MARCO

UP14 Gear Pumps for Water, Antifreeze & Diesel Fuel
12 or 24 VDC, Flow to 12.0 GPM, Pressure to 29 PSI

DESCRIPTION
Model UP14 is a self-priming, compact, powerful, 12 or 24 VDC electric gear pump. UP14 is constructed of helical bronze gears or PTFE gears, nickel-plated brass body and stainless steel shaft.

Depending on the model, use UP14 for transfer of fresh water, diesel fuel, antifreeze and other compatible media.

Model types include:
- UP14 Bronze Gear Pump: Main applications are diesel fuel, antifreeze, water & lightweight oils
- UP14/Oil Bronze Gear Pump: Main applications are engine lubricating fluids & draining engine sumps.
- UP14-P Gear Pump with PTFE Gears: Main applications are bilge service and transfer of water.

### General Specifications

<table>
<thead>
<tr>
<th>P/N</th>
<th>Model</th>
<th>Voltage (VDC)</th>
<th>Current Consum.</th>
<th>Fuse (A)</th>
<th>Self-Prime (Feet)</th>
<th>Pressure (PSI)</th>
<th>Flow Rate (gpm)</th>
<th>Hose Conn.</th>
<th>Motor Power (W)</th>
<th>Weight (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16450012</td>
<td>UP14</td>
<td>12</td>
<td>16</td>
<td>30</td>
<td>13.1</td>
<td>29</td>
<td>12.2</td>
<td>3/4&quot; BSP, Tubing adapters supplied</td>
<td>400</td>
<td>11.7</td>
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<tr>
<td>16450013</td>
<td>UP14</td>
<td>24</td>
<td>8</td>
<td>20</td>
<td>13.1</td>
<td>29</td>
<td>12.2</td>
<td>260</td>
<td>11.7</td>
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<tr>
<td>16452012</td>
<td>UP14/Oil</td>
<td>12</td>
<td>14</td>
<td>20</td>
<td>6.6</td>
<td>29</td>
<td>4.84</td>
<td>260</td>
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<td>UP14/Oil</td>
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<td>7</td>
<td>15</td>
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<td>4.84</td>
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<td>12.2</td>
<td>400</td>
<td>11.7</td>
<td>11.7</td>
</tr>
</tbody>
</table>

Operating Cycle- Intermittent but can run continuous so long as:
1) Pressure does not exceed 50% of maximum pressure (per above table)
2) Motor temperature is below 60/70 °C (140/158 °F)
3) Viscosity not exceeding 20 cSt (UP14 & UP14-P), 350 cSt (UP14/Oil)
4) Minimum 12 mm diameter connections

Mounting Position: Pump can be mounted in any orientation

**DIMENSIONS**

**PUMPS ARE NOT FOR USE WITH:**
- Gasoline (Petrol)
- Flammable liquids with PM<38°C (100 °F)
- Liquids with viscosity> 20cSt (UP14 & UP14-P)
- Liquids with viscosity> 350cSt (UP14/Oil)
- Foodstuff liquids
- Corrosive chemical products
- Solvents