

CHINTAN ENGINEERS

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SELF PRIMING CUM CENTRIFUGAL MUD PUMPS "CE-MP" SERIES

SPECIAL FEATURES:-

- Excellent quick automatic action without foot valve up to 8 mtrs.
- Automatic air release during priming.
- Back pull out design, so easy maintainance without disturbing pipe lines.
- Dynamically balanced rotating parts ensure less vibrations.
- Better efficiency because of good hydraulic design.
- Minimum parts , fast repairing at low cost, Also pump is available at economical rate.
- Available in Bare, Coupled , Monobloc, Belt driven & Engine driven version.
- Also offered pump with trolley / trailer to move it from one place to another.
- Monobloc pumps can be able to with stand with wide voltage fluctuations.
- Less expensive & easily available spares.
- Pumps can be fitted with mechanical seal as per customer's requirements.
- Very simple construction, only two moving parts.
- Easy inspection of impeller.
- Large diameter solids handled. up to 60 mm
- High resistance. to abrasive liquids the wear plate is easily replaced and impeller are also available with ceramic coating
- **Easy to install:** - only the suction hose is immersed in the liquid, The pump can be set up high and dry in the most convenient position for inspection and maintenance.
- **Long Life :-** The parts subject to wear can be easily replaced one or more times to restore the original performance.



APPLICATION:-

- **Public utilities:** For pumping muddy water, sewage, polluted liquids, solid and in swimming pool.
- Dewatering Basements, Trenches and Construction sites.
- Onboard shift, as bilge, for deck wash & engine cooling
- Tiles & Marble factories, effluent plants.
- **Mobile Machinery :** Cooling water for marine engines and shovels.
- Any application where priming is to be avoided.
- **Industry :** Transfer of clean or dirty neutral, acid or alkali liquids containing sand, mud or solids in suspension; clean or dirty low viscosity petroleum product or solvents; milk of lime, caustic soda; washing, cooling, circulation; smoke scrubbing; emergency duty.
- **Civil engineering:** Flood drainage; sewage pumping; fire fighting; recovery of dangerous liquids.
- **Naval duty:** Loading and unloading; bilge pumping; washing, fire fighting, stripping, sanitary duty and circulation.
- **Waste treatment:** pumping polluted, hot or corrosive waste water containing sand, mud or solids in suspension; dosing neutralizing liquids; pumping out settled sludge.
- **Construction industry:** Dewatering excavation, canals or ponds; ground water dewatering with well point system or drains; water supply from wells or canals; hosing down concrete castings.
- **Agriculture :** Surface irrigation; liquid manure oxygenation; transfer and spraying liquid manure or fertilizers, distribution of liquid animal feed; transfer of must; washing.

TYPICAL APPLICATION:-

- Liquid containing sand mud or solids in suspension with pH from 5-13, smoke scrubbing; water emulsion for machine tools or grinders, cutting or quenching fluid circulation, cooling water circulation in steel mills or

drawing mills; neutralizing liquid dosage, pumping out settled sludge, sump pumping liquid manure transfer and circulation

- Water circulation in paint spray booths; stripping fuel tanks circulation
- Recovery of dirty solvents
- Transfer of light petroleum product such as diesel fuel, paraffin, kerosene and petrol (gasoline)
- Liquid fertilizer transfer, circulation and spraying, brackish or sea water containing sand
- Brackish or sea water washing, cooling or fire fighting in ports; auxiliary duties on board
- Marine duty; brine, sea intake and circulation of sea water in swimming pools
- Pumping out acid waster, transfer, of dilute acids; fruit juice or fluid food products
- Recovery of spills from chemical plant; transfer or circulation of caustic soda or potash
- At Drilling Rigs



