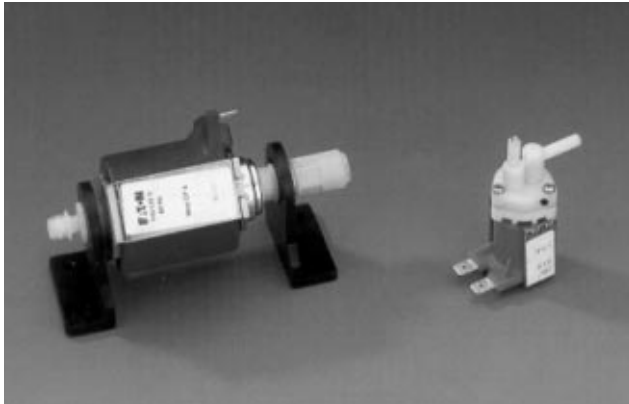




Appliance Controls

Water Pumps



Invensys Appliance Controls' water pumps are split into two different families:

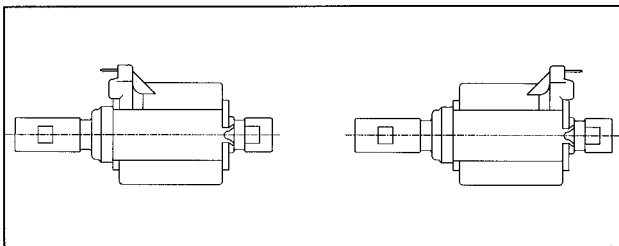
- a) The piston operated CP-water pumps for the use in espresso coffee-machines, carpet-cleaners, winding machines and similar applications.
- b) The diaphragm operated micro pump MP-1 for the use in the field of steam generation for cleaning or ironing and similar applications.

The materials used in the construction of the pumps meet the health and Water-Supply Authority requirements for materials in contact with potable water worldwide.

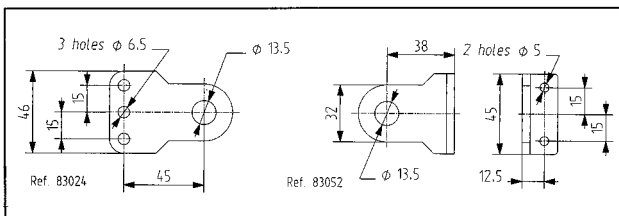
CP-6 Models

Tab terminals 6,35 x 0,8 mm

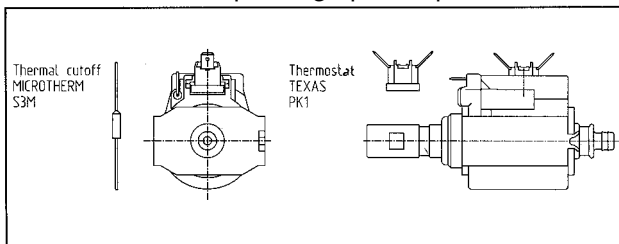
Coil orientation possibilities



Standard Mounting Brackets: Rubber brackets for pump mounting and noise reducing.



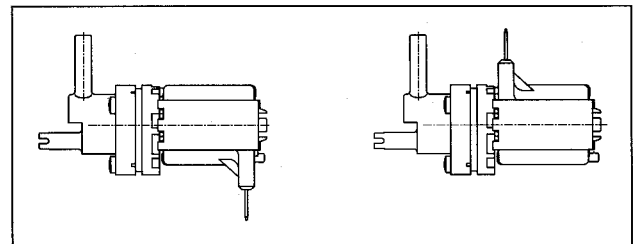
The CP Pump may have a thermostat or thermal fuse fitted on the coil depending upon requirements.



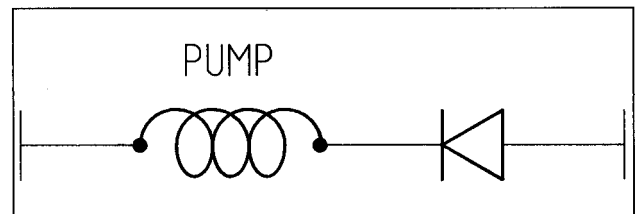
MP-1 Models

Tab terminals 6,35 x 0,8 mm

Coil orientation possibilities



Electrical Wiring



The Pump has to be connected to a diode 1 AMP Serie 1N4007 or equivalent.

Pumps are approved by the major Approval Authorities worldwide. Other characteristics upon request.

All deminsions are in millimeters

Water Pump CP: Models CP-2 and CP-1 for high pressure applicatons. CP-6 for low pressure applications.

