

“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 Cl₂, Br, I, So₂, NH₃, F₂ 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 H₂SO₄ etc.
- **PHOSPHORIC Acid Plants :**
H₃PO₄, H₂SO₄, HF and their mixtures with or without solid (gypsum) up to 40% conc.
- **Gas Washing Plants :**
Scrubbed Liquids containing CL₂, BR₂, F₂, I₂, SO₂, SO₃, CO₂, NH₃, Gases etc. with solids replace Hast Alloy.
- **Rayon Plants :**
Spin bath solution (H₂SO₄, ZNSO₄, NaSo₄, 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 M³/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

