



### ADVANTAGES

- Easy Maintenance Operations
- Energy saving

### FEATURES

- External Mechanical Seal available with different material combinations
- Tmax exercise: PP 75°C - PVDF 95°C
- Connections:
  - socket union for rigid piping connection with PP, PVC, PVDF union ends choice
  - hose barb for hose connetctions
  - flanged

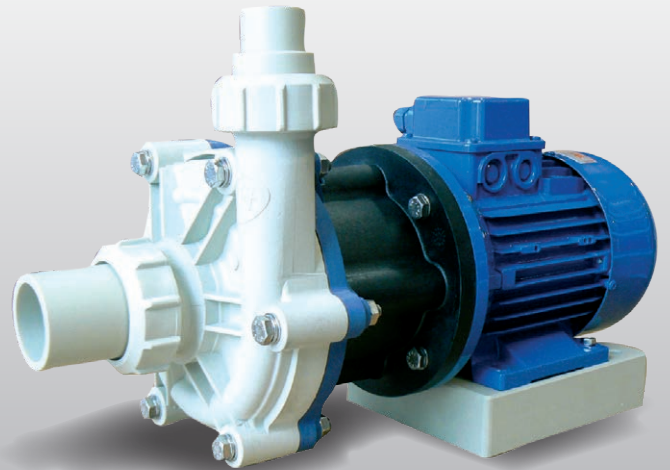
### APPLICATION FIELDS

- Acid and alkaline soutions with minimal solid suspended particles
- Electroplating, Chemical, PCB industry

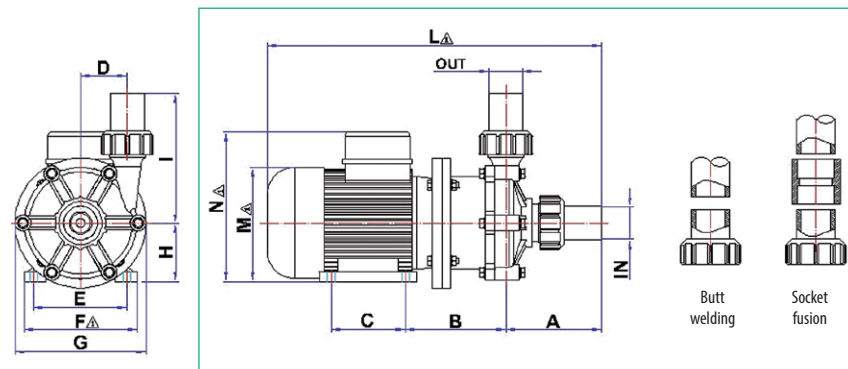
### SPECIFICATIONS

|       | Flow Rate<br>max<br>(l/min.) | Head max<br>(m) | Motor<br>(kw) | IN/OUT D<br>(mm) | T max<br>(°C) | Weight*<br>(kg) |
|-------|------------------------------|-----------------|---------------|------------------|---------------|-----------------|
| 50 Hz | 485                          | 23              | 1,10          | 63 x 50          | PP: 75        | PP: 22,00       |
| 60 Hz | 485                          | 23              | 1,10          | 63 x 50          | PVDF: 95      | PVDF: 25,00     |

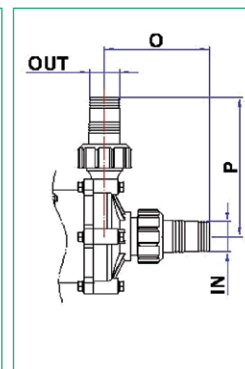
\* It depends on the motor



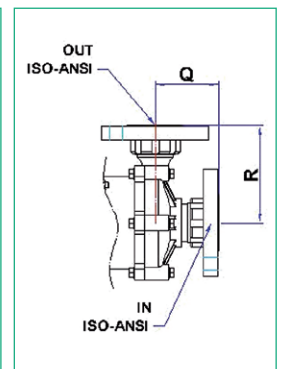
CONNECTION TYPE B



CONNECTION TYPE P



CONNECTION TYPE F



Dimensions:

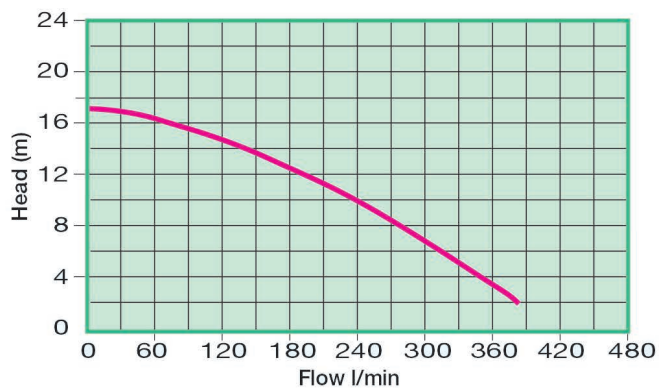
| Mod.  | A   | B   | C   | D  | E   | F $\Delta$ | G   | H  | I   | L $\Delta$ | M $\Delta$ | N $\Delta$ | O     | P   | Q  | R   | IN | OUT |
|-------|-----|-----|-----|----|-----|------------|-----|----|-----|------------|------------|------------|-------|-----|----|-----|----|-----|
| EVM20 | 108 | 179 | 100 | 65 | 125 | 160        | 200 | 80 | 155 | 475        | 156        | 210        | 153,0 | 210 | 67 | 125 | 50 | 40  |

