

## "MHPP" SERIES

### APPLICATION

- Water treatment Plant
- Effluent Treatment
- Filter Press for dyes and chemicals
- Fertilizer Plants Thermal and atomic power plants
- Drugs & Pharmaceutical Industries
- Descaling of Tubes
- Scrubbing of corrosive gases like Cl<sub>2</sub>, Br<sub>2</sub>, I<sub>2</sub>, SO<sub>2</sub>, NH<sub>3</sub>, F<sub>2</sub> Etc.
- Excellent for vacuum ejectors
- Transferring of concentrated HCL from road tankers
- Paper & Pulp industries
- Pickling in steel rolling mills
- **Caustic soda plants :**  
Chlorinated Brine , Conc. HCL , Dilute H<sub>2</sub>SO<sub>4</sub> etc.
- **PHOSPHORIC Acid Plants :**  
H<sub>3</sub>PO<sub>4</sub> , H<sub>2</sub>SO<sub>4</sub> , HF and their mixtures with or without solid (gypsum) up to 40% conc.
- **Gas Washing Plants :**  
Scrubbed Liquids containing CL<sub>2</sub>, BR<sub>2</sub>, F<sub>2</sub>, I<sub>2</sub>, SO<sub>2</sub>, SO<sub>3</sub>, CO<sub>2</sub>, NH<sub>3</sub>, Gases etc. with solids replace Hast Alloy.
- **Rayon Plants :**  
Spin bath solution (H<sub>2</sub>SO<sub>4</sub>, ZNSO<sub>4</sub>, NaSo<sub>4</sub>, etc.)
- **Electro Plating**

### HORIZONTAL POLYPROPYLENE



### MATERIAL OF CONSTRUCTION

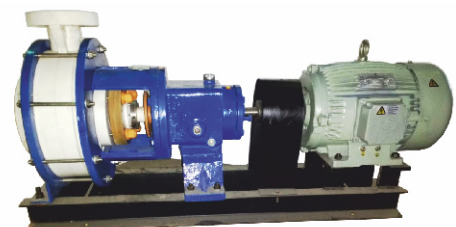
- **CASING :**  
Top centerline discharge and Integrated flanges , Single piece , joint less casing formed out of Injection molded polypropylene / PVDF / UHMWPE.
- **IMPELLER :**  
Hydraulically balanced and accurately matched to casing profile , the semi open type impeller with particle shroud and glass finished smooth flow passage ensure high efficiency low NPSH Performance Impeller made from compressor molded polypropylene PVDF / UHMW.
- **SHAFT :**  
The shaft is made from SS 304 protected by shaft sleeve of alloy -20 or alumina field Teflon or ceramic.
- **BEARING HOUSING :**  
Made form heavy duty graded casting.
- **BEARING :**  
SKF Ball Bearing
- **MECHANICAL SEAL :**  
Rotary part of seal is made from glass field Teflon & stationary part of seal is made from high alumina field ceramic.
- **DISTANCE PIECE :**  
Heavy duty one piece injection molded poly propylene.

### RANGE

- **Head Up To :** 60 mtrs
- **Pump size :** 25 mm to 150 mm
- **Capacity :** 180 M<sup>3</sup>/hr
- **Speed :** 1440/2880 rpm  
at 50 Hz &  
1750/3500 rpm  
at 60 Hz
- **Temperature :** up to 110c

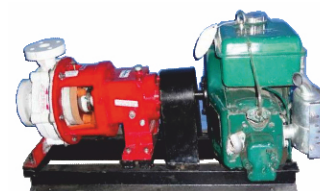
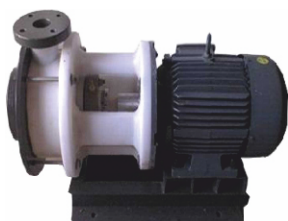
### TEMPERATURE RESISTANCE

