

## “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, I, 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

