

Kirloskar SP 'M' Series Non-Clog Pumps

Single Stage, Horizontal, Centrifugal, Self Priming, Monobloc Pump.

Range

Head	:	6 - 24 metres
Capacity	:	17.4 - 1.1 litres per second
Power Rating	:	0.75 kW to 3.7 kW (1.0 HP to 5.0 HP)

Material of Construction

Standard Supply	
Impeller	: Cast Iron
Motor Body	: Cast Iron
Shaft	: Carbon Steel
Shaft Sleeve	: Bronze

Optional Supply

Impeller	: Bronze
Shaft	: Stainless Steel
Shaft Sleeve	: Chrome Steel

Direction of Rotation :

SP 'O' M, SP 1HM & SP 2HM : Anti clockwise.
SP 3LM+ : clockwise when viewed from suction side.

Approximate Performance of SP 'M' Series, Self Priming Monobloc Pumps, at rated Voltage, 50 Hz A.C. Power Supply:

PUMP MODEL	POWER RATING		PIPE SIZE (mm)		TOTAL HEAD IN METRES										SOLID HANDLING SIZE (mm)	RATE SPEED (RPM)	
	kW	HP	SUC.	DEL.	6	8	10	12	14	16	18	20	22	24			
					CAPACITY IN LITRES PER SECOND												
SP'O'M*	0.75	1.0	40	40	4.45	3.95	3.25	2.3	1.5							7.0	2700
SP 1HM	1.5	2.0	40	40			5.75	5.13	4.25	3.13	1.5					8.5	2800
Sp 2HM	2.2	3.0	50	50			8.75	8.2	7.48	6.55	5.5	4.3	3.0	1.1	10.5	2800	
SP 3LM+	3.7	5.0	80	80			17.4	15.4	12.5	8.1	3.5				15.5	1420	

* SP 'O'M is supplied for 210 volts single phase A.C. power supply and has mechanical seal arrangement. However, it can also be supplied in three phase A.C. power against the requirement. All other pumpsets are supplied for three phase A.C. power supply and with struffing box arrangement for gland pack or mechanical seal as per the requirement.

NOTE: Performance applicable to liquid of specific gravity 1 and viscosity as of water.

KIRLOSKAR BROTHERS LIMITED

Regd. Office : Udyog Bhavan, Tilak Road, Pune - 411 002.
Tel. : (020) 4444444. Fax : (020) 4444198.

Works : Ujjain Road, Opp. Railway Station, Dewas - 455 001.
Tel. : (07272) 27310-27312 Fax : (07272) 28747.
E-mail : mkt@dws.kbl.co.in



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SPM-080200

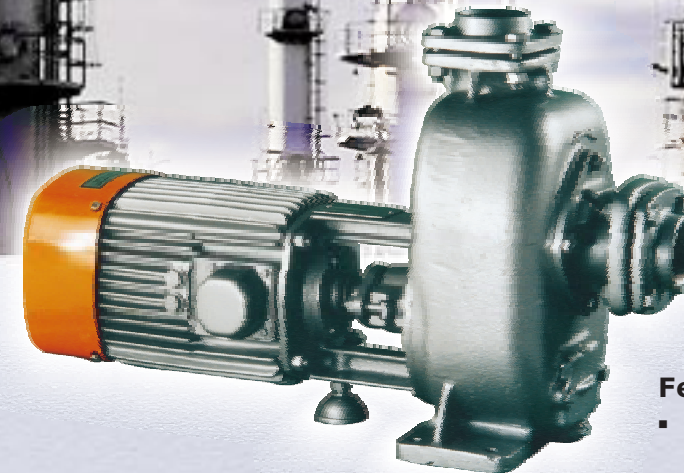
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SP'M'

Self Priming Monobloc Pump

Kirloskar

Enriching Lives



Features

- Can withstand wide voltage fluctuations.
 - From 180 to 240 Volts for single phase.
 - From 300 to 440 Volts for three phase.
- Efficiency at par with internationally available pumps.
- Quick automatic self-priming action. Designed for automatic air release during priming.
- Non-clogging impeller to handle suspended solids.
- Models are with 'B' class of insulation and IP 44 protection. Models in three phase A.C. power supply can be supplied with IP-55 protection on request.
- Repairs possible without disturbing the pipe connections due to back pull out design (except SP 'O'M).
- No need for foot valve.
- Long life - Due to replaceable wearing parts.
- Dynamically balanced rotating parts ensure minimum vibrations.
- Easy maintenance and spares availability.

Applications

- Marine : Pumping water from docks, ports, vessels.
- Industrial : pumping petroleum products, chemicals, effluents, Sewage, ash-water etc.
- Civil construction : Dewatering foundation, trenches and pits.
- Mobile Machinery : Cooling water for marine engines and shovels.
- Public utilities : Sewage pumping.

