Plastico®

PVDF SERIES

PVDF PUMPS

Application

- Water treatment plant, Effluent treatment plant, Electro plating, Pickling & Steel rolling mills.
- Excellent for transfer and loading - unloading like HCL, Sulphuric Acid / Alkali, Caustic liquid. Scrubbing of corrosive gases like NH3, CO2, SO3, SO2, I2, F2, Br2, Cl2, etc...
- For handling liquids In various industries like Textile, Paper, Cellulose, Sugar, Steel, Food, Having wide temperature ranges of Materials, etc...
- Ideal for circulation of chemical in metal finishing industry.
- Natural choice for pickling line & scrubber in steel plants.
- High capacity transfer pump, filter press for Dyes & Chemicals, De-scaling, Oil & other fuels.

Features :

- Pump are made of soild PVDF components.
- There are no lined components. Designed to suit extremely corrosive duties in the Process and Chemical industries.
- Suitable for continuous service.
- Self venting type casing.
- Dynamically and hydraulically balanced impeller with aerodynamic profile vanes.
- Pump casing is provided with external metal ring for construction stability.
- Temp. range is up to 120°C.

Material Introduction

The fluorinated polymers are widely appreciated for their remarkable chemical inertness and their excellent resistance to aging.

Polyvinylidene fluoride offers the specific advantage of easy processing in accordance with all the conventional methods used in the plastic industry.

PVDF, polymerized according to its own special process, offers a high degree of crystalline to that by other processes, resulting among other things in superior thermo mechanical properties.

Chemically inert to most acids, aliphatic and aromatic organic compounds, chlorinated solvents, alcohols, etc.

Material of Construction

Casing, Impeller, Back Plate	:	SOLID PVDF
Shaft Sleeve	:	GRP / Ceramic / ALLOY-20 / Hast Alloy B/C
Bearing Bracket	:	C.I. GRFG-26
Shaft	:	SS / EN 9
Bearings	:	Double ball bearing

Sealing Options :

Externally mounted mechanical seal
Internal mechanical seal
Gland packing

Operationg Data :

Capacity	:	up to 39 m^3/hr
Head	:	up to 30 mtrs.
Temperature	:	up to 110° C
Speed	:	up to 3500 RPM
Pressure	:	up to 3 kg/cm^2

:: PERFORMANCE CHART ::

MODEL NO .	SUCTION IN MM	DELIVERY IN MM	HP	RPM	HEAD IN METER / FLOW IN M^3/ HR						IMPELLER DIA IN MM
PVDF-100	25	25	01	2900	12 00	10 02	09 05	07 08	06 11	04 13	100
PVDF-120	40	32	02	2900	17 00	15 05	13 10	11 13	07 19	05 22	120
PVDF-130	50	40	03	2900	23 00	20 08	18 12	15 18	12 24	08 25	150
PVDF-160	75	40	05	2900	30 00	27 05	25 10	20 20	15 30	10 35	160

Note : Performance applicable to liquid of specific gravity 1 and viscosity as of water.