ADM 40 Magnetic Drive Pumps

Features

Mag drive centrifugal pumps series ADM 40 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 40 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

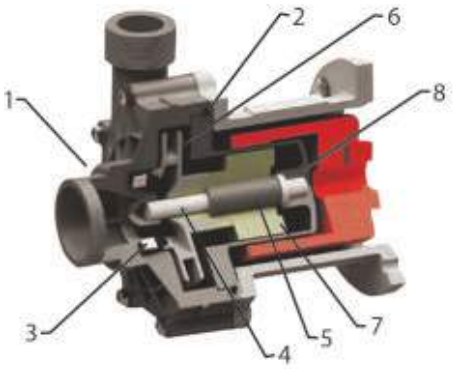
Constartion materials	PP - PVDF
Max Capacity	42 m^3/h
Max Head	31 m
Max Temperature	PP 60°C , PVDF 90°C
Max viscosity	200 cSt
Pump weight without motor	PP 19 Kg, PVDF 21 Kg
Pump weight with motor 4.0 HP	PP 42 Kg, PVDF 44 Kg
Pump weight with motor 5.5 HP	PP 50 Kg, PVDF 52 Kg
Motor	4.0 HP 380V/3/50Hz 2800 Rpm 5.5 HP 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.

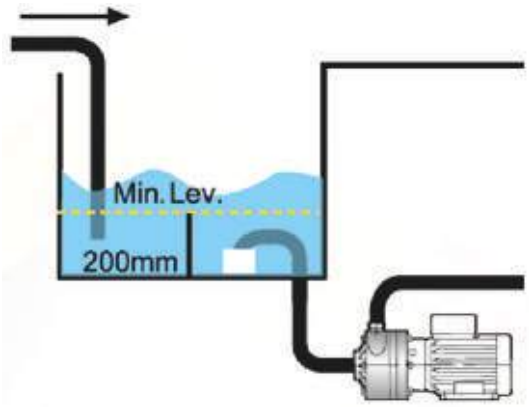
The external magnet is directly connected to the motor shaK and it transmits the torque to the internal magnet. The magnetic field created produces a rotation without physical contact between the parts so the impeller spins and moves the fluid. The rear casing is placed between the two magnet joints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