Coil Voltage ratings

220/230 V 50 Hz
230/240 V 50 Hz
110/120 V 60 Hz
100 V 50/60 Hz

Coil insulation
Class F ($\leq 140^\circ\text{C}$)

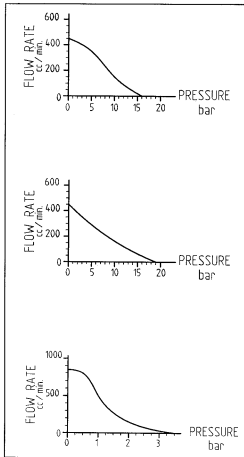
Electrical Insulation
Double insulated

Power Draw
CP-2, CP-4 = 60 W
CP6 = 35 W

Duty cycle
CP-2, CP-4 = 1'ON 1'OFF
CP-6 = 100 %

Other Parameters
Water
Temperature $\leq 25^\circ\text{C}$
Ambient
Temperature $\leq 60^\circ\text{C}$

Nominal Flow rates at rated voltage

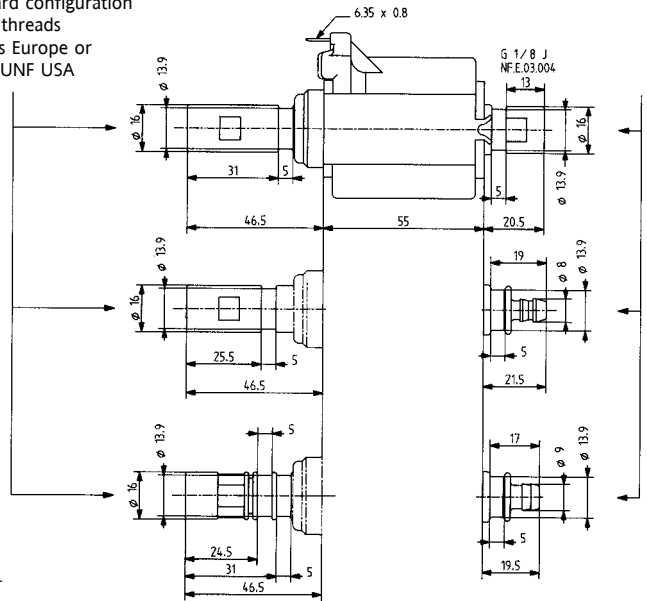


Pump performance may change depending upon tubes used.
Mod. CP-2

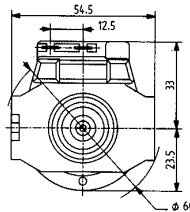
Pump performance may change depending upon tubes used.
Mod. CP-4

Pump performance may change depending upon tubes used.
Mod. CP-6

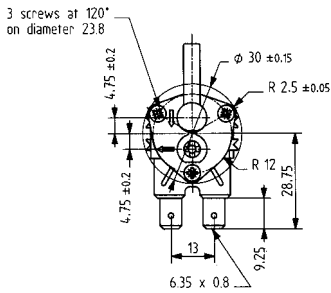
Standard configuration outlet threads
1/8 gas Europe or 3/8-24UNF USA



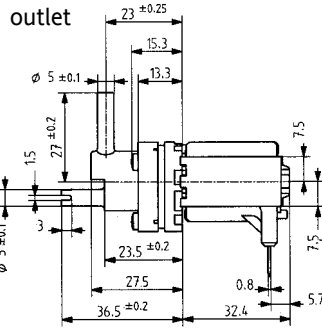
Available inlet configuration



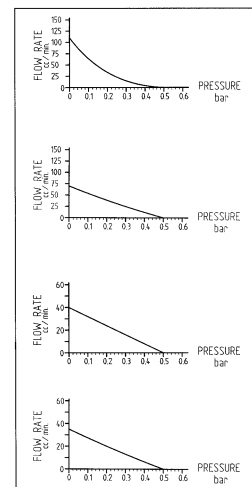
Water Pump MP - Models: MP-1 Standard for low flow rate, MP-1 for high flow rate



inlet



Nominal flow rates at rated voltage



Pump performance may change depending upon tubes used.
Mod. MP-1 - High flow rate
220 V 50 Hz

Pump performance may change depending upon tubes used.
Mod. MP-1 - High flow rate
Voltage: 110/120 V 60 Hz

Pump performance may change depending upon tubes used.
Mod. MP-1 standard
Voltage: 110/120 V 60 Hz

Pump performance may change depending upon tubes used.
Mod. MP-1 standard
Voltage: 220 V 50 Hz

Coil Voltage ratings
220/240 V 50 Hz
110/120 V 50/60 Hz

Coil insulation
Class F ($\leq 140^\circ\text{C}$)

Electrical Insulation
Double insulated

Power draw
MP-1 = 6 W

Duty cycle
100 %

Other parameters
Water
temperature $\leq 25^\circ\text{C}$
Ambient
temperature $\leq 60^\circ\text{C}$