ADM 4 Magnetic Drive Pumps

Features

Mag drive centrifugal pumps series ADM 4 PP/PVDF are made of thermoplastic materials (Polypropylene and PVDF) and are suitable for high corrosive liquids. Thanks to the innovative mag drive system, pumps model ADM 4 PP/PVDF reduce the risks of losses and the maintenance costs. The transmission of the motion occurs through magnetic joints without using mechanical seals. This guarantees the maximum safety and efficiency.

Technical data

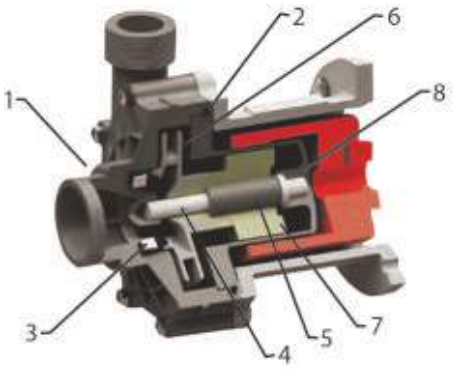
Constartion materials	PP - PVDF
Max Capacity	3.5 m3/h
Max Head	7 m
Max Temperature	PP 60°C , PVDF 90°C
Max viscosity	200 cSt
Intake / Delivery connections	1 '' (F) x 1/2'' (M)
Pump weight without motor	PP 1.0 kg, PVDF 1,1 Kg
Pump weight with motor	PP 4,3 Kg, PVDF 4,4 Kg
Motor	0.16HP 380V/3/50Hz 2800 RPM

ADM magnetic drive pumps

Design of magnetic drive centrifugal pumps

Magnetic drive centrifugal pumps have a particular seal-less design that is suitable to pump corrosive and dangerous liquids thanks to the high chemical resistance and absence of leakage and emissions. The structure is really simple so that the pump requires low maintenance cost with consequent economy in terms of repairing and spare part costs during the pump life.

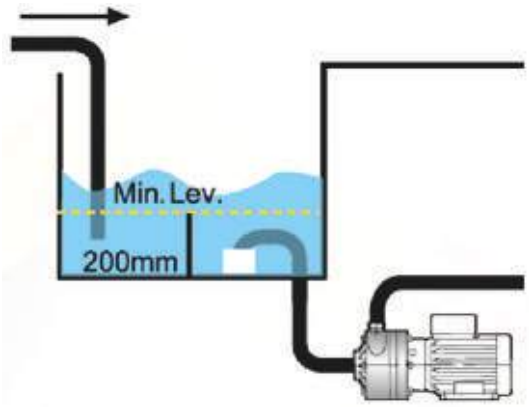
The external magnet is directly connected to the motor shaK and it transmits the torque to the internal magnet. The magnetic field created produces a rotation without physical contact between the parts so the impeller spins and moves the fluid. The rear casing is placed between the two magnet joints and it hermetically closes the hydraulic part from the motor.



POS	DESCRIPTION	MATERIAL
1	PUMP HEAD	PP or PVDF
2	O-RING	EPDM or VITON
3	CASING THRUST BUSH	CERAMIC Al_2O_3 +EPDM or VITON
4	SHAFT	CERAMIC Al_2O_3 99.7%
5	BEARINGS	PTFEC
6	IMPELLER	PP or PVDF
7	INTERNAL MAGNET	PP or PVDF + NdFeb
8	REAR CASING	PP or PVDF

Installation

ADM Magnetic drive Centrifugal pumps should be installed with the shaK positioned horizontally in a positive suction head arrangement. Suitable devices should be fitted to prevent dry running and the formation of a vortex and possible air suction. ADM Magnetic drive centrifugal pumps should only operate whilst filled. Running dry or with bubbles can cause damage .



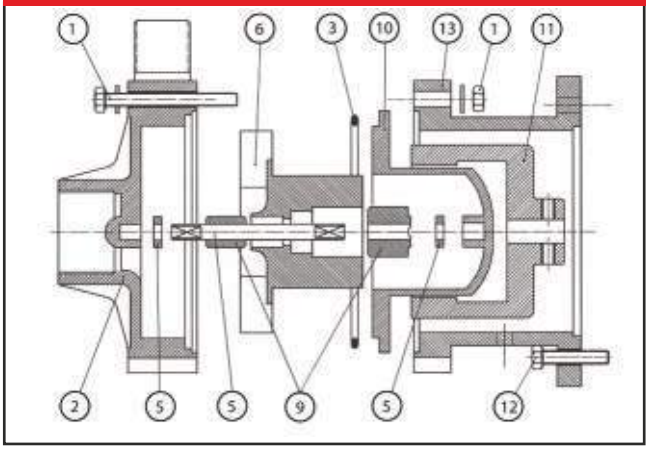
Application sectors

Chemical Industry, Galvanic & electronic Industry, Water Treatment Industry, Automotive

