

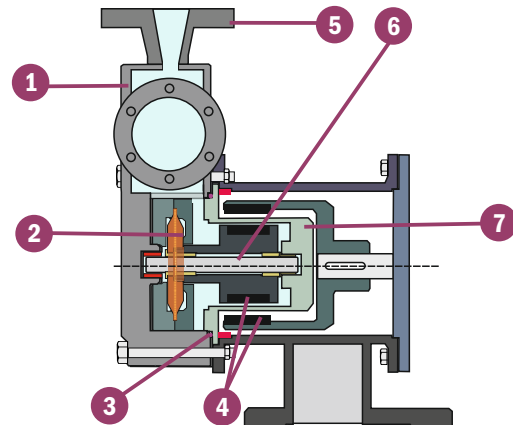


## Turbine Pumps

### PTM-SP Range Magnetically Driven Self Priming Pumps

#### DESIGN SUMMARY

<b>Standards</b>	ISO 9001
<b>Configuration</b>	Close coupled
<b>Motors</b>	IE2, IE3
<b>Seal Type</b>	Magnetic Drive



#### SPECIFICATIONS

<b>Maximum Temp</b>	80 °C
<b>Minimum Temp</b>	-40 °C
<b>Max Flow</b>	10 m <sup>3</sup> /hr
<b>Max Head</b>	50 m
<b>Max Pressures</b>	10 bar total system
<b>ATEX</b>	Yes

#### MATERIALS

	Standard	Options
<b>Rear Casing</b>	PP	PVDF
<b>Front Casing</b>	PP	PVDF
<b>Impeller</b>	PP	PVDF
<b>Shaft</b>	SiC	
<b>Bearings</b>	PTFE	SiC
<b>O Ring:</b>	EPDM	Viton, FEP
<b>Magnets</b>	Neodymium	

#### DESIGN FEATURES

PTM-SP pumps are peripheral turbine pumps designed for low flow high head applications and directly replace Caster MT pumps.

- 1 Thick wall housings machined from solid block polypropylene or PVDF.
- 2 Peripheral turbine that requires a low NPSH and can pump liquids with 20% entrained gases.
- 3 Viton, EPDM or FEP O rings.
- 4 Powerful rare earth Neodymium magnets.
- 5 BSP, NPT, PN10, PN16 or ANSI 150 connections
- 6 SiC shaft with PTFE bearing as standard to give improved chemical and mechanical resistance.
- 7 Secondary carbon fibre containment shell on sizes above 2.5 x 6.5 as standard and option on smaller sizes.

The PTM pumps are supplemented by the standard PTM range and STM stainless steel turbine pumps.



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## PTM-SP Performance Curves

2950 rpm

