

Features

Mag drive centrifugal pumps series ADM 15 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 15 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

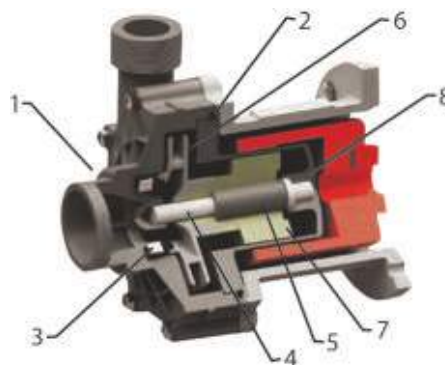
Constartion materials	PP - PVDF
Max Capacity	22 m3/h
Max Head	20 m
Max Temperature	PP 60°C, PVDF 90°C
Max viscosity	200 cSt
Intake / Delivery connections	2"(M) x 1 1/2"(M)
Pump weight without motor	PP 5.8 kg, PVDF 6.6 Kg
Pump weight with motor	PP 18.8 Kg, PVDF 19.6 Kg
Motor	2.0 HP 380V/3/50Hz 2800 RPM

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.

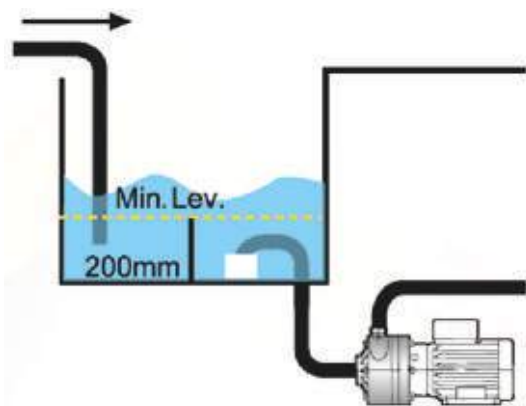
The external magnet is directly connected to the motor shaft and it transmits the torque to the internal magnet. The magnetic field created produces a rotation without physical contact between the parts so the impeller spins and moves the fluid. The rear casing is placed between the two magnet joints 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 ₂ O ₃ +EPDM or VITON
4	SHAFT	CERAMIC Al ₂ O 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 shaft 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

