



Enriching Lives

SELF-PRIMING PUMPS

CONSTRUCTION MATERIAL

	Standard Supply	Optional Supply
Impeller :	Cast Iron	Stainless Steel/ Bronze
Delivery Casing :	Cast Iron	
Shaft :	Carbon Steel	Stainless Steel
Shaft Sleeve :	Stainless Steel	
Class of Insulation :	"B" (SP M & Single Phase SP 0 Coupled Set & SP 1H Coupled Set "F" (SP Coupled Set)	"F" Except SPOM, Single Phase SP 0 Coupled Set & Coupled Set &
Sealing :	Gland Packed	Mechanical Seal

FEATURES

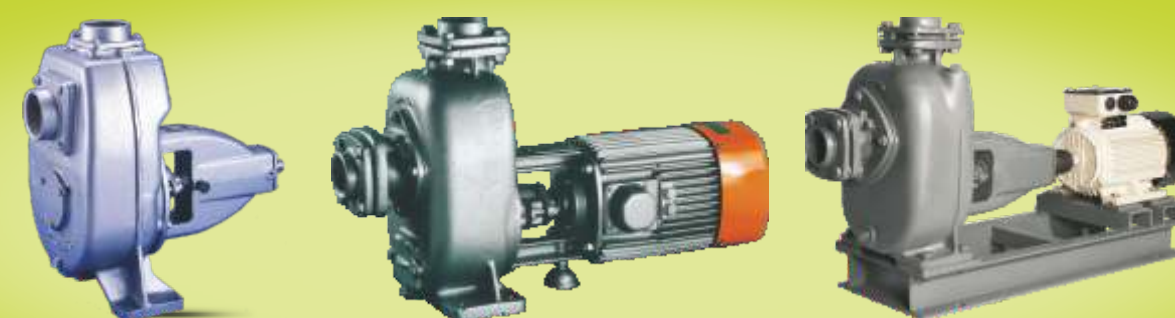
- Self priming and able to handle suspended soft solids
- Flatter efficiency curve for efficient operation
- Designed to prevent overloading and motor burning
- Designed for automatic air release during priming
- Non clogging impeller to handle suspended Soft solids
- Portable when fitted on trolley/trailer
- Dynamically balanced rotating parts ensuring minimum vibration during running
- Replaceable wearing parts
- Impeller is C.E.D. coated
- No need for foot valve
- Easy maintenance and spares availability

APPLICATIONS

- **Industrial:** Pumping Light Chemical, effluents, sewage, ash-water
- Industries for clear water handling at high pressures
- **Mobile Machinery:** Cooling water for de-watering
- **Marine:** Pumping water from docks, ports, vessels
- De-watering from basements, multi storeys, shopping malls, godowns, etc.



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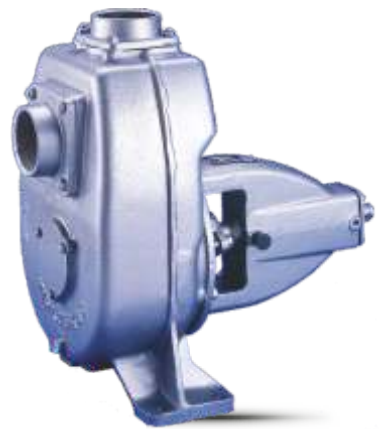


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KIRLOSKAR BROTHERS LIMITED
 A Kirloskar Group Company
 Established 1888

SP

Self-Priming Non-clog Bare Pump



PRODUCT SNAPSHOT

Range and Technical Specification

Head range	: Upto 44 meters
Discharge range	: Upto 73 LPS
Power Rating	: 0.75 - 18.7 kW (1-25 HP) Motor Coupled 4.0 - 19.5 kW (6-26 HP) Engine Coupled

Approximate performance of 'SP' (Self Priming) Series, Bare Shaft / Coupled Pumpset - at rated speed:

