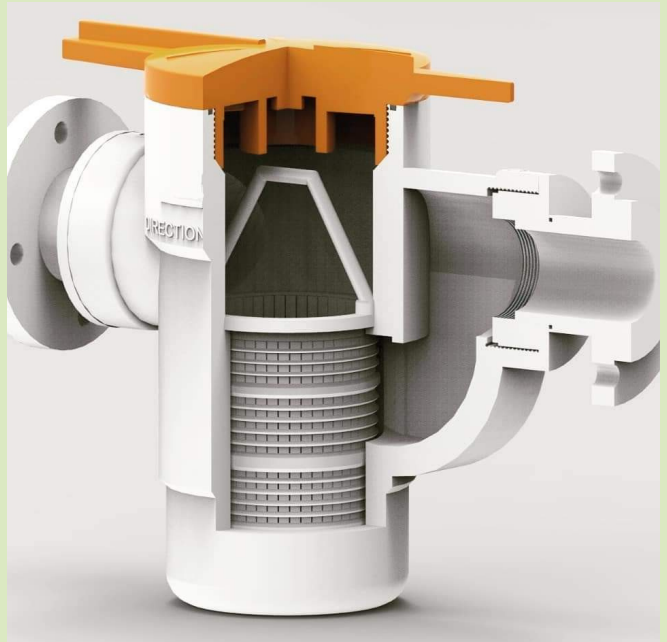




GS ENGINEERING



G S ENGINEERING
SF2/232 SHALIMAR GARDEN
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INTRODUCTION

We are supplier of chemical process Pumps and associated systems in different MOC, Which can handle your Acidic / Basic / Neutral / Alkaline / Solvent solutions. We are supplying our Pumps to many reputed Industries in different different applications.

Applications :- Our Pumps are used for Acid transfer to solvent transfer & Filter Press feeding to Descaling, Scrubbing, Water Treatment, Pickling etc.

INDUSTRIES SERVED

- Chemical Industries
- Pharmaceutical Industries
- Automobile Industries
- Pesticides Industries
- Steel Industries
- Textile Industries
- Sugar Industries
- Battery Industries
- Paper Industries
- Electroplating Industries
- Effluent Treatment Plants
- Power & Energy Sector
- Pigments & Food Dyes Stuffs

MISSION & VISION



MISSION

TO PROVIDE EVERY CUSTOMER HIGH
CLASS EQUIPMENT, PLANT &
MACHINERY

VISION

BE RECOGNISED AS A PREEMINENT
GLOBAL ENGINEERED -MATERIALS AND
SERVICE COMPANY THAT FULLY
ENGAGES OUR PEOPLE.



AREA OF EXPERTISE

**PUMPS (METALLIC & NON-METALLIC
AIR OPERATED DOUBLE DIAPHRAGM PUMPS (AODD)
SCREW PUMPS
BOOSTER PUMPS
SEWAGE PUMPS
WATER PUMPS
FILTER PRESS
VLVES (METALLIC & NON-METALLIC & ON-OFF CONTROL
VALVES)
PSA NITROGEN GAS GENERATORS
PSA OXYGEN GAS GENERATORS
AMMONIA CRACKER SYSTEM
DESICCANT BASED AIR DRYING SYSTEMS
REFRIGERATED AIR DRYER
AIR/GAS FILTRATION SYSTEM**



PP SERIES PUMP



DESIGN: – Horizontal, radically split, one piece volute casing design, fitted with a semi open impeller. Following standard of DIN 24256 / ISO 5199

MATERIAL OF CONSTRUCTION :-

Casing, Impeller, Back Plate: – PP / UHMWPE / PVDF

Shaft Sleeve: – Ceramic/Alloy-20/Hast Alloy B / C

Shaft: – SS-316/EN-9

SEALING OPTIONS: – External Mounted Seal /Internal Mounted Seal/ Gland Packing

:: PERFORMANCE CHART ::