4”SIZE FABRICATED STAINLESS STEEL PUMP

MONOBLOCK & MOTOR COUPLED

MODEL	MOTOR KW HP		PIPE SIZE IN MM	SPEED IN R.P.M.	TOTAL HEAD IN METERS																		Solid Hand- ling	
					6	8	10	12	14	15	16	18	19	20	22	24	25	26	28	30	32	34		
			Suc. x Del.		DISCHARGE LITERS PER SECOND																			Size(MM)
MP-0	0.75	1.00	40X40	2850	4.5	4.0	3.5	2.6	1.4	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0
MP-1	1.50	2.00	40X40	2850	-	-	6.2	5.5	4.8	4.3	3.9	2.7	1.8	0.8	-	-	-	-	-	-	-	-	-	8.5
MP-2	2.20	3.00	50X50	2900	-	-	9.2	8.4	8.0	7.7	7.2	6.4	5.9	5.3	4.0	2.5	1.4	-	-	-	-	-	-	10.5
MP-3A	3.70	5.00	80X80	2900	-	-	-	-	-	-	-	-	-	10.0	9.2	8.1	7.4	6.7	5.1	3.7	1.8	-	-	7.0
MP-3	5.50	7.50	80X80	2900	-	-	-	-	-	-	-	-	-	16.3	16.1	15.4	14.7	13.9	12.4	10.1	7.9	5.4	-	14.5
MP-3L	3.70	5.00	80X80	1450	-	-	18.0	16.3	13.5	11.5	10.0	5.5	-	-	-	-	-	-	-	-	-	-	-	15.5
MP-4LA	7.50	10.00	100X100	1450	-	-	35.9	33.8	31.1	29.9	28.4	23.8	22.4	17.9	11.9	-	-	-	-	-	-	-	-	18.5
MP-4L	9.30	12.50	100X100	1450	-	-	41.4	39.4	36.5	35.2	33.5	30.4	28.2	26.1	21.9	16.9	14.0	10.0	-	-	-	-	-	23.0
MP-6LA	15.00	20.00	150X150	1450	-	-	66.2	63.3	59.7	57.4	54.9	48.7	45.4	42.4	34.1	23.7	-	-	-	-	-	-	-	34.0
MP-6L	18.70	25.00	150X150	1450	-	-	74.9	72.4	68.6	66.1	63.9	58.4	54.9	51.9	44.9	33.9	27.4	20.0	-	-	-	-	-	40.0
MP-8LA	45	60.00	200X200	1450	-	-	-	-	177	170	168	160	153	149	130	104	80	55	-	-	-	-	-	50.0

- Performance are at 2900 / 1450 rpm , 50 / 60 Hz and tested with clear Water.
- Due to Constant R & D activity , details are subject to change without prior Notice.

ENGINE COUPLED

MODEL	MOTOR KW HP		PIPE SIZE	SPEED IN	TOTAL HEAD IN METERS																		Solid Handling Size (MM	
					6	8	10	12	14	15	16	18	19	20	22	24	25	26	28	30	32	34		
			IN MM Suc. x Del.	R.P.M.	DISCHARGE LITERS PER SECOND																			
MP-3I	4.00	6.00	80X80	1500	-	-	-	17.1	15.0	13.5	11.9	8.1	5.4	3.1	-	-	-	-	-	-	-	-	-	15.5
MP-3I	9.00	12.00	80X80	1800	-	-	-	-	-	22.0	21.5	20.1	19.3	18.4	16.1	13.2	11.5	9.5	5.4	-	-	-	-	15.5
MP-4LA	9.00	12.00	100X100	1500	-	-	-	35.7	33.2	32.0	30.6	27.7	26.1	24.4	20.9	16.6	14.0	10.9	-	-	-	-	-	18.5
MP-4L	10.50	14.00	100X100	1500	-	-	-	39.8	38.4	37.5	35.5	33.4	31.8	30.0	25.8	21.0	17.9	15.4	9.2	-	-	-	-	23.0
MP-6LA	16.50	22.00	150X150	1500	-	-	67.5	65.6	62.5	61.5	58.6	53.0	51.1	47.4	40.4	32.2	27.8	22.0	-	-	-	-	-	34.0
MP-6L	19.50	26.00	150X150	1500	-	-	76.8	73.8	71.4	70.2	67.5	62.2	61.4	56.3	50.1	41.4	37.7	31.4	-	-	-	-	-	40.0

Note : Special Pumps for Higher Capacity and Head available on request.



