Fluid-o-Tech “Mono” oscillating piston pumps

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 under continuous operation, is available in brass or plastic housing and fittings, with glass or EPDM check valves and an AISI 430 FR stainless steel piston. All the models are equipped with a noise suppression device which allows the pump to be installed in all those applications where the 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>Coil Type</th>
<th>Voltage</th>
<th>Frequency</th>
<th>Power</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>“IF” Coil</td>
<td>120 V</td>
<td>60 Hz</td>
<td>70 W</td>
<td>0,98 A</td>
</tr>
<tr>
<td></td>
<td>230 V</td>
<td>50 Hz</td>
<td>55 W</td>
<td>0,34 A</td>
</tr>
<tr>
<td>“IL” Coil</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>“AL” Coil</td>
<td>230 V</td>
<td>50 Hz</td>
<td>70 W</td>
<td>0,65 A</td>
</tr>
<tr>
<td></td>
<td>120 V</td>
<td>60 Hz</td>
<td>70 W</td>
<td>1,4 A</td>
</tr>
<tr>
<td>“AP” Coil</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>“AA” Coil</td>
<td>24 V</td>
<td>50-60 Hz</td>
<td>45 W</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Wiring diagram

Mode wiring diagram to follow when the pump is supplied without plug

Via Morimondo, 23
20143 Milano - Italy
Tel. (39) 02 8917071
Fax (39) 02 89170799

http://www.fluidotech.it
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<table>
<thead>
<tr>
<th>Characteristics with water at 20°C</th>
<th>Figures of flow are averages</th>
</tr>
</thead>
</table>

- **1 = Axial**
- **1 = Quiet pump**
- **06 = 6 mm piston**
- **08 = 8 mm piston**
- **10 = 10 mm piston**
- **15 = 15 mm piston**

- **P = NBR seals**
- **R = NBR seals with PTFE**
- **T = PTFE seals**
- **W = Viton seals**

- **L = Brass with 1/8” NPT inlet**
- **A = Brass with 1/8” GAS inlet**
- **D = Plastic with 8 mm barbed inlet**

- **A = 24 V coil**
- **I = 70 W coil**
- **F = 120 V coil**

- **MN = 1/8” GAS brass fitting**
- **MS = 1/8” GAS plastic flow regulator**
- **M2N = 1/8” GAS plastic fitting**
- **M2V = 1/8” GAS plastic fitting 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**

- **M9N**
- **A = 24 V, 50/60 Hz coil**
- **L = 230 V, 50 Hz coil**
- **F = 120 V, 60 Hz coil**

- **FIAP0611**
- **A = 24 V, 50/60 Hz coil**
- **F = 120 V, 60 Hz coil**

- **06 = 6 mm piston**
- **08 = 8 mm piston**
- **10 = 10 mm piston**
- **15 = 15 mm piston**

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- **Via Morimondo, 23**
- **20143 Milano - Italy**
- **Tel. (39) 02 8917071**
- **Fax (39) 02 89170799**

- **6F, 2-19-2, Akasaka,**
  **Minato-ku, Tokyo 107-0052 Japan**
- **Tel. 81 (0) 3-3585-8471**
- **Fax 81 (0) 3-3585-8472**

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