

# MPP 051 - MPP 052

### Operating principle

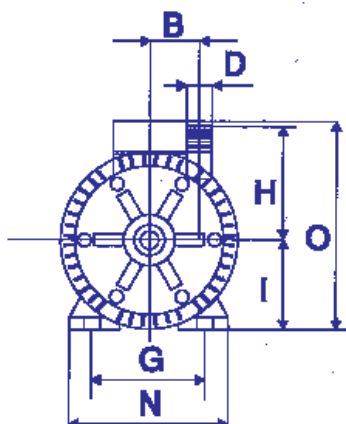
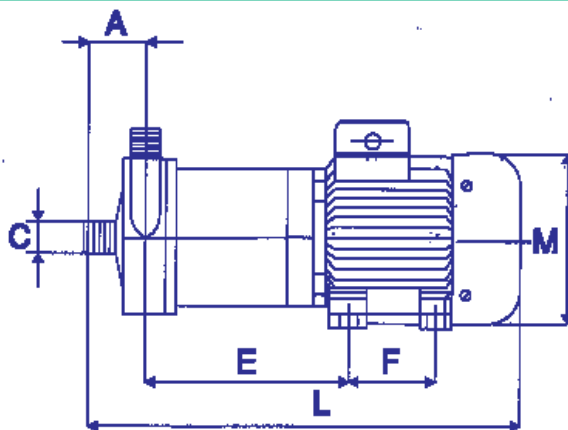
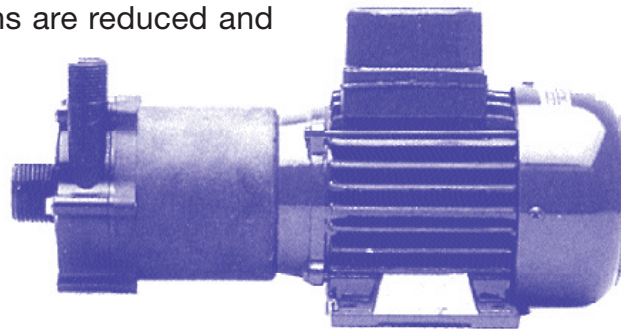
The distinctive feature of magnetic drive pump is the absence of a connection between motor and pump.

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 (Al<sub>2</sub>O<sub>3</sub> 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 051 - MPP 052

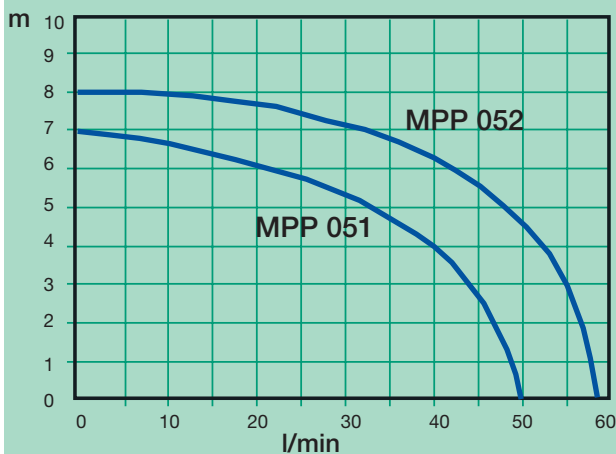
A	39
B	35
C	1"
D	1/2"
E	128
F	71
G	90
H	69
I	56
L	299
M	110
N	112
O	150
WATT	120
PHASES	1-3
Rpm	2800/3450
KG	4,000

# MPP 051 - MPP 052

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

MPP 051 - MPP 052

50Hz

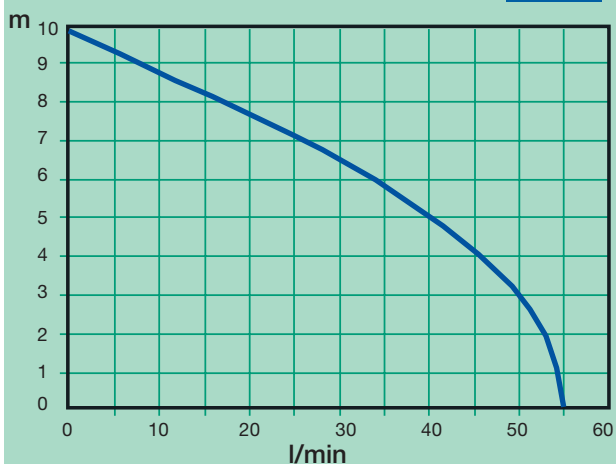


### DIRECTIVES:

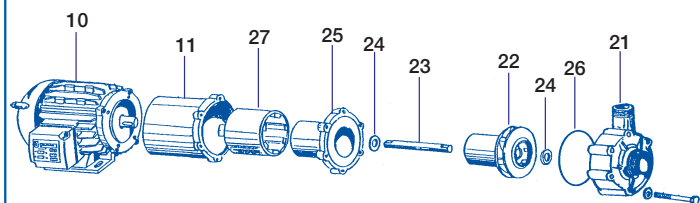
- The pump should never run dry.
- Dirty liquids and crystals reduce the life of the bearings.
- The ambient temperature should be between 0 and 40 °C.
- Flame proof motors should be used in explosive atmospheres.
- The liquid should not crystallize in the pump.
- The maximum temperature of the pumped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

MPP 051 - MPP 052

60Hz



### EXPLODED VIEW MAGNETIC DRIVE PUMP



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

Wet-end:  
21+22+23+24+25+26 = 30

Curve references:  
water at ambient temperature