- PP 50 TO 80c
- PPH 90 TO 100c
- PVDF 100 TO 115c

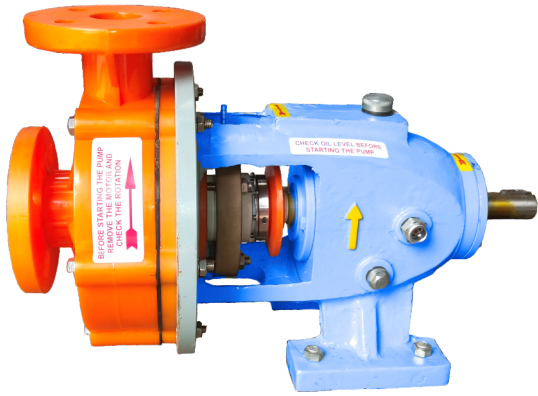


**“MHPP” SERIES**
**WATER RATING CHART**

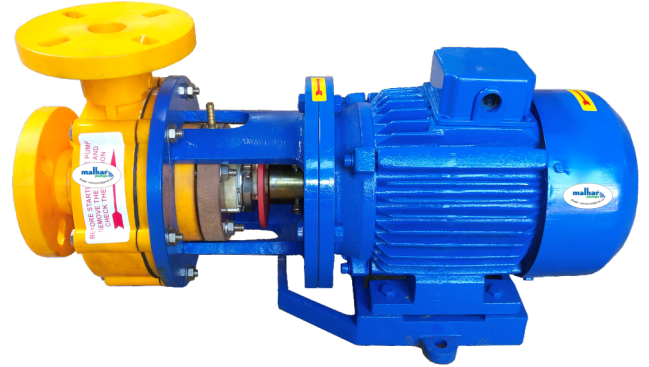
PERFORMANCE TABLE										
MODEL	SIZE	IMPELLER DIA	HP X RPM	CAPACITY IN LPM & (HEAD IN METERS)						
MHPP-100	25 X 25	100	1 X 2900	4	6	7	9	10	12	HEAD
				200	167	133	83	50	0	FLOW
MHPP-120	40 X 32	120	2 X 2900	5	7	11	13	15	16	HEAD
				317	250	167	133	67	0	FLOW
MHPP-130	50 X 40	148	3 X 2900	9	14	17	21	25	25	HEAD
				367	300	217	133	83	0	FLOW
MHPP-160R	40 X 40	142	3 X 2900	5	10	15	18	20	23	HEAD
				417	367	250	150	83	0	FLOW
MHPP-50	75 X 40	205	3 X 1440	5	10	11	12	13	14	HEAD
				500	417	333	167	83	0	FLOW
MHPP-160	75 X 40	157	5 X 2900	10	15	20	25	27	30	HEAD
				500	433	300	133	83	0	FLOW
MHPP-55	75 X 50	212	5 X 1440	6	10	12	14	15	10	HEAD
				750	417	500	250	83	0	FLOW
MHPP-170	75 X 50	160	7.5 X 2900	10	15	20	25	30	33	HEAD
				833	667	583	333	117	0	FLOW
MHPP-40	50 X 40	190	12.5 X 2900	25	30	35	40	45	50	HEAD
				667	584	500	415	167	0	FLOW
MHPP-55H	50 X 50	210	15 X 2900	30	35	45	50	55	60	HEAD
				1134	834	583	417	250	0	FLOW



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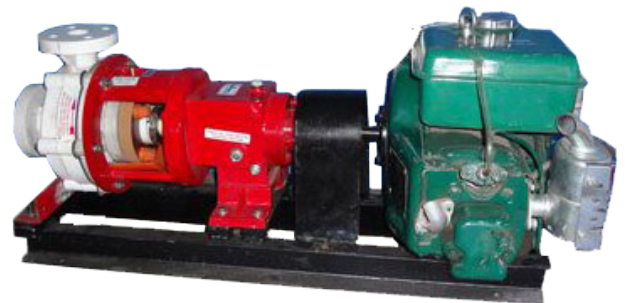
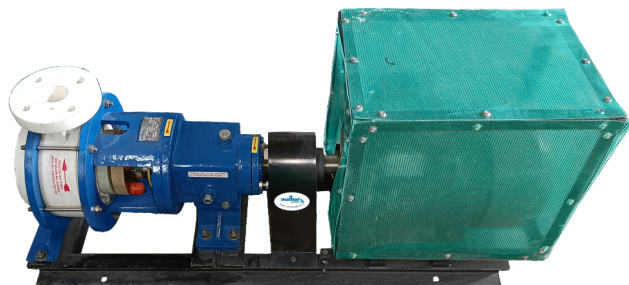
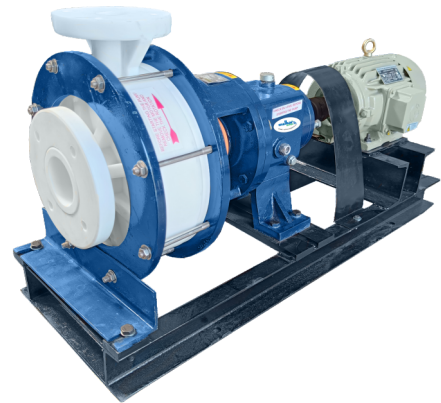
**HORIZONTAL POLYPROPYLENE BARE PUMP**



**HORIZONTAL POLYPROPYLENE MONOBLOCK PUMP**



**HORIZONTAL POLYPROPYLENE BARE PUMP WITH MOTOR**



Video Link : <https://www.youtube.com/watch?v=dQ4zCS0WPWc>  
<https://www.youtube.com/watch?v=vMELrAa5vF0>