






NON – CLOG SELF PRIMING MUD PUMPS Series : OSP

PROSERVE presents 'OSP' Series Pumps are of non clog & self priming type. They are used in various marine, industrial, civil construction, mobile machinery & public utilities applications.

APPLICATION :

(Where Self Priming Action Is Necessary Required)

-  Marine-pumping Water From Docks, Ports, Vessels.
-  Industrial : Petroleum Products, Chemicals, Effluents, Sewage, Ash-water Etc.
-  Civil Construction : Dewatering Foundation, Trenches and Pits.
-  Public Utilities : Sewage Pumping.
-  Mobile Machinery : Cooling Water for Marine Engines and Shovels.

DESIGN FEATURES :

-  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.
-  Repairs Possible Without Disturbing The Pipe Connection Due to Back Pull Out Design (except SP'0).
-  Easy Maintenance and Spares Availability.
-  Portable, When Fitted On Trolley/trailer.
-  Suitable for Engine / Motor.
-  No Need for Foot Valve.
-  Long Life - Due to Replaceable Wearing Parts.
-  Dynamically Balanced Rotating Parts Ensure Minimum Vibrations.

Material of Construction :

Delivery Casing	Cast Iron / Stainless Steel
Impeller	Cast Iron / Stainless Steel
Pump Shaft	Carbon Steel / Stainless Steel
Shaft Sleeve	Stainless Steel
Sealing	Gland Packing / Mechanical Seals

Range Specification :

Head Range	Upto 44 Mtr
Discharge Range	Upto 80 LPS
Power Rating	0.75 KW to 8.5 KW (1.0 HP to 25 HP)
Motor Speed	1500 to 2900 RPM
Engine Speed	1500 to 2200 RPM

PERFORMANCE DATA :

Self - Priming Monoblock Mud Pump Series : 'OSPM'

at Rated Voltage, 50 Hz A.C Power Supply



PUMP MODEL	MOTOR RATING		PIPE SIZE		IMPELLER DIA. IN M.M	TOTAL HEAD IN METERS										RATED VOLTS	RATED SPEED (RPM)	
						6	8	10	12	14	16	18	20	22	24			
	KW	HP	SUC.	DEL.		CAPACITY IN LITERS PER SECOND												
OSP 0M	0.75	1	40	40	116	4.45	3.95	3.25	2.3	1.5							7	2850
OSP 1HM	1.5	2	40	40	134			5.75	5.13	4.25	3.13	1.5					8.5	2870
OSP 2HM	2.2	3	50	50	145			8.75	8.2	7.48	6.55	5.5	4.3	3.0	1.1		10.5	2870
OSP 3LM+	3.7	5	80	80	224			17.4	15.4	12.5	8.1	3.5					15.5	1450

OSP Bare - Shaft Coupled Pump Set



PUMP MODEL	MOTOR RATING		PIPE SIZE		IMPELLER DIA. IN M.M	TOTAL HEAD IN METERS													RATED VOLTS	RATED SPEED (RPM)	
	KW	HP	SUC.	DEL.		6	8	10	12	14	15	17	19	22	23	25	28	30			32
						CAPACITY IN LITERS PER SECOND															
OSP 0	0.75	1	40	40	116	4.75	4.3	3.8	3	1.9	1.2									7	2850
OSP 1H	1.5	2	40	40	134			6	5.3	4.4	4	2.8	0.9							8.5	2870
OSP 2H	2.2	3	50	50	145			9	8.5	7.8	7.3	6.5	5.4	3.4	2.65	0.8				10.5	2870
OSP 3A	3.7	5	80	80	174									9.9	8.6	8	6.6	4.3	2.4	7	2860
OSP 3	5.5	7.5	80	80	174									15.9	15.5	14.2	11.7	9.4	7.1	14.5	2920
OSP 3L+	3.7	5	80	80	224			17.3	15.4	12.2	10.4	6								15.5	1450
OSP 4LA+	7.5	10	100	100	292			35.5	33.5	30.8	29.5	26.5	23.5	17	14					18.5	1455
OSP 4L+	9.3	12.5	100	100	292			41	39	36	34.7	31.5	27.5	21	18.6	12.5				23	1440
OSP 6LA+	15	20	150	150	296			66.3	63.4	59.8	57.5	52	45.5	34.2	29.5					34	1470
OSP 6L	18.7	25	150	150	296			75	72.5	68.7	66.2	61.3	55.5	45	39.5	27.5				40	1475

Series : OSP - Bare - Shaft Engine Couple Pump Set



PUMP MODEL	MOTOR RATING		PIPE SIZE		IMPELLER DIA. IN M.M	TOTAL HEAD IN METERS													RATED VOLTS	RATED SPEED (RPM)	
	KW	HP	Suc.	DEL.		6	12	14	15	16	18	19	20	22	24	25	26	28			
						CAPACITY IN LITERS PER SECOND															
OSP 3L	4.0	6	80	80	224	17.7	15.6	12.5	8.5	6.0	3.5									15.5	1500
OSP 3L+	9.0	12	80	80	224				22.5	22.0	20.7	19.9	19.0	16.7	13.7	12.0	10.1	6.0		15.5	1800
OSP 4LA+	9.0	12	100	100	292		36.3	33.9	32.5	31.2	28.2	26.6	25.0	21.5	17.1	14.5	11.5			18.5	1500
OSP 4L+	10.5	14	100	100	292		41.2	39.1	38.0	36.5	33.9	32.0	30.5	26.4	21.5	18.5	16.0	9.9		23.0	1500
OSP 6LA+	16.5	22	150	150	296	68.0	66.1	63.0	62.0	59.0	53.5	51.7	48.0	41.0	32.8	28.4	22.6			34.0	1500
OSP 6L	19.5	26	150	150	296	77.5	75.0	72.0	71.0	68.0	63.0	62.0	57.0	51.0	42.5	38.8	32.5			40.0	1500

PROSERVE
PUMPS & ENGINEERING
Manufacturer of Industrial Pumps & Spares

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