MODEL NO .	SUCTION IN MM	DELIVERY IN MM	HP	RPM	HEAD IN METER						IMPELLER DIA IN MM
					FLOW IN M ³ / HR						
PP-100	25	25	01	2900	12 00	10 02	09 05	07 08	06 11	04 13	100
PP-120	40	32	02	2900	17 00	15 05	13 10	11 13	07 19	05 22	120
PP-130	40	32	03	2900	23 00	20 08	18 12	15 18	12 24	08 25	130
PP-130H	40	40	03	2900	28 00	25 05	21 10	17 16	14 21	09 26	145
PP-50 R	40	40	02	1440	12 00	10 05	10 10	09 15	08 20	07 25	195
PP-50	75	40	03	1440	15 00	13 05	12 15	11 25	10 32	05 35	205
PP-55	75	50	05	1440	16 00	15 05	14 16	12 35	10 45	06 50	205
PP-160 RL	40	40	02	2900	16 00	14 04	12 07	10 09	08 11	06 13	140
PP-160 R	40	40	03	2900	25 00	21 05	20 10	15 15	10 25	05 27	150
PP-160	75	40	05	2900	30 00	27 05	25 10	20 20	15 30	10 35	160
PP-170	75	50	7.5	2900	35 00	32 10	25 30	20 40	15 45	10 56	160
PP-40	50	40	12.5	2900	50 00	45 10	40 25	35 30	30 35	25 40	190
PP-500 L	50	50	03	1440	17 00	15 15	13 25	10 35	06 45	04 51	220
PP-500 H	50	50	15	2900	64 00	60 20	58 35	65 45	05 52	45 60	210

PVDF SERIES PUMP



DESIGN: – Horizontal, radically split, one piece volute casing design, fitted with a semi open impeller. Following standard of DIN 24256 / ISO 5199

MATERIAL OF CONSTRUCTION :-
 Casing, Impeller, Back Plate: – SOLID PVDF
 Shaft Sleeve: – Ceramic/Alloy-20/Hast Alloy B / C
 Shaft: – SS-316/EN-9

SEALING OPTIONS: – External Mounted Seal /Internal Mounted Seal/ Gland Packing

</

PPVG SERIES PUMP



DESIGN: – Horizontal, radically split, one piece volute casing design, fitted with a semi open impeller, single entry, single stage. Following standard of DIN 24256 / ISO 5199

MATERIAL OF CONSTRUCTION :-
 Casing, Impeller, Back Plate: – PP / PVDF / UHMWPE
 Shaft Sleeve: – Ceramic/Alloy-20/Hast Alloy B / C
 Shaft: – SS-316/EN-9

SEALING OPTIONS: – MECHANICL SEAL NOT REQUIRED AS PP EXPELLER PREVENTS LIQUID FROM GOING FURTHER UP CHANNELLIZING IT THROUGH THE OUTLET OF THE OVERFLOW CHAMBER.

MODEL NO .	SUCTION IN MM	DELIVERY IN MM	HP	RPM	HEAD IN METER						IMPELLER DIA IN MM
					FLOW IN M ³ / HR						
PPVG-100	25	25	01	2900	12 00	10 02	09 05	07 08	06 11	04 13	100
PPVG-120	40	32	02	2900	17 00	15 05	13 10	11 13	07 19	05 22	120
PPVG-160 R	40	40	03	2900	23 00	20 05	18 10	15 15	12 25	08 25	145
PPVG-160	75	40	05	2900	30 00	27 05	25 10	20 20	15 30	10 35	160
PPVG-170	75	50	7.5	2900	35 00	32 10	25 30	20 40	15 45	10 50	160
PPVG-40	75	40	12.5	2900	45 00	40 10	38 25	35 30	30 35	25 40	195

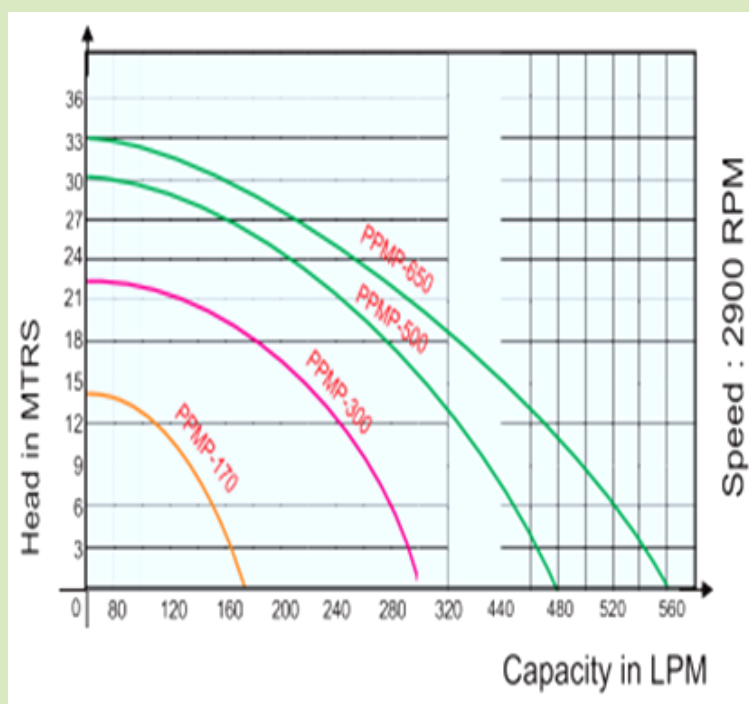
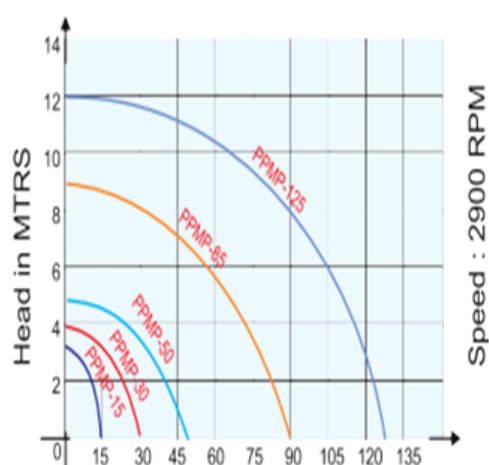
CENTRIFUGAL MAGNETIC PUMP



