

PP / PVDF PUMPS (POLY PROPLENE / POLY VINYLIDENE DI FLUORIDE PUMPS) :

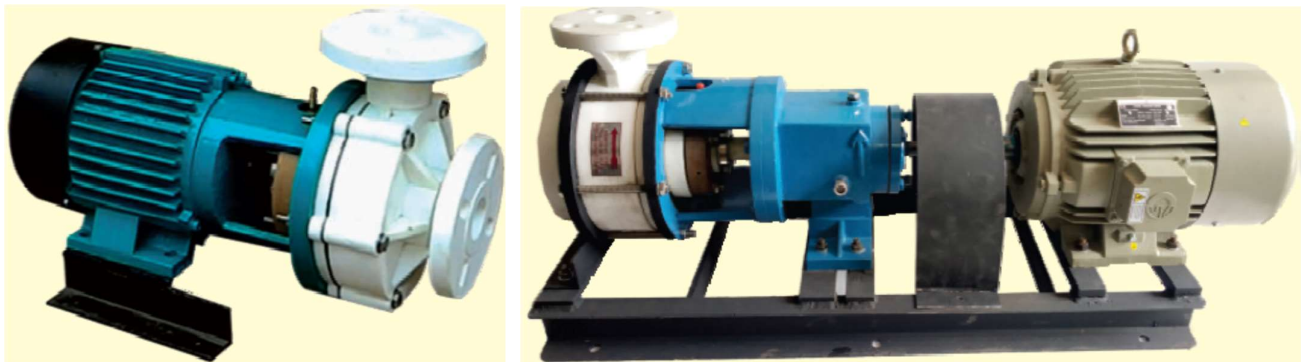
We are a company producing and supplying types of Industrial Pumps. We offer Poly Propylene (PP) pumps. We offer total pumping solutions to the requirements of Dairy, Food & Beverages, Chemical, Fertilizers, ETP, Oil Gas & Petrochemicals, Refineries, Drugs & Pharmaceuticals, Dyes & Intermediate Industries, etc,. Our quality Centrifugal PP Pumps are available in Horizontal as well as Vertical design.

Our range includes SS centrifugal pumps, C.I. centrifugal pump, PP / PVDF Horizontal / Vertical types of Centrifugal and other types Pumps...



PUMPS ARE RECOMMENDED FOR

- ★ **EXCELLENT FOR SCRUBBING CORROSIVE AND AGGRESSIVE GASES LIKE Cl_2 , BR_2 , I_2 , SO_2 , SO_3 , CO_2 , ETC.**
- ★ **USED IN TRANSFER OF CHEMICAL IN BATCH PROCESS**
- ★ **EXCELLENT FOR HANDLING CORROSIVE LIKE HCL, H_2SO_4 (DIL), NaOH, HNO_3 , H_3PO_4 NaCl ETC.**



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 from 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.

FLOW / HEAD CHART :

MODEL	SUCTION (MM)	DELIVERY (MM)	IMPELLER (MM)	HP	RPM	Capacity in M/Hr					
						Head in Meter					
ARE-100	25	25	100	01	2900	10 04	11 06	08 07	05 09	02 10	00 11.5
ARE-120	40	32	120	02	2900	22 05	19 07	13 11	10 13	05 15	00 17
ARE-130	40	40	150	03	2900	25 08	20 10	15 15	10 18	05 20	00 23
ARE-160R	40	40	15	03	2900	25 10	20 15	10 20	05 21	02 23	00 24
ARE-160	75	40	157	05	2900	35 10	30 15	20 20	10 25	05 27	00 29
ARE-170	75	50	160	7.5	2900	55 10	45 15	40 20	30 25	10 30	00 33
ARE-40	50	40	190	12.5	2900	40 25	35 30	30 35	25 40	10 45	00 50
ARE-50R	40	40	19	02	1440	24 08	20 8.5	15 09	10 10	0.5 10.5	00 11
ARE-50	75	40	20	03	1440	32 10	25 11	15 12	05 13	00 14	00 00
ARE-55	75	50	21	05	1440	50 10	45 10	35 12	16 14	0.5 15	00 15.5

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 RESISTANCE

- PP 50 TO 60c
- PPH 90 TO 100c
- PVDF 100 TO 115c
- **Temperature** : up to 115 c

APPLICATION OF POLY PROPYLENE PUMPS

- Water treatment Plant
- Effluent Treatment Plant
- Filter Press for dyes and Chemicals Plants
- Fertilizer Plants Thermal and atomic power Plants
- Drugs & Pharmaceutical Industries
- De-scaling 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 mixture with or without solid (gypsum) up to 40% conc.
- Gas Washing Plants: Scrubbed Liquids containing Cl₂, Br₂, F₂, I₂, So₂, So₃, Co₂, Nh₃, Gases tec. with solids replace Hast Alloy.
- Rayon Plants: Spin bath solution (H₂SO₄, ZNSO₄, NASO₄ etc.)
- Electro Plating Plants
