

# Self Priming Centrifugal Non Clog Pump

## MSPG Series - 1500 RPM (Mud Pump)



### Range :

Capacity	: Upto 270 M3/Hr
Head	: Upto 35 Mtr.
Max. Liquid Temp.	: Upto 250 °C.
Suction Lift	: Upto 7 Mtr.

### Design :

- Excellent self-priming ability
- Graded Castings
- No Foot Valve required at the suction line.
- Easy maintenance – Back-Pull-Out principle
- Dynamically balanced rotating parts ensure minimum vibrations
- Available with Various Gland packings for specific applications.
- Mechanical Seals can be offered on request

### Application :

Where liquid is to be lifted from the under ground tanks

Transfer of Non-clear liquids like Dirty/polluted/sewage/muddy/waste water.

Ideal for Effluent/sludge handling, Dewatering docks, ports, vessels, swamps, basements, tranches, construction sites, pools etc.

Pumping petroleum products i.e. L.D.O., Diesel, Petrol, Kerosene etc.

Transfer of Dirty water of restaurants, Hotels, Resorts etc.

SELF-PRIMING NON-CLOG PUMPS														
STANDARD MOC AVAILABLE IN DIFFERENT TYPE														
ITEM NAME	TYPE A	TYPE B	TYPE C	TYPE D	TYPE E	TYPE F	TYPE G	TYPE H	TYPE I	TYPE J	TYPE K	TYPE L	TYPE M	TYPE N
Pump Housing	CI	CF8M	CF8	CS	CI	CI	CI	CF3M	CI	CI	CF7M	CS	CI	CI
Suction Cover	CI	CF8M	CF8	CS	CI	CI	CI	CF3M	CI	CI	CF7M	CS	CI	CI
Window Cover	CI	CF8M	CF8	CS	CI	CI	CI	CF3M	CI	CI	CF7M	CS	CI	CI
Priming Plug	MS	SS 316	SS 304	MS	MS	MS	MS	SS 316L	MS	MS	Alloy 20	MS	MS	MS
Impeller	CI	CF8M	CF8	CS	CF8M	CF8M	CF8M	CF3M	CF8M	CF8M	CF7M	CF8M	CF8	CF8
Stuffing Cover	CI	CF8M	CF8	CS	CI	CI	CI	CF3M	CF8M	CF8M	CF7M	CS	CI	CF8
Gland Pusher	CI	CF8M	CF8	CS	CI	CI	CI	CF3M	CF8M	CF8M	CF7M	CS	CI	CF8
Bearing Housing *	CI	CI	CI	CI	CI	CI	CI	CI	CI	CI	CI	CI	CI	CI
Bearing Cover *	Alu.	Alu.	Alu.	Alu.	Alu.	Alu.	Alu.	Alu.	Alu.	Alu.	Alu.	Alu.	Alu.	Alu.
Shaft	EN 8	SS 316	SS 304	EN 8	SS 316	SS 316	EN 8	SS 316L	SS 316	SS 316	Alloy 20	SS 316	SS 304	SS 304
Sleeve	SS 410	SS 316	SS 304	SS 410	SS 316	SS 316	SS 410	SS 316L	SS 316	SS 316	Alloy 20	SS 316	SS 304	SS 304
Wear Plate	CI	CF8M	CF8	CI	SS316	CI	CF3M	CI	CF8M	CF7M	CS	CI	CI	CF8
Gaskets	CAF	CAF	CAF	CAF	CAF	CAF	CAF	CAF	CAF	CAF	CAF	CAF	CAF	CAF
Gland Packing	Graphited Asbestos	100% Pure PTFE	100% Pure PTFE	GFO	TIWA	TIWA	Graphited Asbestos	100% Pure PTFE	TIWA	TIWA	100% Pure PTFE	GFO	TIWA	TIWA
Flap Valve	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR

\* Not wetted component

MATERIAL GRADES			
CI	Cast Iron (IS 210 FG 260)	Alu.	Aluminium
CF8	ASTM A 351 Gr.SS 304	EN 8	EN-8 (BS 970)
CF8M	ASTM A 351 Gr.SS 316	SS 304	ASTM A 276 Gr. 304
CS	ASTM A 216 Gr. WCB	SS 316	ASTM A 276 Gr. 316
CF3M	ASTM A 351 Gr. SS 316L	SS 316L	ASTM A 276 Gr. 316L
CF7M	ASTM A 351 Gr. Alloy 20	SS 410	ASTM A 276 Gr. 410
MS	Mild Steel	Alloy 20	ASTM A 276 Gr. Alloy 20
NBR	Nitrile Butadyne Rubber	HT	High Tension
		CAF	Compressed Asbestos Fibre

Note 1 : Other material combinations are available on request \* Note 2 : Mechanical Seals can be offered on request

PERFORMANCE TABLE - MOTOR COUPLED PUMP																				
Pump Model	Power		Pipe Size		Imp.Dia. mm.	Total Head in Mtrs.														Solid Heading size in mm.
	KW	HP	SUC.	DIS.		RPM	10	12	14	15	16	18	19	20	22	24	25	26	28	
Capacity in M3/Hr.																				
8-230	3.7	5	80	80	224	1450	64.8	59	49	42	36	20	0	0	0	0	0	0	15.5	
10-300b	7.5	10	100	100	292	1450	129.6	1220	112	108	102.96	92	86	81	43.2	0	0	0	18.5	
10-300	9.3	12.5	100	100	292	1450	149.4	142	132	127	120.96	110	102	94	61.2	50.4	36	0	23	
15-300b	15	20	150	150	296	1450	238.68	228	215	207	198	176	164	153	85.68	0	0	0	34	
15-300	18.7	25	150	150	296	1450	270	261	247	238	230.4	211	200	187	122.4	99	72	0	40	

PERFORMANCE TABLE - ENGINE COUPLED PUMP																				
Pump Model	Power		Pipe Size		Imp.Dia. mm.	Total Head in Mtrs.														Solid Heading size in mm.
	KW	HP	SUC.	DIS.		RPM	10	12	14	15	16	18	19	20	22	24	25	26	28	
Capacity in M3/Hr.																				
8-230	4	6	80	80	224	1500		64	56	50	45	31	22	13					15.5	
8-230	9	12	80	80	224	1800				81	79	75	72	68	60	49	43	36	22	
10-300b	9	12	100	100	292	1500		131	122	117	112	102	96	90	77	62	52	41	18.5	
10-300	10.5	14	100	100	292	1500		148	141	137	131	122	115	110	95	77	67	58	36	
15-300b	16.5	22	150	150	296	1500	245	238	227	223	212	193	186	173	148	118	102	81	34	
15-300	19.5	26	150	150	296	1500	279	270	259	256	245	227	223	205	184	153	140	117	40	

Note 1 : Size Of suction & discharge port BSP threaded

Note 2 : Performance applicable to liquid of specific gravity 1 and viscosity as of water.



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