AlphaDynamic PUMPS

We Make The Difference

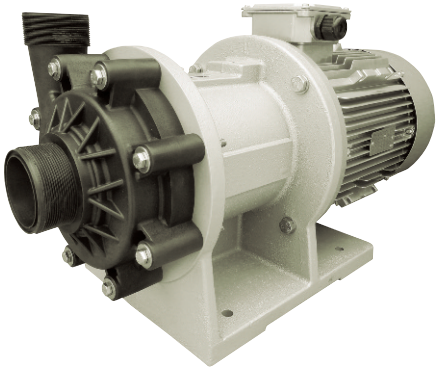
ADM Magnetic Drive pump

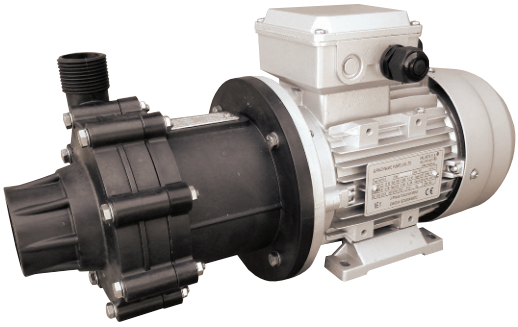


ADM Magnetic Drive Pumps

www.alphadynamic.eu

ADM magnetic drive pumps





Features

Magetic drive centrifugal pumps series ADM 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 models ADM 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.

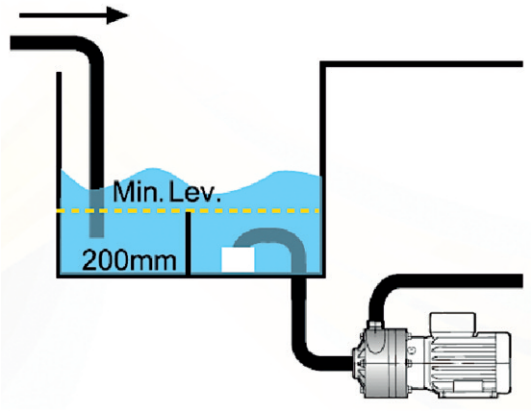
The pumped liquid has to be clean and without solids in suspension.

Technical Data

- Materials in contact with the liquid: casing and impeller PP/PVDF
- High torque magnetic coupling NeFeBo standard
- Flow up to 130 m3/h
  pressure up to 48 mlc
- Max temperature:
  PP 60°C – PVDF 90°C
- Max viscosity: 200 cSt
- Pressure rating NP 5 at 20°C
- Upon request the pump can be supplied with flange PN 10, ANSI 150, JIS

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

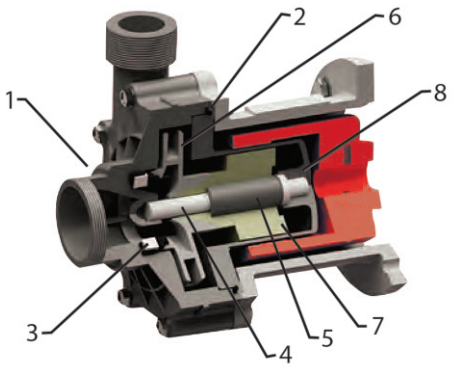
AlphaDynamic PUMPS

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.