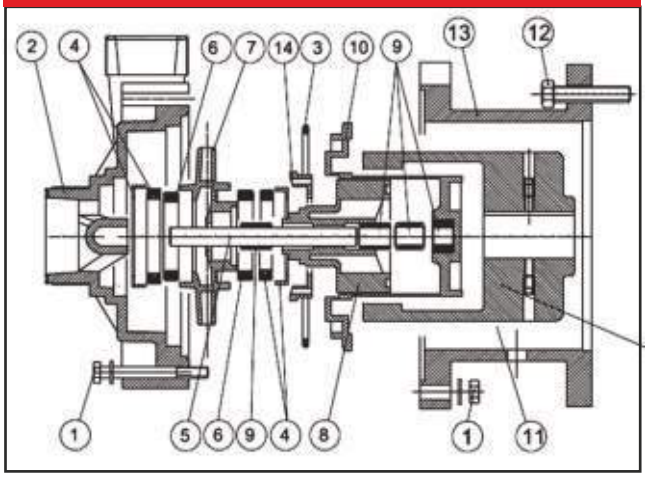
Application sectors

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 40

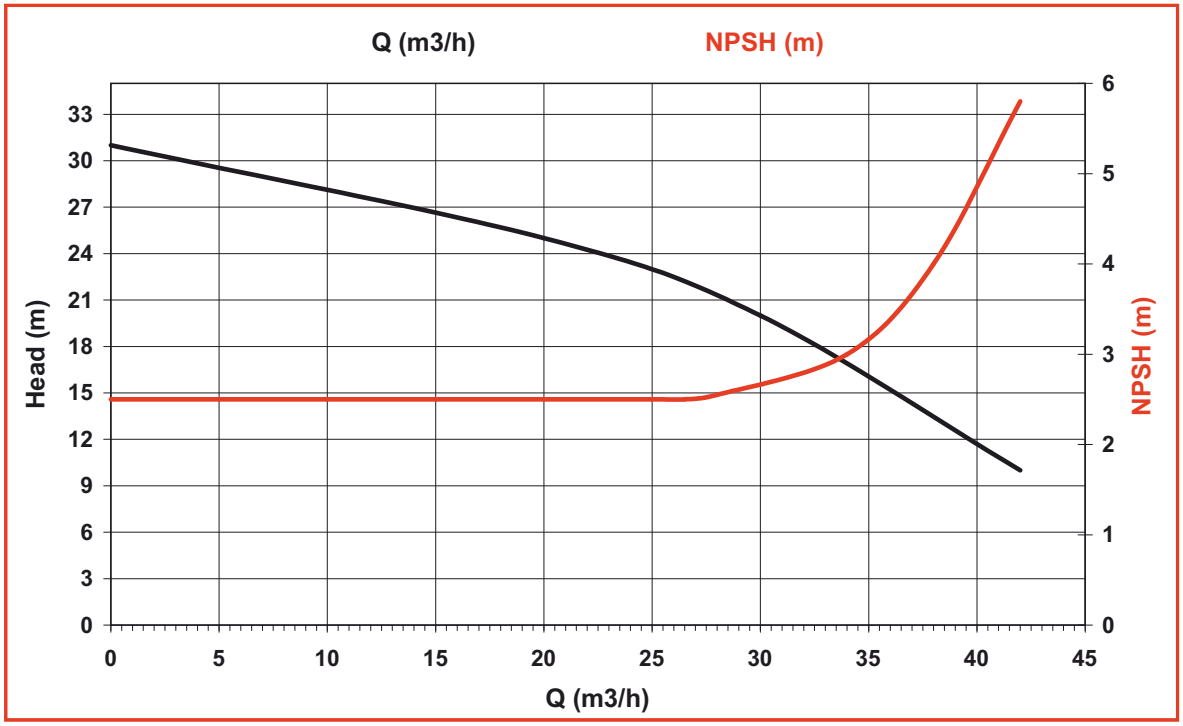


POS	PART. DESCR.	MATERIALS
1	SET SCREWS	AISI 304
2	PUMP CASING	PP - PVDF
3	O-RING	EPDM / VITON
5	SHAFT + RING	Ai_2O_3
6	INTERNAL ROTATING KIT	PP/PVDF
9	BEARING	PTFEC
10	REAR CASING	PP - PVDF
11	EXTERNAL MAGNET	C40 NeFeb
12	SCREWS	AISI 304
13	BRACKET	PP

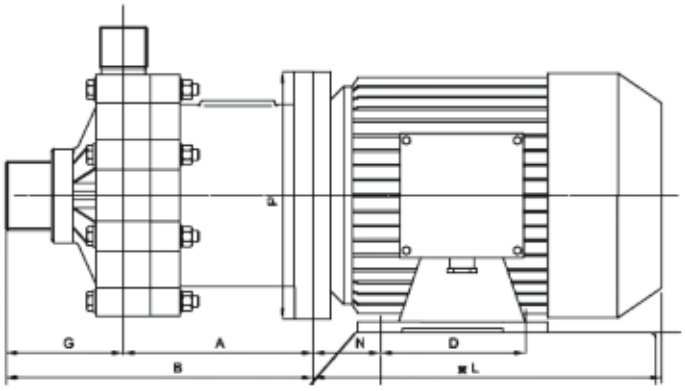
ADM
Magnetic Drive pump

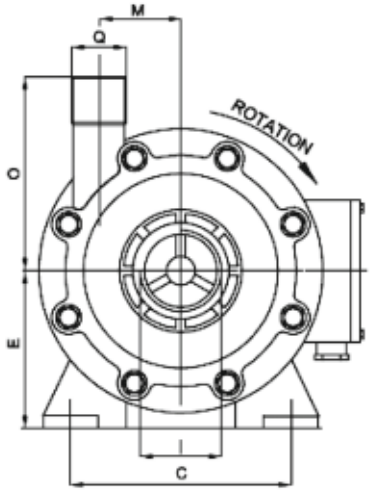
ADM 40 Magnetic Drive Pumps

Performances



Dimensions





Pump Type	Motor Flange B3-B5	Kw	Dimensions -mm-														
			A	B	C	D	E	F	G	Hs	Hd	I	L	M	N	O	P	Q
ADM 40	100L	3	228	280	160	140	100	40	52	50	10	3" MALE	315	82,5	63	180	250	2 ½ " MALE
ADM 40	112L	4	228	280	190	140	112	40	52	50	10	3" MALE	325	82,5	70	180	250	2 ½ " MALE

ADM
Magnetic Drive pump

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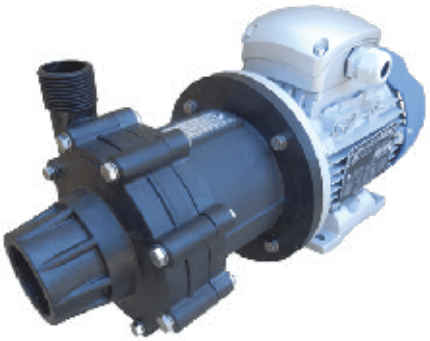

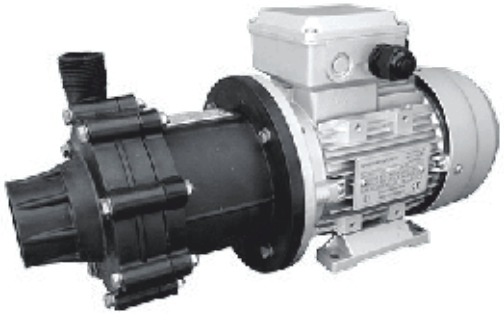

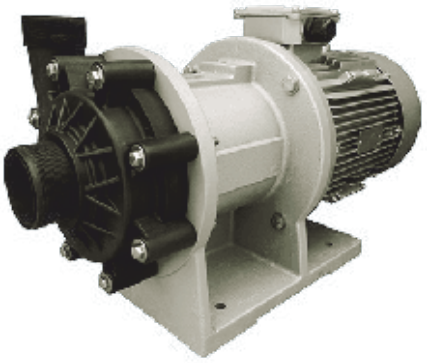

AlphaDynamic PUMPS

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