AUTOMOTIVE
CHEMICAL INDUSTRY
WATER AND SLUDGE TREATMENT
GALVANIC AND ELECTRONIC INDUSTRY

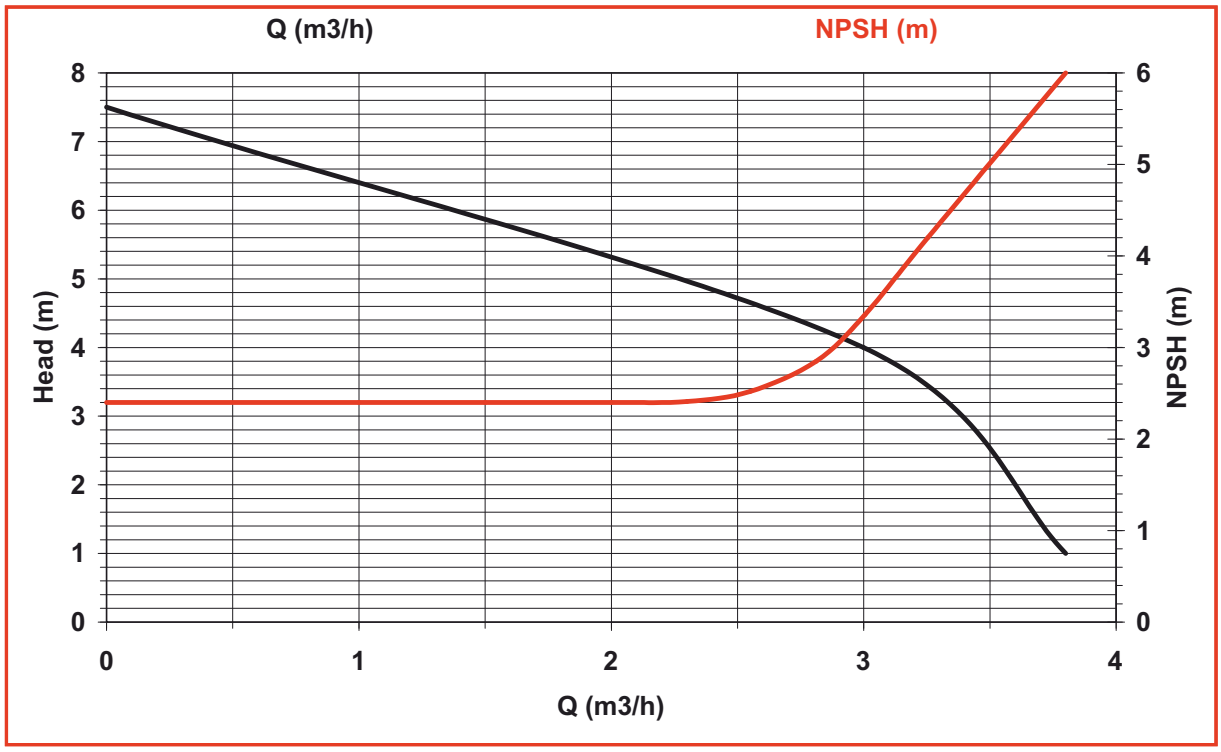
ADM series section & spare part list

ADM 4

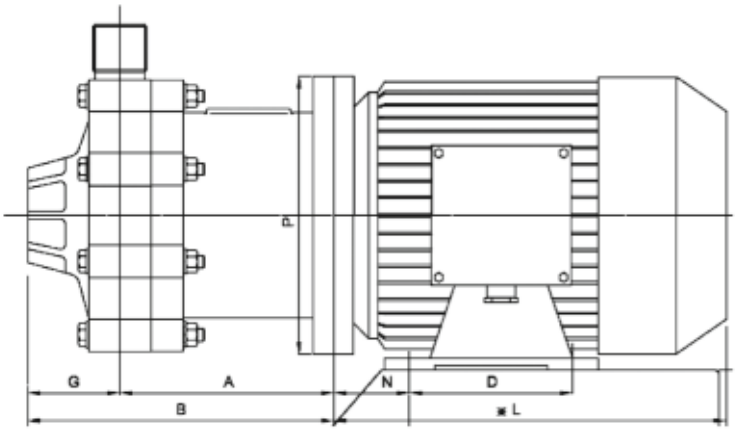


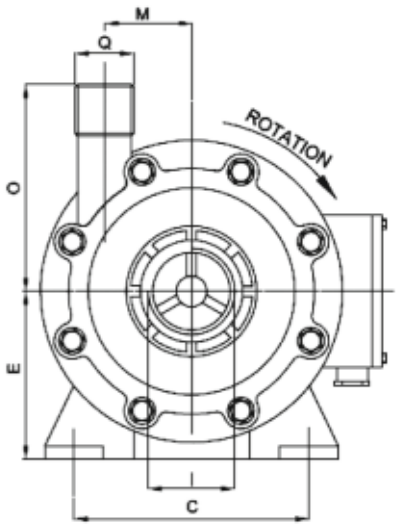
POS	PART. DESCR.	MATERIALS
1	SET SCREWS	AISI 304
2	PUMP CASING	PP - PVDF
3	O-RING	EPDM / VITON
5	SHAFT + RING	Ai_2O_3
6	INTERNAL ROTATING KIT	PP/PVDF
9	BEARING	PTFEC
10	REAR CASING	PP - PVDF
11	EXTERNAL MAGNET	C40 NeFeb
12	SCREWS	AISI 304
13	BRACKET	PP

Performances



Dimensions





Pump Type	Motor Flange B3-B5	Kw	Dimensions -mm-														
			A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q
ADM 4	56	0.12	76	115	90	71	56	- -	39	- -	1" FEMALE	176	36	34	80	120	1/2" MALE

ADM
Magnetic Drive pump

ADM 4 Magnetic Drive Pumps

AlphaDynamic PUMPS

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