



## NON-METALLIC CENTRIFUGAL & VERTICAL PROCESS PUMP



PP Monoblock Pump



PP Pump



PP & PVDF Vertical Pump

### SPECIFICATIONS

#### PP & PVDF Monoblock Pump

- Capacity : Max 30 m<sup>3</sup>/Hr
- Head : Max 30 Meter
- HP : 0.5 to 5 HP
- RPM : 2900 / 1440



PVDF Monoblock Pump



PVDF Pump

### FEATURES

- Pumps are made of Solid PP/PVDF Components.
- There is no Lined Components.
- Suitable for corrosive duties in the Process and Chemical Industries.
- Can Work Continuously.
- Self Venting type Casing.
- Dynamically and Hydraulically balanced Impeller with Aerodynamic Profile vanes.
- PP Temperature Range is upto 70 Deg C
- PVDF Temperature Range is upto 150 Deg C

### FEATURES OF VERTICAL PP & PVDF PUMP

- Vertical Pumps are Customized Made according to customer Requirements.
- Easy to Install
- We give with Coupling design for Easy Maintenance.
- No Seal, No Gland Packing
- AERON Pump is suitable to Handle Acids, Organic Chemicals, ETP, STP, Pickling, Scrubber, Polymers, Etc



Manufacturing and Supplying Wide Range of Industrial Pumps and Industrial Products

## DESIGN

Horizontal, Radically Split, One Piece Volute Casing Design, Fitted with Semi Open Impeller, Single Entry Single Stages.  
Following Standards of PIN 24256/ ISO 5199.

## MATERIAL OF CONSTRUCTION

	Polypropylene Pump	PVDF Pump
<b>Casing:</b>	Moulded PP	Moulded PVDF
<b>Impeller:</b>	Moulded PP	Moulded PVDF
<b>Backplate:</b>	Moulded PP	Moulded PVDF
<b>Shaft:</b>	En-08/SS	En-08/SS
<b>Sleeve:</b>	Ceramic	Ceramic
<b>Housing:</b>	Cast Iron	Cast Iron

## PP BARESHAFT PUMP PERFORMANCE TABLE

Sr No.	Model	Q= m3/hr& H=meter												Shut off head in meter
		HP	RPM	Suc x Dis	Imp Dia	Q	0	1	2	3	4	5	6	
1	NMP-22-100H	1	2900	25x25	100	Q	0	1	2	3	4	5	6	14
						H	14	13.5	13	12.5	12	10	7	
2	NMP-44-120H	2	2900	40x40	120	Q	0	5	7	10	12	15	17	18
						H	18	16	15.5	15	13	10	7	
3	NMP-34-130H	3	2900	40x32	130	Q	0	5	7	10	12	15	18	25
						H	25	22	20.5	18	16	14	11	
4	NMP-44-150H	3	2900	40x40	150	Q	0	5	7	10	12	15	18	25
						H	25	20	18	16.5	15	14	10	
5	NMP-47-160H	5	2900	75x40	160	Q	0	5	10	15	20	25	32	33
						H	33	31	30	27	23.5	20.5	17	
6	NMP-44-190L	2	1400	40x40	190	Q	0	5	10	15	20	25	27	14
						H	14	13	12.5	12	10.6	11	10	
7	NMP-47-210L	3	1400	75x40	210	Q	0	7	12	17	23	28	34	15
						H	15	13.6	12.5	11.6	11	10	7	
8	NMP-57-210L	5	1400	75x50	210	Q	0	10	20	30	40	50	52	16
						H	16	15	13.7	12	11	7.6	7	
9	NMP-57-170H	7.5	2900	75x50	170	Q	0	10	20	30	40	50	60	37
						H	37	35	33	30	27	22	15.5	
10	NMP-45-190H	12.5	2900	50x40	190	Q	0	5	10	20	30	40	44	50
						H	50	47	45	41	37	30	24	
11	NMP-55-220L	5	1400	50x50	220	Q	0	5	11	16	22	31	40	18
						H	18	17	16	15.5	15	13	11	
12	NMP-55-210H	15	2900	50x50	210	Q	0	10	20	30	40	50	60	61
						H	61	60	58	55	51	48	42	



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## PVDF BARESHAFT PUMP PERFORMANCE TABLE

Sr No.	Model	Suction in MM	Discharge in MM	HP	RPM	Head in Meters						Impeller dia in MM
						Flow in M3/Hr						
1	PVDF-100	25	25	1	2900	12	10	9	7	6	4	100
						0	2	5	8	11	13	
2	PVDF-120	40	32	2	2900	17	15	13	11	7	5	120
						0	5	10	13	19	22	
3	PVDF-130	40	40	3	2900	23	20	18	15	12	8	150
						0	8	12	18	24	25	
4	PVDF-195L	40	40	2	1440	12	11	10	9	8	7	195
						0	5	10	15	20	25	
5	PVDF-205L	75	50	5	1440	16	15	14	12	10	6	205
						0	5	16	35	45	50	
6	PVDF-160	75	40	5	2900	30	27	25	20	15	10	160
						0	5	10	20	30	35	
7	PVDF-170	75	50	7.5	2900	37	33	30	27	22	15.5	170
						0	20	30	40	50	60	
8	PVDF-190	50	40	12.5	2900	50	45	40	35	30	25	190
						0	10	25	30	35	40	
9	PVDF-220L	50	50	3.0	1440	17	15	13	10	6	4	220
						0	15	25	35	45	51	
10	PVDF-210	50	50	15.0	2900	64	60	58	55	50	45	210
						0	20	35	45	52	60	

## APPLICATION

- For Handling Liquids in Various Industries Like Textile, Paper, Cellulose, Sugar, Steel, Food, Having Wide Temperature Range & Fluid Etc....
- Ideal for Circulation of Chemical In metal finishing industry.
- Natural Choice for Picking line & Scrubber in Steel Plants.
- High Capacity Transfer Pump, Filter Press for Dyes & Chemicals, De-Scaling, Oil & Other Fuels.
- Water Treatment Plant, Effluent Treatment Plant, Electro Plating, Pickling & Steel Rolling Mills.
- Excellent for Transfer and Loading - Unloading like HCL, Sulphuric Acid, Alkaline, Caustic Lye Etc.
- Scrubbing of Corrosive gases Like NH3, CO2, SO3, So2, I2, F2, Br2, Cl2, Etc.



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