



# Corrosion Resistant Polypropylene Pumps

## MHP Series



### Range

Capacity : Up to 295 M3/Hr.  
Head : Up to 60 Mtr.  
Size : Up to 4"

### Design

MHP series corrosion resistant poly propylene pump is designed as per standard DIN 24256/ISO 5199. These pumps are designed with semi open impeller, Horizontal foot mounting.

### Features :

- Radially split volute casing for easier maintenance
- Suitable for extremely corrosive liquids
- Designed for continuous duty.
- External mechanical seals are used as shaft sealing.
- Dynamically balanced impeller is used with metal insertion for higher strength

## Applications :

Transfer & circulation of HCL, H<sub>2</sub>SO<sub>4</sub>, Acids & Alkalis.

Loading & unloading for Corrosive and Highly corrosive material.

Water treatment plants, effluent treatment plants, electroplating , pickling , steel industries etc.

Ideal pump for scrubbing of corrosive gases i.e. NH<sub>3</sub>, CO<sub>2</sub>, SO<sub>3</sub>, SO<sub>2</sub>, I<sub>2</sub>, F<sub>2</sub>, Br<sub>2</sub>, Cl<sub>2</sub> etc.

Industries like Chemical, pharmaceutical etc.

## Material of Construction :

- Pump Housing, Impeller, Back Plate : Poly Propylene
- Bearing Housing, Adaptor : Cast Iron / S.S.304 / S.S.316 / Alloy20 / Hastelloy B/C
- Shaft : EN-8 / S.S.304 / S.S.316 / Alloy20 / Hastelloy B/C
- Sleeve : Ceramic / Alloy20 / Hastelloy B/C

PERFORMANCE TABLE-1										
MODEL NO.	SUCTION DELIVERY SIZE (MM)	IMPELLER O.D. IN MM	HEAD IN METER						KW/HP	RPM
			CAPACITY IN M3/HR							
MHP-100	25 x 25	100	12 00	10 02	09 05	07 08	06 11	04 13	0.75 1.0	2900
MHP-120	40 x 40	120	17 00	15 05	13 10	11 13	07 19	05 22	1.5 2.0	2900
MHP-130	40 x 40	148	28 00	25 05	21 10	17 16	14 21	09 26	2.2 3.0	2900
MHP-160R	40 x 40	145	25 00	21 05	20 10	15 15	10 25	05 27	2.2 3.0	2900
MHP-160	75 x 40	160	30 00	27 05	25 10	20 20	15 30	10 35	3.7 5.0	2900
MHP-170	75 x 50	160	33 00	30 10	25 30	20 40	15 45	10 56	5.5 7.5	2900
MHP-40	50 x 40	190	50 00	45 10	40 25	35 30	30 35	25 40	9.3 12.5	2900
MHP-50R	40 x 40	190	12 00	10 05	10 10	09 15	08 20	07 25	1.5 2.0	1450
MHP-50	75 x 40	205	14 00	13 05	12 15	11 25	10 32	05 35	2.2 3.0	1450
MHP-55	75 x 50	210	16 00	15 05	14 16	12 35	10 45	06 50	3.7 5.0	1450

PERFORMANCE TABLE-2										
MODEL NO.	SUCTION DELIVERY SIZE (MM)	IMPELLER O.D. IN MM	HEAD IN METER						KW/HP	RPM
			CAPACITY IN M3/HR							
MHPL-50H	50 X 50	210	45 60	50 52	55 45	58 35	60 20	64 0	11 15.0	2900
MHPL-50L	50 X 50	220	4 50	6 44	10 34	13 23	15 14	17 0	3.7 5.0	1450
MHPL-75H	75 X 50	185	30 108	35 93	40 78	43 58	45 24	47 0	15 20.0	2900
MHPL-75L	75 X 50	195	3 65	5 56	7 52	9 42	11 30	13 0	3.7 5.0	1450
MHPL-100	100 X 75	265	14 170	16 162	18 150	20 120	22 100	25 0	15 20.0	1450
MHPL-100R	100 X 75	255	14 115	16 105	19 88	21 75	23 50	24 0	9.3 12.5	1450
MHPL-150	150 X 100	320	25 295	27 285	29 270	30 250	32 200	34 0	37 50.0	1450
MHPL-150R	150 X 100	320	22 250	25 230	28 200	30 185	32 150	34 0	30 40	1450



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