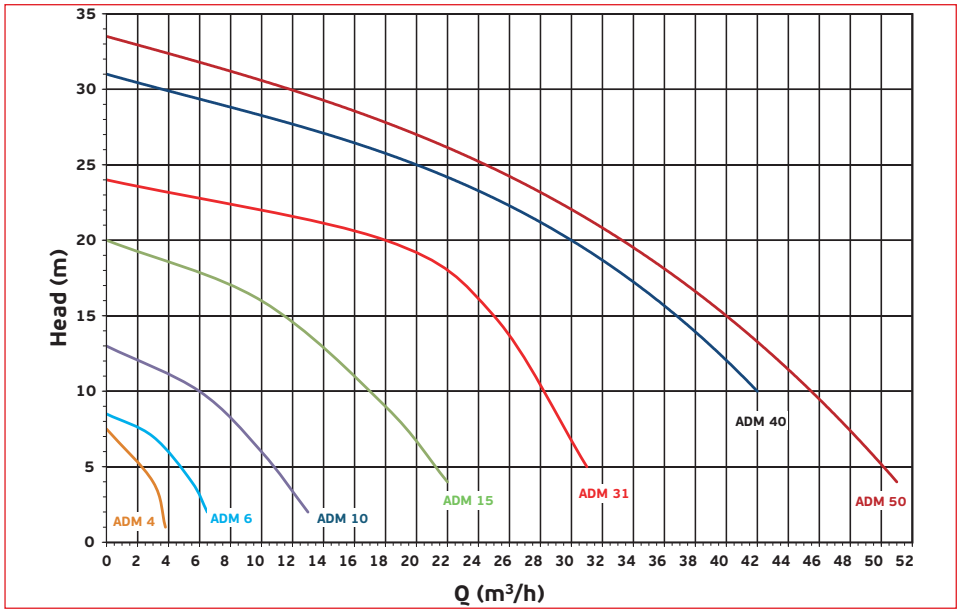


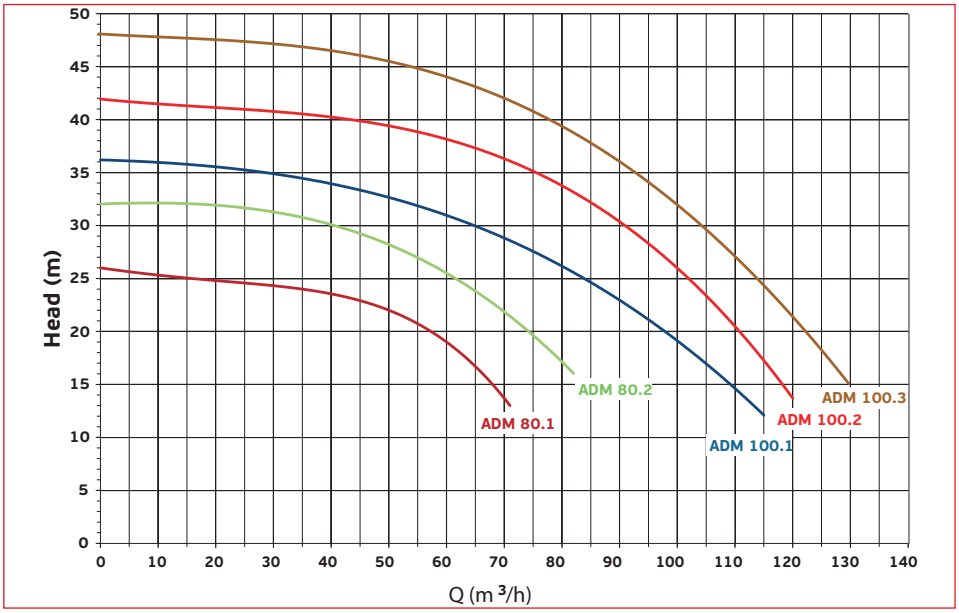
POS	DESCRIPTION	MATERIAL
1	PUMP HEAD	PP or PVDF
2	O-RING	EPDM or VITON
3	CASING THRUST BUSH	CERAMIC Al_2O_3 + EPDM or VITON
4	SHAFT	CERAMIC Al_2O_3 99.7%
5	BEARINGS	PTFEC
6	IMPELLER	PP or PVDF
7	INTERNAL MAGNET	PP or PVDF + NdFeb
8	REAR CASING	PP or PVDF

Pump Models

Type	Motor			Material	Suction Connection	Discharge Connection	Weight Kg			
	HP	Rpm	Size				PP Pump	PVDF Pump	PP with Motor	PVDF with Motor
ADM 4	0.16	2900	56	PP / PVDF	1" BSP F	½" BSP M	1.0	1.1	4.3	4.4
ADM 6	0.35	2900	63	PP / PVDF	1" BSP F	¾" BSP M	1.6	1.8	6.0	6.2
ADM 10	0.75	2900	71	PP / PVDF	1 ½" BSP F	1" BSP M	2.6	2.9	11.4	11.7
ADM 15	2	2900	90	PP / PVDF	2" BSP M	1 ½" BSP M	5.8	6.6	18.8	19.6
ADM 31	3	2900	90	PP / PVDF	2 ½" BSP M	2" BSP M	8	8.9	21	21.9
ADM 40	4	2900	100	PP / PVDF	3" BSP M	2 ½" BSP M	19	21	42	44
ADM 40	5.5	2900	112	PP / PVDF	3" BSP M	2 ½" BSP M	19	21	50	52
ADM 50	7.5	2900	132	PP / PVDF	3" BSP M	2 ½" BSP M	32	35	72	75
ADM 50	10	2900	132	PP / PVDF	3" BSP M	2 ½" BSP M	32	35	82	85
ADM 80.1	15	2900	160	PP / PVDF	DN 80	DN 65	42	44	122	124
ADM 80.2	20	2900	160	PP / PVDF	DN 80	DN 65	42	44	133	135
ADM 100.1	20	2900	160	PP / PVDF	DN 100	DN 80	42	44	133	135
ADM 100.2	25	2900	160	PP / PVDF	DN 100	DN 80	42	44	163	165
ADM 100.2	30	2900	180	PP / PVDF	DN 100	DN 80	42	44	190	192

Performances





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