Pump Model	Power Rating kW	Pipe Size (mm)	Impeller Dia. (mm)	TOTAL HEAD IN METERS											Solid Size (mm)	Rated Speed (rpm)								
				DISCHARGE IN LITRES PER SECOND																				
				6	8	10	12	14	16	18	20	22	24											
SP 0'	0.75	1	40	116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0	2760
SP 1H	1.5	2	40	134	-	4.1	3.6	2.7	1.5	0.8	-	-	-	-	-	-	-	-	-	-	-	-	8.5	2900
SP 2H	2.2	3	50	145	-	-	8.7	8.1	7.8	7.0	6.0	4.2	3.5	1.8	-	-	-	-	-	-	-	-	10.5	2900
SP 3A	3.7	5	80	174	-	-	-	-	-	-	9.2	8.7	7.5	5.25	3.7	1.9	-	-	-	-	-	-	7.0	2900
SP 3	5.5	7.5	80	174	-	-	-	-	-	-	16.0	15.0	12.5	10.5	8.0	5.5	-	-	-	-	-	-	14.5	2900
SP 3L	3.7	5	80	224	-	-	-	-	-	-	16.5	13.5	11.5	8.0	3	-	-	-	-	-	-	-	15.5	1450
SP 3HH	9.3	12.5	80	194	-	-	-	-	-	-	39.5	31.0	30.0	27.0	24.0	18.0	15.0	-	-	-	-	-	14.5	2900
SP 4A	7.5	10	100	292	-	-	-	-	-	-	99.0	37.0	36.0	32.0	28.0	22.0	19.5	14.0	-	-	-	-	18.5	1450
SP 4L	9.3	12.5	100	292	-	-	-	-	-	-	63.4	60.0	57.5	52.5	45.0	34.3	30.0	16.0	-	-	-	-	23.0	1450
SP 6LA	15	20	150	296	-	-	-	-	-	-	72.5	68.7	66.2	61.3	55.0	45.0	40.0	27.5	-	-	-	-	34.0	1450
SP 6L	18.7	25	150	296	-	-	-	-	-	-	72.0	60.0	32.0	20.0	-	-	-	-	-	-	-	-	40.0	1450
SP 8LA	11	15	200	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60.0	1450

Note: All pumps are available in three Phase. SP'0' & SP 1H is also available in single phase. Performance applicable to liquid of specific gravity 1 and viscosity as of water.

SP M

Self-Priming Non-clog Monobloc Pump



PRODUCT SNAPSHOT

Range and Technical Specification

Head range	: Upto 22 meters
Discharge range	: Upto 15.5 LPS
Power Rating	: 0.37-3.7 KW (0.5-5 hp)
Voltage range	: 300 - 440V (3 Ph) 180 - 240V (1 Ph)

Approximate performance of SP 'M' (Self Priming Monobloc Pump) Series - at rated speed:

Pump Model	Power Rating kW	Pipe Size (mm)	Impeller Dia. (mm)	TOTAL HEAD IN METERS											Solid Size (mm)	Rated Speed (rpm)								
				DISCHARGE IN LITRES PER SECOND																				
				6	8	10	12	14	16	18	20	22	24											
SP 0.5M	0.37	0.5	40	40	116	-	2.6	2.1	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2700
SP 0M*	0.75	1	40	40	116	-	4	3.2	2.3	1	-	-	-	-	-	-	-	-	-	-	-	-	7	2700
SP 1HM	1.5	2	40	40	134	-	-	-	5.13	4.25	3.13	1.5	-	-	-	-	-	-	-	-	-	-	8.5	2800
SP 2HM	2.2	3	50	50	145	-	-	-	8.2	7.4	6.5	5.5	4.3	3	-	-	-	-	-	-	-	-	10.5	2800
SP 3LM	3.7	5	80	80	224	-	-	-	15.5	12.5	8	3.5	-	-	-	-	-	-	-	-	-	-	15.5	1420

*SP 05M & SP0'M are 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 stuffing 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.

SP COUPLED SET

Self-Priming Non-clog Pump



PRODUCT SNAPSHOT

Range and Technical Specification

Head Range	: Upto 44 meters
Discharge Range	: Upto 73 LPS
Power Rating	: 0.75 - 18.7 kW (1-25 HP) Motor Coupled Set 4.0 - 19.5 kW (6-26 HP) Engine Coupled Set
Voltage range	: 415± 10%

*Note : Please refer to the adjacent performance table for more details (Self-Priming Non-clog Bare Pump)