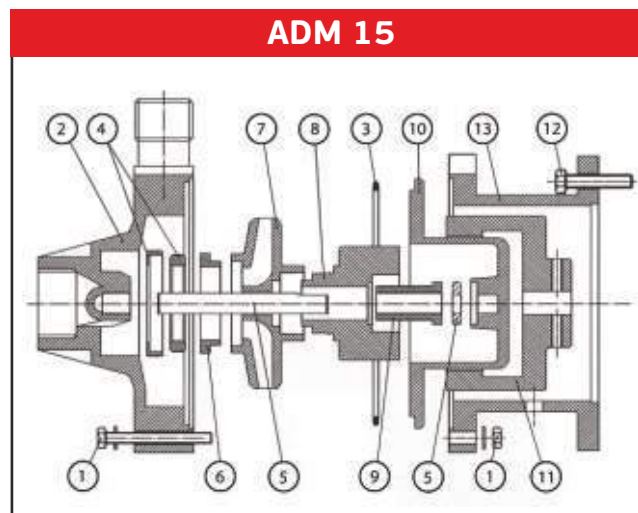


WATER AND SLUDGE
TREATMENT



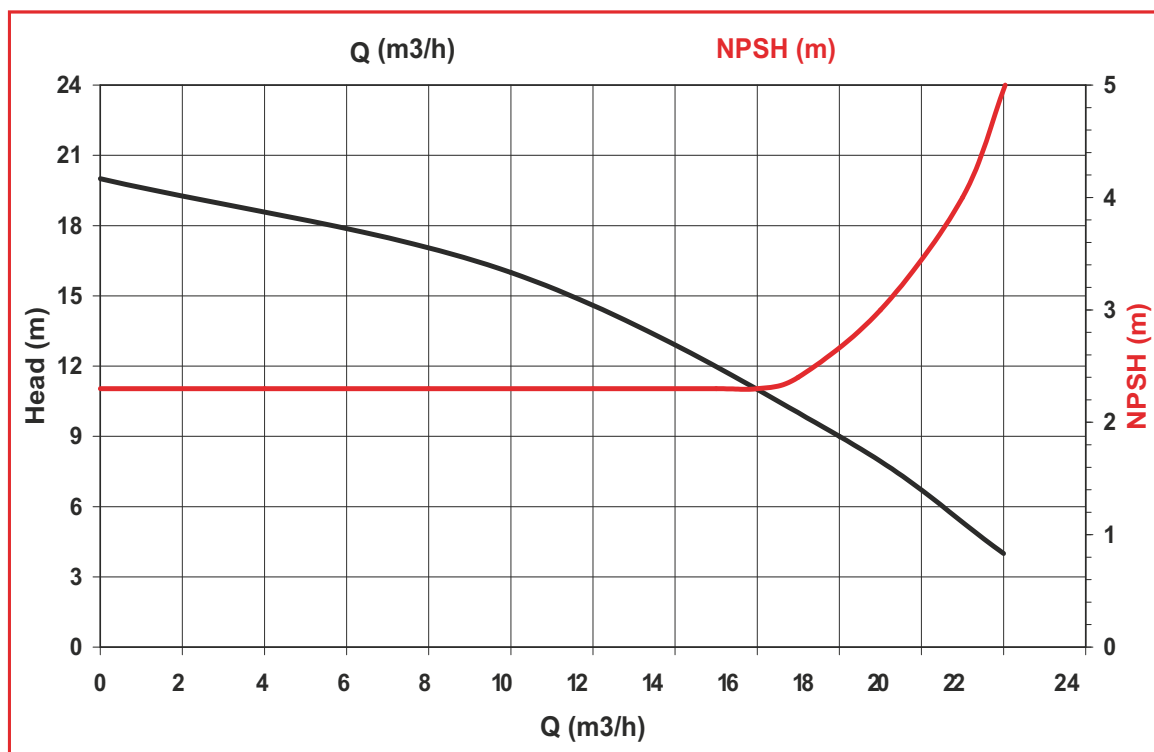
GALVANIC AND ELECTRONIC
INDUSTRY

ADM series section & spare part list

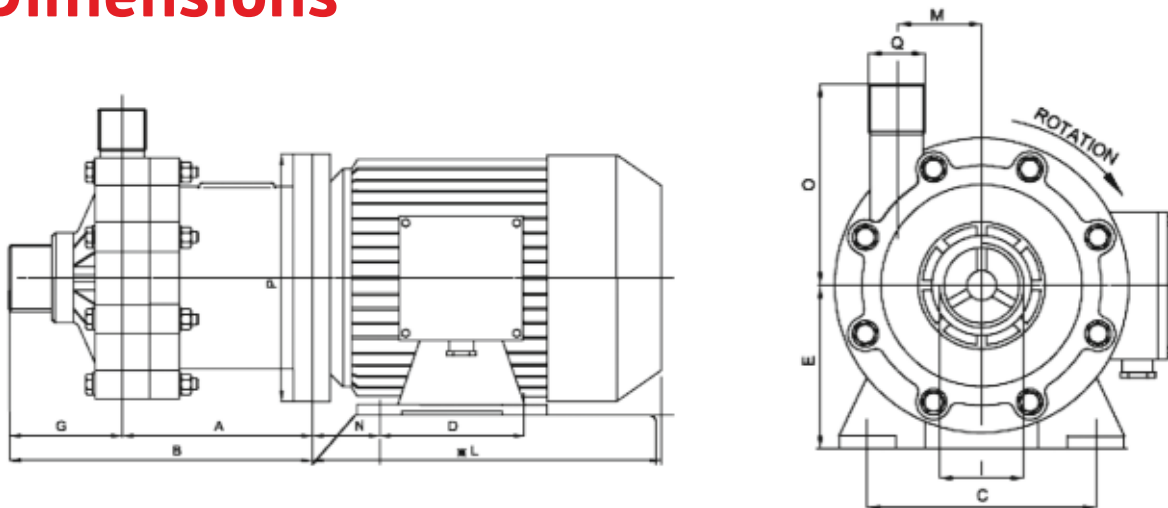


POS	PART. DESCR.	MATERIALS
1	SET SCREWS	AISI 304
2	PUMP CASING	PP - PVDF
3	O-RING	EPDM / VITON
4	SHAFT + RING	Al ₂ O ₃
5	INTERNAL ROTATING KIT	PP/PVDF
6	BEARING	PTFEC
7	REAR CASING	PP - PVDF
8	EXTERNAL MAGNET	C40 NeFeb
9	SCREWS	AISI 304
10	BRACKET	PP
11	SET SCREWS	AISI 304
12	PUMP CASING	PP - PVDF
13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

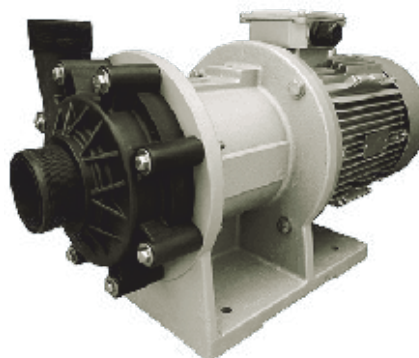
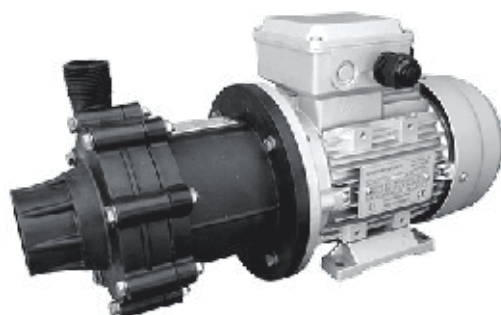
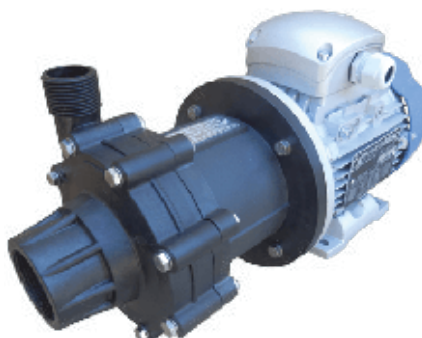
Performances



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 15	90S	1.5	160	240	140	100	90	28	52	42	13	2" MALE	256	66	56	135	200	1 1/2" MALE



We Make The Difference

Production Plant - Greece

Inofita Industrial area
59th km Nat.Road Athens - Lamia
GR 320 11 Inofita Viotia, Greece
Tel: +30 215 215 9520, +30 215 215 9580
email: sales@alphadynamic.eu
www.alphadynamic.eu

Sales Office - England

Rockleigh House, 37 Burton Road
Ashby de la Zouch, Leicestershire
LE65 2LF - United Kingdom (UK)
Registered in ENGLAND & WALES
Registration number 09706219
email: sales@alphadynamic.eu
www.alphadynamic.eu