

### Μ G Μ U Ρ A Ν F R F Ρ S С $\square$ MPC 042 - MPP 031

### **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.







MODEL	MPC 042	- MPP 031
А	38	34
В	36	30
С	1"	1/2"
D	1/2"	1/2"
E	109	115
F	71	71
G	90	90
Н	72	63
1	56	56
L	280	279
Μ	110	110
Ν	107	112
0	128	150
WATT	120	90
PHASES	5 1	1-3
Rpm	2800/34	50 2800/3450
KG	3,450	2,850

# MPC 042 - MPP 031

## MAGNETIC DRIVE PUMPS





### **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.



Curve references: water at ambient temperature

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