29	22.5		
	Bkw NPSH R								3.55 2.5	3.7 2.5	3.2 2.6	4.25 3	4.6 3.8	4.95 5.4	5.3 7		
8-140	Head in Mtr	80 MM	24	7.5	46				22.5	22	21	20.5	19.8	18.5	15	10.2	
	Bkw NPSH R											2.7 1.7	2.8 1.7	3 1.7	3.2 1.8	3.4 2	3.6 2.6