Fluid-o-Tech oscillating piston pumps Mono series

This latest version of the Fluid-o-Tech Mono oscillating piston pump has been developed looking at the future. The hydraulic improvements make of this pump the ideal component for all the applications where safety and reliability are necessary elements. The Mono oscillating piston pump, designed for pumping a range of fluids including potable water, food quality low viscous syrups and semiaggressive fluids at relatively high pressures, is available in brass or plastic housing and fittings, with glass or EPDM check valves and an AISI 430 FR stainless steel piston. The coil is made of self-extinguishing material with a class H insulation winding. All the models are equipped with a noise suppression device which allows the pump to be installed in all those applications where low noise is a premium. Shock absorbing supports are also available for the quietest operation.

**Main applications**

- Espresso coffee machines
- Beverage vending machines
- Smoke generators
- Steam generators
- Carpet cleaners
- Water purifiers
- Water Carbonators
- Spraying systems

**Electrical characteristics**

<table>
<thead>
<tr>
<th></th>
<th>“IF” Coil</th>
<th>“IL” Coil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>120 V</td>
<td>230 V</td>
</tr>
<tr>
<td>Frequency</td>
<td>60 Hz</td>
<td>50 Hz</td>
</tr>
<tr>
<td>Power</td>
<td>70 W</td>
<td>55 W</td>
</tr>
<tr>
<td>Current</td>
<td>0.98 A</td>
<td>0.34 A</td>
</tr>
<tr>
<td>Approval</td>
<td>(File E164244)</td>
<td>(File E164244)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>“AL” Coil</th>
<th>“AF” Coil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>230 V</td>
<td>120 V</td>
</tr>
<tr>
<td>Frequency</td>
<td>50 Hz</td>
<td>60 Hz</td>
</tr>
<tr>
<td>Power</td>
<td>70 W</td>
<td>70 W</td>
</tr>
<tr>
<td>Current</td>
<td>0.65 A</td>
<td>1.4 A</td>
</tr>
</tbody>
</table>

**“AA” Coil**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>24 V</td>
</tr>
<tr>
<td>Frequency</td>
<td>50-60 Hz</td>
</tr>
<tr>
<td>Power</td>
<td>45 W</td>
</tr>
<tr>
<td>Current consumption at 50 Hz</td>
<td>3.6 A</td>
</tr>
<tr>
<td>Current consumption at 60 Hz</td>
<td>3.4 A</td>
</tr>
</tbody>
</table>

**Wiring diagram**

Diode wiring diagram to follow when the pump is supplied without plug.

www.fluidotech.it
### Fluid-o-Tech International Inc.

**161 Atwater St., Plantsville CT (USA) 06479**
- Tel. +1 (860) 276-9270
- Fax +1 (860) 620-0193

**Fluid-o-Tech Int’l Inc. Japan**
- 203, 2-17-19, Ebara, Shinagawa Tokyo 142-0063, Japan
- Tel. +81 (0)3 3783-9660
- Fax +81 (0)3 3783-9661

**Fluid-o-Tech Asia (Beijing) Co., Ltd**
- Jingwei Industrial Zone, Beifang Huairou, Beijing, 101400, PRC
- Tel. +86 (0)10 61684650
- Fax +86 (0)10 61684651

---

**M1N** = 1/8” GAS brass fitting

**M1V** = 1/8” GAS brass fitting with Viton® seals

**R1N** = 1/8” GAS plastic flow regulator

**M2N** = 1/8” GAS plastic fitting

**M2V** = 1/8” GAS plastic fitting with Viton® seals

**B2N** = 1/8” GAS brass bypass 8 mm outlet

**B2V** = 1/8” GAS brass bypass 8 mm outlet with Viton® seals

**M3N** = 1/8” GAS high flow brass fitting

**M3V** = 1/8” GAS high flow brass fitting with Viton® seals

**M3T** = 1/8” GAS high flow brass fitting with PTFE™ seals

**M9N** = 1/8” NPT high flow brass fitting

**M9V** = 1/8” NPT high flow brass fitting with Viton® seals

---

**A** = 70 W coil

**I** = 70 W coil if 120 V version - 55 W coil if 230 V version

**P** = EPDM seals

**R** = NBR seals w/insert

**T** = PTFE™ seals

**W** = Viton® seals

**1** = Quiet pump

**1** = Axial

**45 W “AA” coil pump**

**70 W “AF” coil pump**

**55 W “IL” coil pump**

**70 W “AL” coil pump**

**Note:** Characteristics with water at 20 °C. Pump weight: 660 g (1.4 Lbs). Figures of flow are averages.

Fluid-o-Tech reserves the right to alter the specifications indicated in this catalogue at any time and without prior notice.