PPMP SERIES PUMP

PUMP MODEL	IN / OUT SIZE	Max. Capacity LPM	Max. Capacity LPM	Max. Head Mtrs	Motor HP	Full Load Current	Sp.Gr. Limit	Weight
PPMP-15	14 MM	15	2.5	0.10	0.15 Amps	Single	1.1	3 Kgs
PPMP-30	18 MM	30	4	0.16	0.20 Amps	Single	1.1	3.5 Kgs
PPMP-50	20 MM	50	5	0.25	0.50 Amps	Single	1.2	5 Kgs
PPMP-85	26 MM	85	9	0.50	1.00 Amps	Single / Three	1.2	8 Kgs
PPMP-125	26 MM	125	12	0.75	1.25 Amps	Single / Three	1.3	10 Kgs
PPMP-170	1" BSP	170	14	1.0	1.70 Amps	Three	1.3	12 Kgs
PPMP-300	1½" x 1 ¼"	300	22	1.5	2.40 Amps	Three	1.4	16 Kgs

Performance Curves



- All Pumps are rated for continuous duty with class E insulation
- Maximum operating Temp 70°C for PP, 120°C for PVDF & 250°C for SS-316
- Non Magnetic Pumps are available up to 5 HP.



PPIC SERIES PUMP



Series	Pump Size	Suction Size	Delivery Size	A	B	C	D	Flange Drilling As per ANSI-B-16.5 RF					
								Suction		Delivery		No	No
								PCD	Hole Size	PCD	Hole Size		
PPIC	32X25X130	32	25	100	125	75	315	85	16	79.4	16	4	4
	32X25X180	32	25	132	145			85	16	79.4	16		
	40X25X150	40	25	132	165	105	345	98.4	16	79.4	16		
	50X40X150	50	40					120.6	19	98.4	16		
	80X50X150	80	50					152.4	19	120.6	19		
	40X25X200	40	25					98.4	16	79.4	16		
	80X40X200	80	40					152.4	19	98.4	19		
	80X50X200	80	50					152.4	19	120.6	19		

PPSP SERIES PUMP

FULLY OPEN TURBINE TYPE HORIZONTAL SELF PRIMING PUMP

Material of Construction :-

CI, CS, SS-304, SS-304 L, SS-316, SS-316 L,
ALLOY-20, BRONZE, CD4MCU etc....



Fully Open Impeller for clear fluid transfer.

Low speed application (1450 RPM)

No additional cooling required as seal is cooled
by fluid inside the pump.

Trolley for Mobile application available.

Model No.	Size	H.P	R.P.M	Head Meters	02	05	10	15	20	25	30	35	40
PPSP-02	1"x1"	0.5	2800	Capacity LPM	36	31	27	23	18	13	08		
PPSP-03	1"x1"	1	2800		54	49	45	42	38	32	26	20	13
PPSP-40	1.5"x1.5"	2	1440		166	116	90	67	50	08			

PPAODD SERIES PUMP AIR OPERATED DOUBLE DIAPHRAGM PUMPS

FEATURES :

- No electrical motor required-non sparking
- No mechanical seal or gland packing
- The pumps can run dry indefinitely without damage.
- Safe for use in hazardous / explosive environments.
- Variable flow at different air pressure
- Self-priming from a dry start.
- Pressure up to 100 PSI (7 bar).
- Gentle non-shearing action.
- Quick assembly and disassembly.
- Can lift any thing from powder to viscous materials.
- Can be supplied on trolley for mobile operation.

