

# CENTRIFUGAL PUMPS

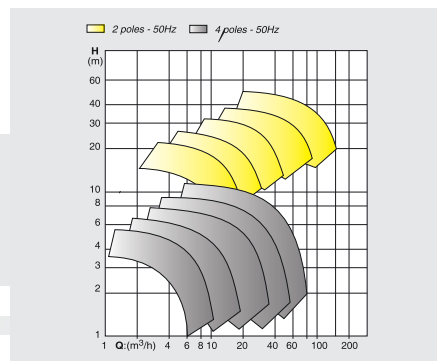
## PCM / PCM-SP Series

Pumps of the PCM series are single stage centrifugal magnetic drive pumps. Pump casings with heavy wall thickness, machined from solid blocks of PP and PVDF. No metallic parts in contact with the pumped liquid. PCM and PCM-SP magnetically coupled are available with compact design, close coupled for standard, off the shelf, IEC and NEMA motors. All pumps are equipped with high purity 99,7% Alumina Oxide shaft and thrust bearings, option Sintered Silicon Carbide. Sleeve bearings are made of PTFEC for long life and excellent chemical resistance, option Silicon Carbide. O-rings in EPDM, VITON or FEP. Self priming models, series PCM-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	32 up to 80	
Poles	2	4
Capacity [m <sup>3</sup> /h]	1-140	1-80
Head [m]	4 - 45	1 - 11
Max. Pressure (Bar)	10	
Max. Temper. (°C)	100	



### FEATURES

- Single stage centrifugal pumps
- Performances and Dimensions: our standard PN 10
- Flanged nozzles
- Models: 3 x12 up to 8x18
- High Flow
- No metal in contact with pumped liquid
- Machined from solid block

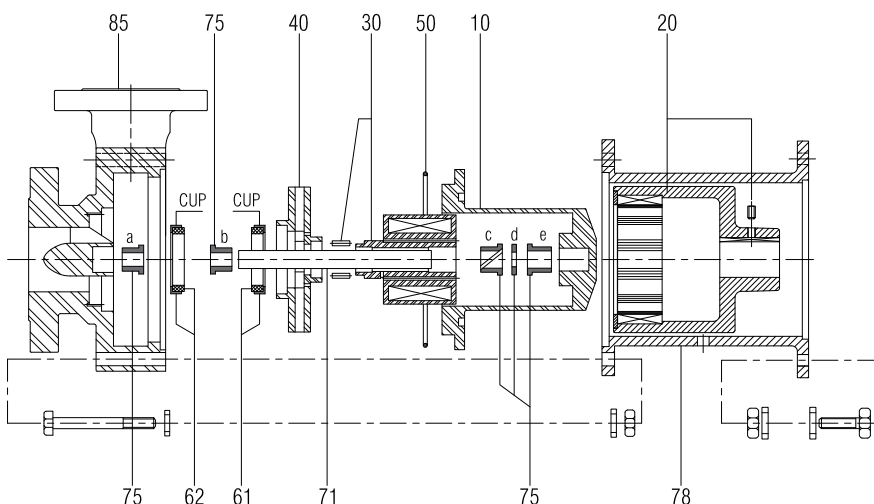
### MATERIALS

- Techno-polymers: PP- PVDF

### APPLICATIONS

- Chemical plants
- Pharmaceutical
- Food processing
- Laboratories
- Transfer of solvents and alkalis
- Refrigerants

### SECTIONAL DRAWING



ref	DESCRIPTION	MATERIAL
10	Rear Casing	PP or PVDF
20	Ext. Magnet	Neodym./Steel
30	Int. Magnet	PP/Neodym.
40	Impeller	PP or PVDF
50	O-Ring 4525	EPDM or Viton
61	Imp. Front Thr. Brg+Cup	PTFEC
62	Casing Thrust Brg + Cup	Ceramic
71	Shaft	Ceramic
75	Bearings	PTFEC
78	Bracket	Cast Iron
85	Pump Head	PP