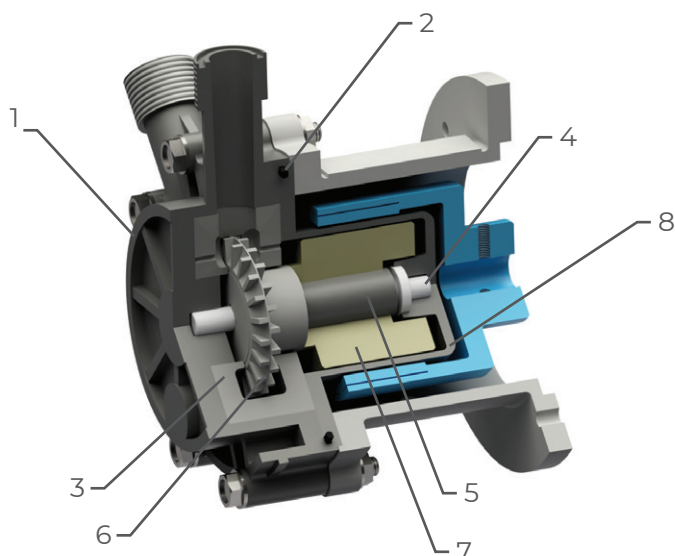


MAG-DRIVE TURBINE PUMPS

SEAL-LESS MAG DRIVE TURBINE PUMPS

In seal-less magnetic drive turbine pumps, the external magnet is directly connected to the motor shaft and it transmits the torque to the internal magnet. The magnetic field created produces a rotation without physical contact between the parts and the turbine spins and moves the fluid. The rear casing is placed between the two magnet joints and it hermetically closes the hydraulic part from the motor.



GemmeCotti supplies three different models of mag drive turbine pumps:

HTT PP/PVDF

- Thermoplastic pumps made of PP or PVDF.
- Capacity up to 9 m³/h.
- Head up to 48 mlc.

HTT-SP PP/PVDF

- Thermoplastic pumps made of PP or PVDF.
- Capacity up to 6 m³/h.
- Head up to 24 mlc.
- Machined from a block.
- Self-priming up to 5 m.

HTA AISI 316

- Metallic pumps made of stainless steel AISI 316.
- Capacity up to 7 m³/h.
- Head up to 76 mlc.

PART NUMBER - DESCRIPTION	MATERIALS IN CONTACT WITH THE LIQUID		
	TURBINE PUMPS		
	HTT	HTT-SP	HTA
1 - PUMP HEAD	PP or PVDF	PP or PVDF	AISI 316
2 - O-RING	EPDM or VITON	EPDM or VITON	EPDM or VITON
3 - FRONT AND REAR DISC	PP or PVDF	PP or PVDF	PTFEC
4 - SHAFT + RING	CERAMIC Al ₂ O ₃ 99,7%	CERAMIC Al ₂ O ₃ 99,7%	HASTELLOY-C 276
5 - BEARING	PTFEC	PTFEC	PTFEC
6 - IMPELLER	PVDF	PVDF	AISI 316
7 - INTERNAL MAGNET	PP or PVDF + NdFeB	PP or PVDF + NdFeB	AISI 316 + SmCo
8 - REAR CASING	PP or PVDF	PP or PVDF	AISI 316