APPLICATION

- Solvents
- Acids
- Caustics
- High Viscous Liquids
- Abrasive media
- Hazardous & Flammable Liquids



MATERIAL OF CONSTRUCTION :

Investment Cast CF8M (SS-316)
Aluminum
Polypropylene (PP)
Polypropylene Fluoride (PVDF)

PPAODD-150

Max Flow Rate : 40 Lpm
Port Size : Intel : 12.70 mm (½" BSP)
Discharge : 12.70 mm (½" BSP)
Air Inlet : 6.85 mm (¼" BSP)
Air Exhaust : 12.70 mm (½" BSP)
Suction Lift : Dry : 1.45 m (4.75')
Wet : 2.83 m (9.28')
Teflon : Dry : 0.50 m (1.64')
Wet : 0.90 m (2.95')
Max Particle Size (Dia) : 2 mm (0.078")
Best Suitable for Filter Press & Transfer.

PPAODD-400

Max Flow Rate : 270 Lpm
Port Size : Intel : 38.10 mm (½" BSP)
Discharge : 38.10 mm (1 ½" BSP)
Air Inlet : 9.64 mm (¾" BSP)
Air Exhaust : 12.70 mm (½" BSP)
Suction Lift : Dry : 4.57 m (15')
Wet : 7.62 m (25')
Teflon : Dry : 3.05 m (10')
Wet : 6.09 m (20')
Max Particle Size (Dia) : 4.76 mm (0.188")
Best Suitable for Filter Press & Transfer.

PPAODD-300

Max Flow Rate : 135 Lpm
Port Size : Intel : 25.40 mm (1" BSP)
Discharge : 25.40 mm (1" BSP)
Air Inlet : 9.53 mm (¾" BSP)
Air Exhaust : 12.70 mm (½" BSP)
Suction Lift : Dry : 3.05 m (10')
Wet : 4.89 m (16')
Teflon : Dry : 2.14 m (7')
Wet : 3.98 m (13')
Max Particle Size (Dia) : 3.17 mm (0.125")
Best Suitable for Filter Press & Transfer.

PPAODD-500

Max Flow Rate : 586 Lpm
Port Size : Intel : 50.80 mm (2" BSP)
Discharge : 50.80 mm (2" BSP)
Air Inlet : 12.70 mm (½" BSP)
Air Exhaust : 19.05 mm (¾" BSP)
Suction Lift : Dry : 4.57 m (15')
Wet : 7.60m (25')
Teflon : Dry : 3.05 m (10')
Wet : 6.09 m (20')
Max Particle Size (Dia) : 6.35 mm (0.250")

SCREW PUMPS

- Can handle high solid contents
- Self-Priming without foot valve
- Negative Suction up to 8m
- High Pressure & Efficiency



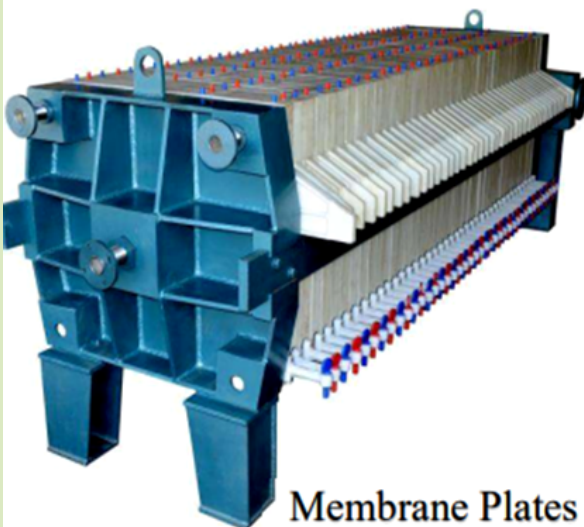
Barrel Pumps:

Available in PP / PTFE / SS-316

Types: Manual / Electric / Pneumatic

Metallic / Non-Metallic Valves:

- | | |
|-----------------------|---------------|
| 1. Ball Valves – | 15mm to 150mm |
| 2. Butterfly Valves – | 80mm to 300mm |
| 3. Diahragm Valves – | 15mm to 100mm |
| 4. NRV – | 15mm to 150mm |
| 5. Foot Valves – | 25mm to 150mm |
| 6. Sight Glass – | 15mm to 150mm |



Filter Presses for Solid-Liquid separation and dewatering processes. Available in :

- **Manual**
- **Semi-Automatic**
- **Fully Automatic**

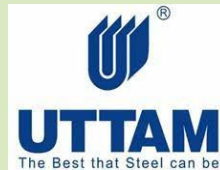
Membrane Plates & Pull Back Type Cylinder also available

SPARES & SEALS

All Types of Pump Spare & Mechanical Seal



CLIENTELE



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