



# Self Priming Centrifugal Non Clog Pump

## MSPG Series - 3000 RPM (Mud Pump)



### Range :

Capacity	: Upto 75 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 like 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
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
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

Model	M3/Hr.→	3	6	9	12	15	18	24	30	36	45	60	75	Size	mm	HP
3-110	Head in Mtr. Bkw NPSH R	15.2 0.43 0.6	13.7 0.55 1.5	11.5 0.63 2.8	9.9 0.68 4.3									1 1/4"	7.5	1
4-110	Head in Mtr. Bkw NPSH R	16.3 0.68 0.6	15.2 0.71 1.0	14.2 0.75 1.3	13.0 0.79 1.9	11.6 0.84 2.9	10.0 0.9 4.8							1 1/2"	12	1.5
5-120b	Head in Mtr. Bkw NPSH R	20.0 1.18 1.2	19.0 1.12 1.3	17.8 1.16 1.4	16.5 1.21 1.6	15.4 1.29 2.1	14.0 1.36 2.8	10.2 1.49 5.0						2"	10	2
5-120	Head in Mtr. Bkw NPSH R		19.8 1.10 1.2	18.9 1.17 1.3	18.0 1.22 1.6	17.1 1.29 2.1	16.1 1.36 2.8	13.7 1.56 5.0	10.3 1.73 7.3					2"	13	3
3-160	Head in Mtr. Bkw NPSH R	32.0 1.25 0.4	28.5 1.41 1.0	24.3 1.56 2.0	19.2 1.73 4.3	10.0 1.8 8.0								1 1/4"	6	3
6-120	Head in Mtr. Bkw NPSH R				19.2 1.58 0.9	18.5 1.60 1.0	18.0 1.66 1.1	16.7 1.79 1.5	15.5 1.97 1.9	14.4 2.15 2.7	12.0 2.45 4.4	4.0 2.65 9.2		2 1/2"	20	5
6-150	Head in Mtr. Bkw NPSH R				29.0 2.85 1.5	28.0 2.95 2.0	27.0 3.05 2.2	25.0 3.25 2.7	23.0 3.5 3.4	20.8 3.7 4.4	16.0 3.95 6.3			2 1/2"	11	7.5
6-160	Head in Mtr. Bkw NPSH R				35.0 3.55 2.5	34.5 3.7 2.5	34.0 3.2 2.6	34.4 4.25 3.0	31.0 4.6 3.8	29.0 4.95 5.4	22.5 5.3 7.0			2 1/2"	12	7.5
8-140	Head in Mtr. Bkw NPSH R					22.5 2.7 1.7	22.0 2.8 1.7	21.0 3.0 1.7	20.5 3.2 1.8	19.8 3.4 2	18.5 3.6 2.6	15 3.8 4.4	10.2 3.8 7.5	80mm	24	7.5



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