

MPP 101 - MPP 201

Operating principle

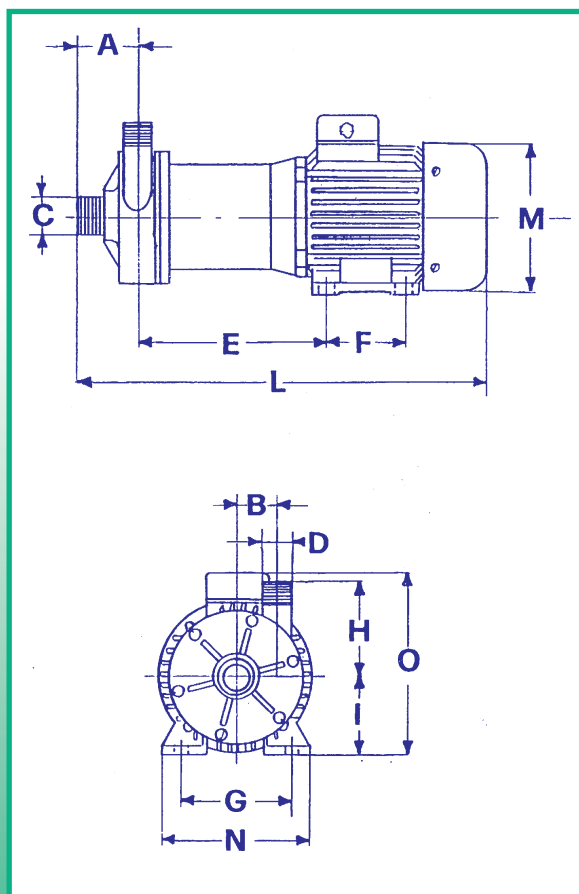
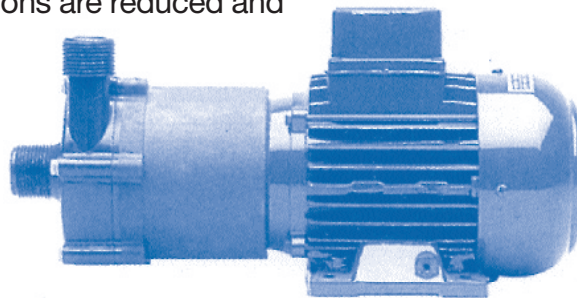
The distinctive feature of magnetic drive pump is the absence of a connection between motor and pump.

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.
- PTFE Bearings for PP models and Rulon ones for PVDF ones
- EPDM or Viton for the O-ring.



MODEL	MPP 101	MPP 201
A	50	66
B	38	38,5
C	1"	1"1/2
D	1"	1"
E	144	160
F	80	90
G	100	112
H	84	99,5
I	63	71
L*	242	398
M*	126	137
N	124	144
O*	165	185
WATT	220	550
PHASES	1-3	1-3
Rpm	2800/3450	2800/3450
Kg*	5,700	8,6

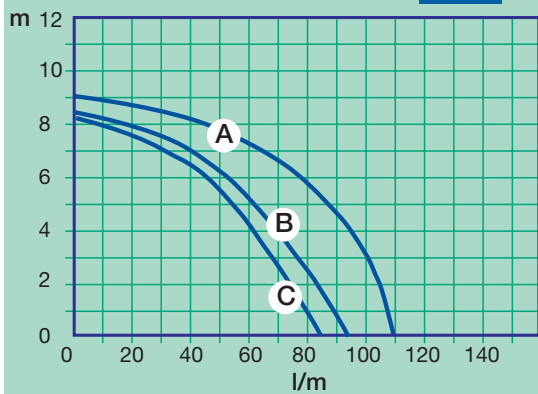
* It changes according to the assembled motor

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

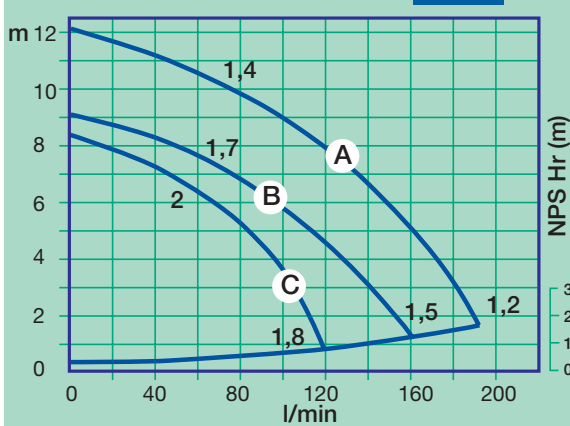
MPP 101

50Hz



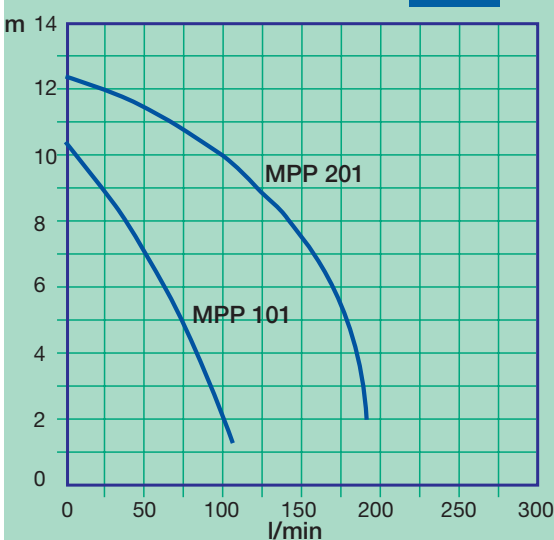
MPP 201

50Hz



MPP 101 - 201

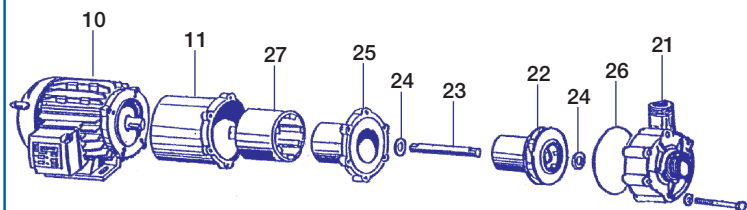
60Hz



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 normal priming.

EXPLODED VIEW MAGNETIC DRIVE PUMP



10 Motor	23 Shaft
11 Flange	22 Impeller
27 Drive magnet	24 Thrust ring
25 Rear casing	26 O-ring
24 Thrust ring	21 Pump casing

Wet-end:

$$21+22+23+24+25+26 = 30$$

Curve references:
water at ambient temperature