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MAGNETIC DRIVE PUMPS

MPP 500 - MPP 501

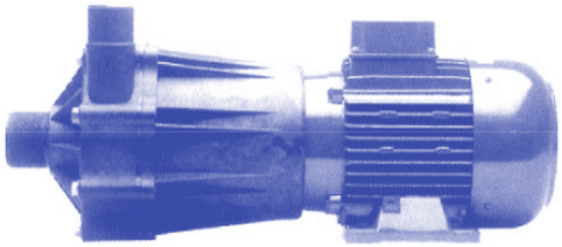
Operating principle

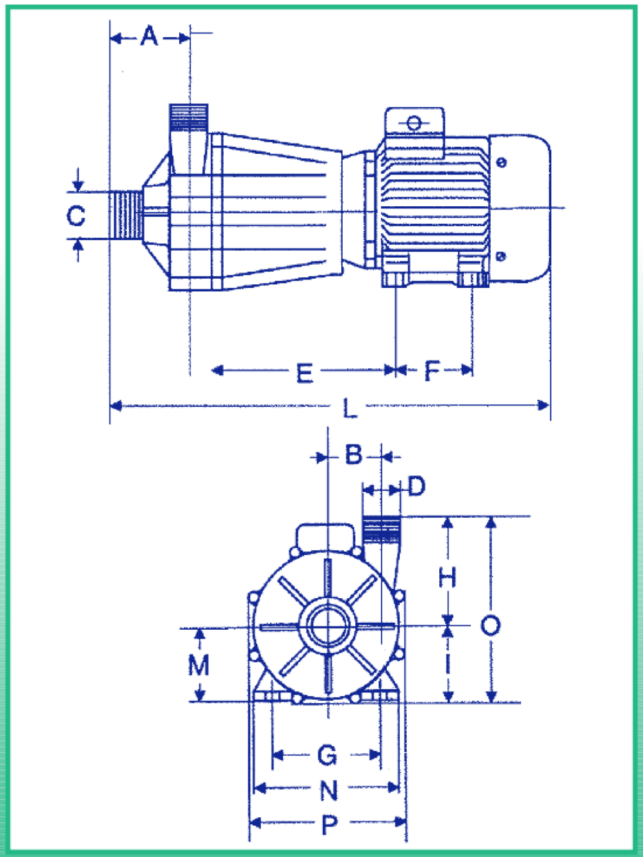
The distinctive feature of magnetic drive pump is the absence of a connection between motor and pump.
The rotation of the impeller is obtained by the magnetic force between two magnets : one is coupled to the motor, the other drives the impeller.
This construction guaranties the highest reliability and avoids any leackage, so maintenance interventions are reduced and simplified.

The materials used are:

- Polypropylene and PVDF for plastic components.
- Ceramics (Al2 O3 99,7%) for shaft and thrust ring.
- Rulon for bearings
- EPDM or Viton for the O-ring.

CE



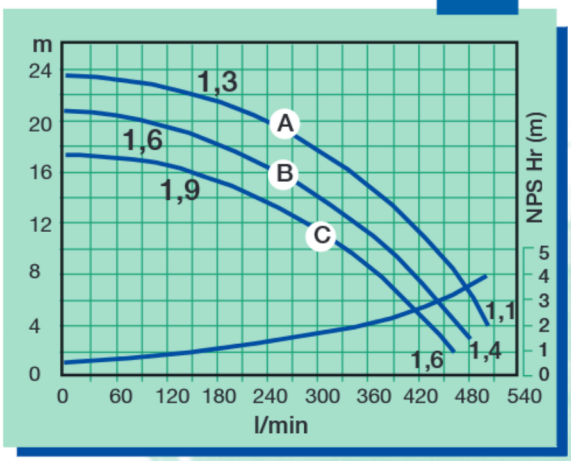


MODEL	MPP 500	- MPP 501
A	106	106
B	63,5	63,5
C	2”	2”
D	1”1/2	1” 1/2
E	245,5	245,5
F	125	125
G	140	140
H	137,5	137,5
I	100	100
L	565	565
M	90	90
N	184	184
O	237,5	267,5
P	200	200
KW	2,2	3
PHASES	3	3
Rpm	2800/3450	2800/3450
KG	21,5	24

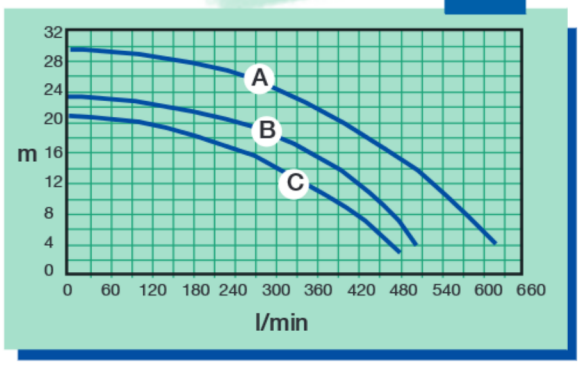
MPP 500 - MPP 501

MAGNETIC DRIVE PUMPS

MPP 500 — 50Hz



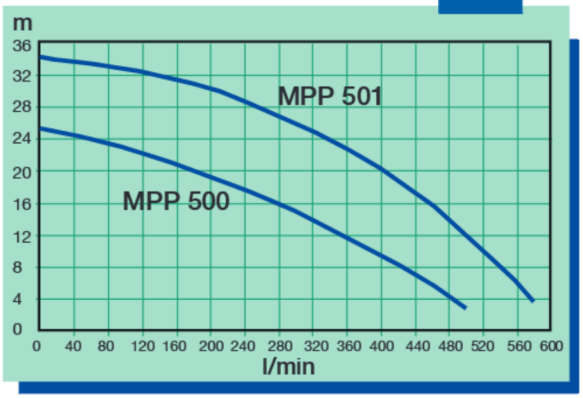
MPP 501 — 50Hz



DIRECTIVES:

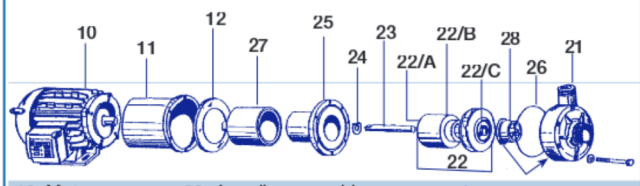
- The pump should never run dry.
- Dirty liquids and crystals reduce the life of the bearings.
- The ambient temperature should bebetween 0 and 40 °C.
- Flame proof motors should be used in explosive atmospheres.
- The liquid should not crystallize in the pump.
- The maximum temperature of the pumped liquid should be: 70 °C (for PP) 95 °C (for PVDF)
- The pump is normal priming.

MPP 500 - MPP 501 — 60Hz



Curve references:
water at ambient temperature

EXPLODED VIEW MAGNETIC DRIVE PUMP



10 Motor	22 Impeller assembly	
11 Flange	22A Impeller bush	
12 Centering Ring	22B Impeller magnet	Wet-end:
27 Drive magnet	22C Impeller	21+22+23+24+25
25 Rear casing	28 Bushing guide with thrust ring	+26+28 = 30
24 Thrust ring	26 O-ring	
23 Shaft	21 Pump casing	

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