

TURBINE PUMPS

PTM / PTM-SP Series

PTM regenerative turbine pumps avoid oversized centrifugals with excessive by-pass and power requirements. Exotic alloy gear pumps designs, often result in rapid corrosion and wear, leading to costly replacements. PTM non-metallic turbine designs have excellent chemical resistance and extremely low wearing characteristics. Variation in head have minimal effect on the flow of a turbine pump. Also, turbine pumps can be throttle to a required duty point without by-passing.

Exclusive solid machined casing made of PP or PVDF.

Oversized, high purity ceramic shaft, Silicon Carbide option.

Self-balancing impeller eliminates thrust bearing wear.

Handles up to 20% entrained gas.

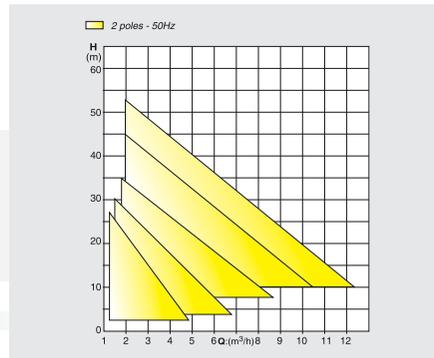
Separate impeller minimizes maintenance costs.

Self priming models, series PTM-SP, are capable to lift corrosive liquid up to 5 mt without the need of a foot valve and with empty suction pipe. Ideally for underground tanks transferring and truck unloading.

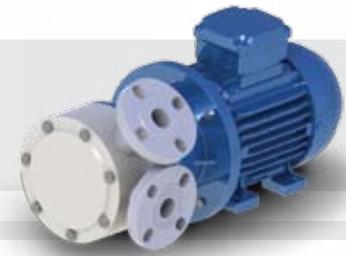
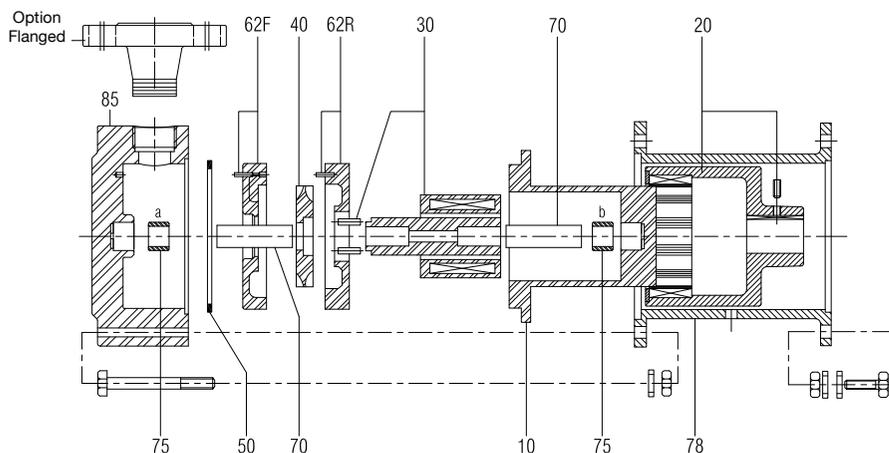
All pumps are manufactured in accordance with the current CE-Standard

**** Explosion proof models according to ATEX directive, category II are also available. *****

Discharge nozzles	3/4" up to 1 1/2"
Poles	2
Capacity [m ³ /h]	up to 13
Head [m]	up to 55
Max. Pressure (Bar)	10
Max. Temper. (°C)	100



SECTIONAL DRAWING



FEATURES

- Single stage regenerative turbine pumps
- Performances and Dimensions: our standard PN 10
- Models: 2,5x up to 3x10
- Threaded nozzles. option Flanged
- Low Flow, High Head, Entrained gases
- No metal in contact with pumped liquid
- Machined from solid block

MATERIALS

- Techno-polymers: PP - PVDF

APPLICATIONS

- Electroplating and galvanic systems
- Electronics systems
- Laboratories
- Filter units
- Water treatment (Chlorine dioxide)
- Transfer of strong acids

ref	DESCRIPTION	MATERIAL
10	Rear Casing	PP or PVDF
20	Ext. Magnet	Neodym./Steel
30	Int. Magnet	PP or PVDF/Neodym.
40	Impeller	PVDF
50	O-Ring 4362	EPDM or Viton
62F	Front Ring	PP or PVDF
62R	Rear Ring	PP or PVDF
70	Shaft	Ceramic
75	Bearings	PTFEC
78	Bracket	PP
85	Pump Head	PP or PVDF