

"MVGP" 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_2 , Br_2 , I_2 , SO_2 , NH_3 , F_2 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, H_2SO_4 etc. Other application are in metal refineries, pickling Installations, paper and fertilizer plants-in fact all chemical process industries.
- **Phosphoric Acid Plants :**
 H_3PO_4 , H_2SO_4 , HF and their mixtures with or without solid (gypsum) up to 40% conc.
- **Gas Washing Plants :**
Scrubbed liquids containing F, CL, SO_2
Ammonia gases etc. With solids replace hast alloy.
- **Rayon Plants :**
Spin bath solution (H_2SO_4 , $ZNSO_4$, $NASO_4$, etc.)

SALIENT FEATURES

- No mechanical seal, stuffing box and internal bearings is needed
- No maintenance since the pump can even run dry indefinitely as there is no packing, bushes or internal Bearings.
- Reduction of downtime production losses in view of above features.
- All the wet-end parts are in solid molded construction to with stand corrosion and erosion.
- The impeller is semi-open type and used in our all-vertical pumps to suit both clear and polluted fluids.
- Pump mounted outside the suction tank and is not submerged type.
- Polypropylene is manufactured by solid injection molding process with high pressure hence.

VERTICAL GLANDLESS PUMP



RANGE

PP 50° TO 80 ° C
PPH 90 ° TO 100 ° C
PVDF 100° TO 115°C

MATERIAL OF CONSTRUCTION

• CASING :

Top centerline discharge and integrated flanges, single piece, joint less casing formed out of Injection moulded polypropylene.

• IMPELLER :

Hydraulically balanced and accurately matched to casing profile, the semi open type impeller with practical shroud and glass finished smooth flow passage ensure high efficiency low NPSH performance Impeller made from compressor moulded U.H.M.W

• EXPLORER :

Made from U.H.M.W

• OVER FLOW BODY:

Heavy duty, one piece, joint less design made from compressor moulded U.H.M.W

SHAFT :

The shaft is made from SS 316 protected by shaft sleeve of U.H.M.W

MODEL	HP X RPM	PUMP SIZE	HEAD IN METERS											
			6	10	12	15	20	25	30	35	40	LPM DIA		
MVGP-25/1/2	1 X 2900	25 X 25	130	50	0	-	-	-	-	-	-	-	110 MM	
MVGP-40/2/4	2 X 1450	50 X 50	75	-	-	-	-	-	-	-	-	-	DISCHARGE IN LITRE PER MINUTE	
MVGP-40/2/2	2 X 2900	40 X 25	250	150	100	-	-	-	-	-	-	-		150 MM
MVGP-50/2/4	2 X 1450	50 X 40	266	183	-	-	-	-	-	-	-	-		130 MM
MVGP-50/3/4	3 X 1450	50 X 40	400	300	200	0	-	-	-	-	-	-	190 MM	
MVGP-50/3/2	3 X 2900	50 X 40	480	415	350	325	200	0	-	-	-	-	290 MM	
MVGP-50/5/2	5 X 2900	50 X 40	530	450	440	415	330	260	133	-	-	-	140 MM	
MVGP-75/5/4	5 X 1450	75 X 65	-	500	430	400	160	-	-	-	-	-	150 MM	
MVGP-75/10/2	10 X 2900	75 X 65	-	830	750	700	650	580	500	330	330	-	200 MM	
													190 MM	