$\Delta$  It changes according with motor supplier

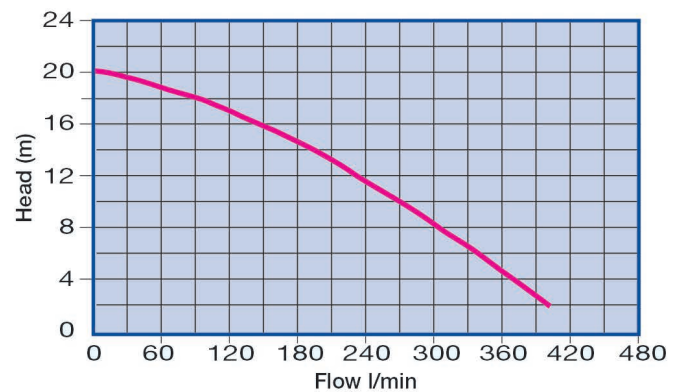
### PUMP IDENTIFICATION

| Model         | Pump body                          | Shaft                                        | Mechanical seal<br>Rotating - Static                                                               | O-Ring                | Connections                                     | Motor / rpm                          |
|---------------|------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------|--------------------------------------|
| EVM 20        | P = PP<br>F = PVDF<br>M = solid PP | X = AISI 316<br>T = TITANIO<br>H = HASTELLOI | 2 = PTFE CERAMIC<br>3 = CARBON - CERAMIC<br>4 = SIC - SIC<br>5 = CARBON - SIC<br>6 = SIC - CERAMIC | E = EPDM<br>V = VITON | B = Socket union<br>F = Flanged<br>P = Hosebarb | A = 50 Hz / 2800<br>B = 60 Hz / 3400 |
| <b>EVM 20</b> | <b>P</b>                           | <b>X</b>                                     | <b>3</b>                                                                                           | <b>E</b>              | <b>B</b>                                        | <b>A</b>                             |

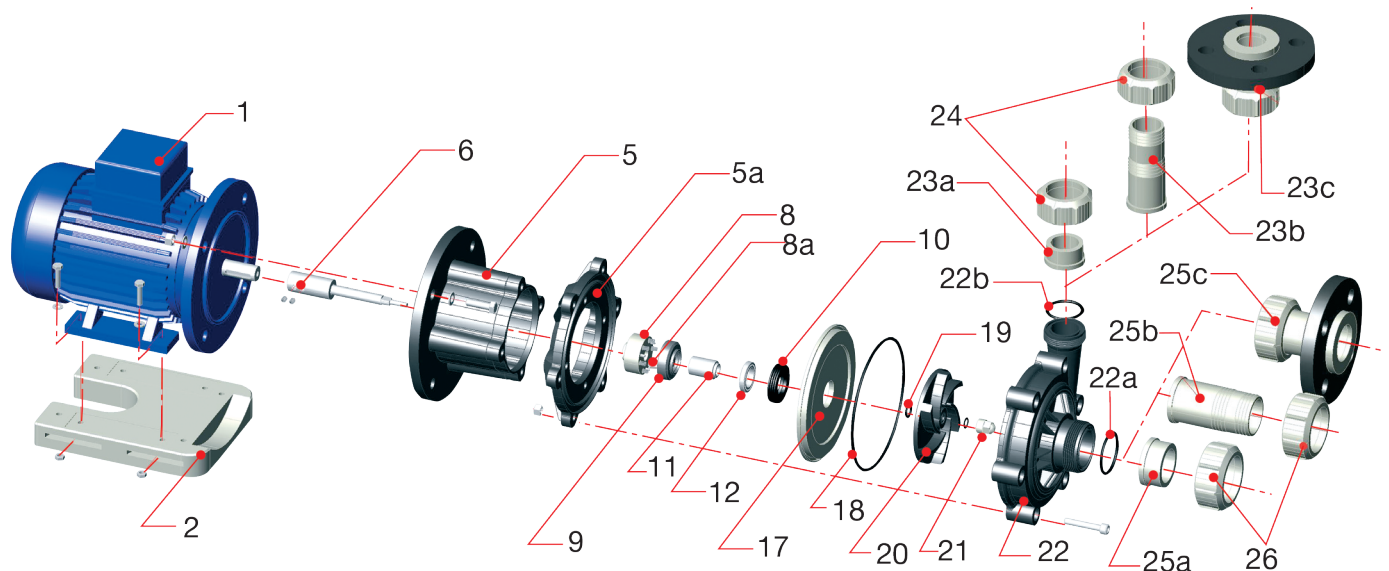
Performance Curve 50 Hz - Rpm 2800



Performance Curve 60 Hz - Rpm 3400



Curves refer to water T = 20°C



- |                            |                                |                                   |
|----------------------------|--------------------------------|-----------------------------------|
| 1 Motor                    | 12 Static ring                 | 23a Rigid piping discharge attack |
| 2 Motor Base               | 17 Pump housing flange         | 23b Hosebarb discharge attack     |
| 5 Bracket                  | 18 Pump housing O-Ring         | 23c Flanged suction attack        |
| 5a Flange Bracket          | 19 Impeller O-Ring             | 24 Discharge gear                 |
| 6 Shaft                    | 20 Impeller                    | 25 Suction manifold               |
| 8 Mechanical seal body     | 21 Ogive nut                   | 25a Rigid piping discharge attack |
| 8a Mechanical seal springs | 22 Pump body                   | 25b Hosebarb discharge attack     |
| 9 Rotating ring            | 22a Suction pump body O-Ring   | 25c Flanged suction attack        |
| 10 O-Ring                  | 22b Discharge pump body O-Ring | 26 Suction gear                   |
| 11 Shaft sleeve            | 23 Discharge manifold          |                                   |

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