3" SIZE FABRICATED
STAINLESS STEEL PUMP



100 HP HIGH HEAD & HIGH DISCHARGE
MUD PUMP AS PER CUSTOMER ORDER



ENGINE DRIVEN TROLLEY
MOUNTED PUMP



MONOBLOCK PUMP UP TO 7.5 HP



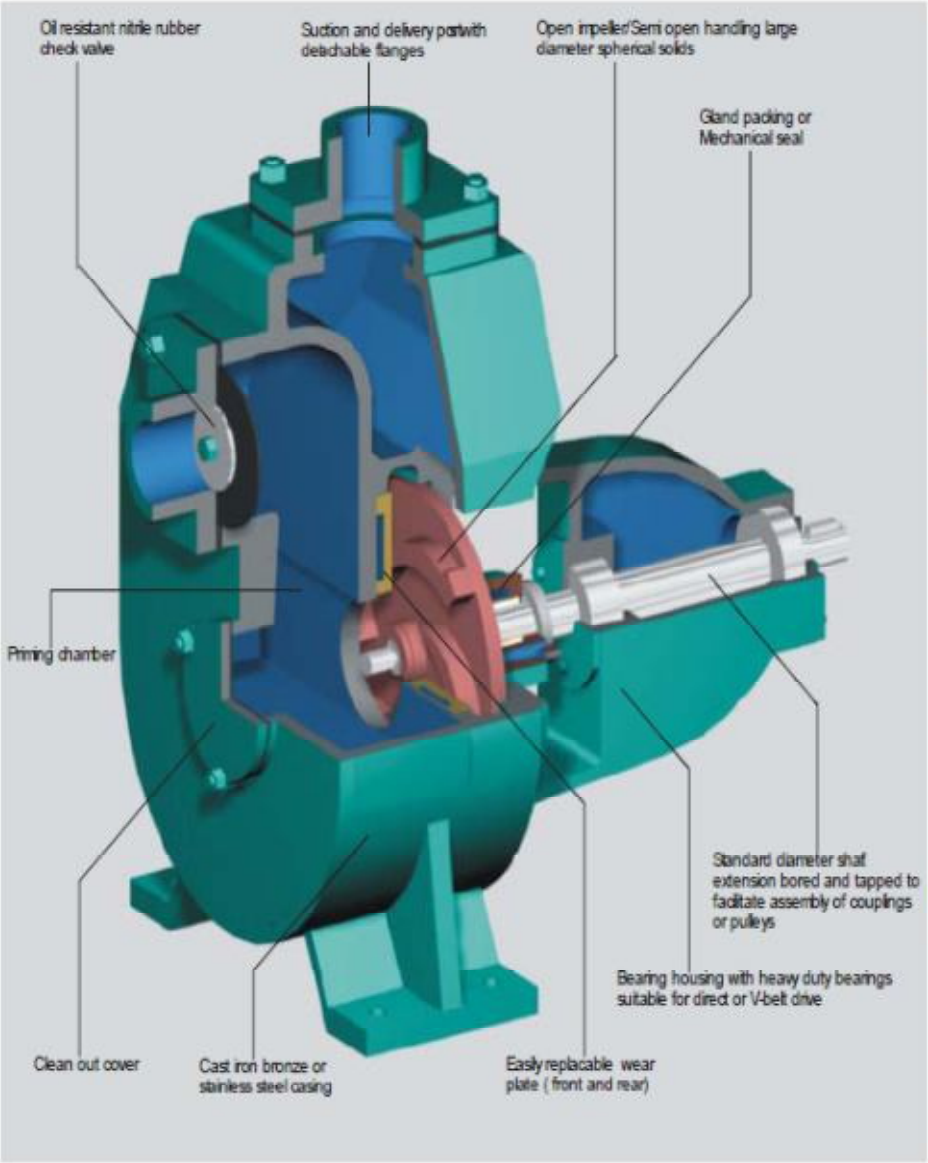
OPEN & SEMI-OPEN IMPELLER



OUR STANDARD METAL FRAME & PACKING

MATERIAL OF CONSTRUCTION

NAME	STANDARD	OPTIONS
CASING	CAST IRON FG-260	SS 304 / 316 / GUN METAL
IMPELLER	CAST IRON FG-260	SS 304 / 316 / GUN METAL
SHAFT	EN-8	SS 304 / 316 / 410
SLEEVE	SS-410	SS304 / 316
GLAND	TIWA	MECHANICAL SEAL / PTFE



MUD PUMP SPARES

