

M A G N E T I C D R I V E P U M P S

MPP 251 - MPP 302

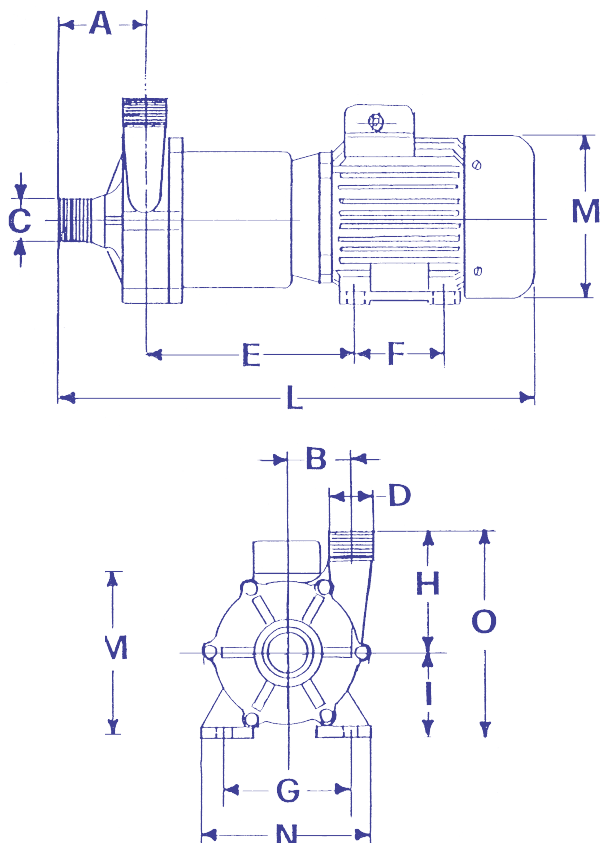
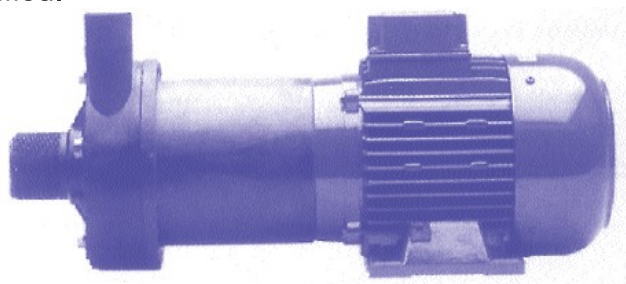
Operating principle

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 leakage, so maintenance interventions are reduced and simplified.

The materials used are:

- Polypropylene and PVDF for plastic components.
- Ceramics (Al₂O₃ 99,7%) for shaft and thrust ring.
- Rulon for bearings
- EPDM or Viton for the O-ring.



MODEL	MPP 251	MPP 302
A	89	89
B	58,5	58,5
C	2"	2"
D	1 1/4"	1 1/4"
E	186	202
F	100	100
G	125	140
H	131	131
I	80	90
L	462*	493*
M	156*	176*
N	155*	184*
O	211	221
KW	1,10	1,50
PHASES	3	3
Rpm	2800/3450	2800/3450
KG	15,8	18

* It changes according to the assembled motor

MPP 251 - MPP 302

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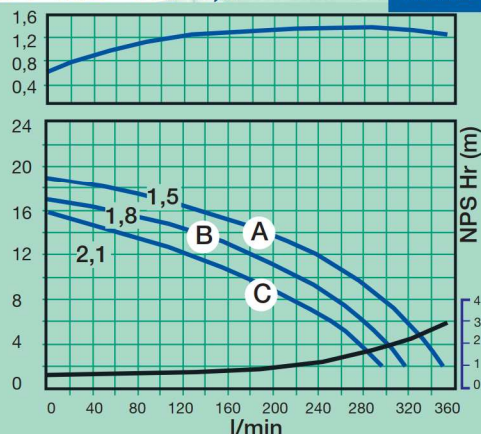
MPP 251 - KW 1,1

50Hz



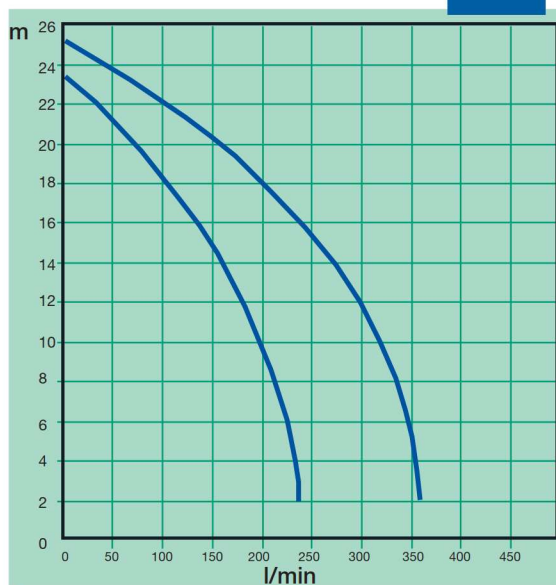
MPP 302 - KW 1,5

50Hz



MPP 251 - MPP 302

60 Hz

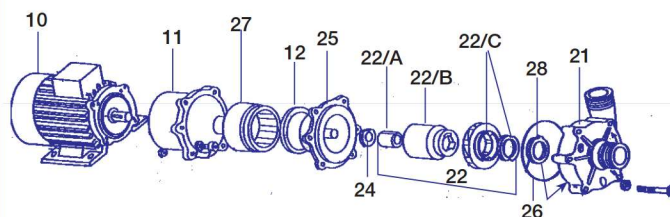


Curve references:
water at ambient temperature

DIRECTIVES:

- The pump should never run dry.
- Dirty liquids and crystals reduce the life of the bearings.
- The ambient temperature should be between 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 self priming.

EXPLODED VIEW MAGNETIC DRIVE PUMP



10 Motor	22A Impeller bush
11 Flange	22B Impeller magnet
12 Centering Ring (No on MPP251 PP)	22C Impeller
27 Drive magnet	28 Bushing guide with thrust ring
25 Rear casing with shaft	26 O-ring
24 Thrust Ring	21 Pump casing
22 Impeller assembly	

Wet-end:
21+22+24+25
+26 = 30