MARCO
Series UP9-PN Gear Pumps for Water & Diesel Fuel
12 or 24 VDC, Flow to 3.2 GPM, Pressure to 58 PSI

DESCRIPTION
Model UP9-PN is a self-priming, compact, powerful, 12 or 24 VDC electric gear pump. UP9-PN is constructed of PTFE gears, nickel-plated brass body and stainless steel shaft.

Use UP-9PN for fresh water, sea water, diesel fuel, transfer of lightweight lube oils, antifreeze and other compatible media.

SPECIFICATIONS
GENERAL
Ports: Tapped 3/8” BSP, pump supplied with 2 ea 3/8” NPT adaptors
Motor: 12VDC or 24VDC, powdered epoxy coated
Circuit Protection: Install fuse 12 V, 15A; 24 V, 10A
Current: See Curves
Flow Rate: See Curves
Self Priming With Wet Gears: 4.92 ft (1.5 m)
Pump Duty: Intermittent
Motor Life: Approx. 2000 hours
Max. Ambient Operating Temperature: 14-140°F (-10-60°C)
Max. Relative Humidity: 90%
Pump Body: Nickel plated Brass
Gears: UP9/Oil, Bronze; UP9/P (PTFE)
Shaft: Stainless Steel
*Suitable Fluid Media:
  Fresh Water (max. 85°C, 185°F), salt water (max. 40°C, 104°F) & diesel fuel with viscosity between 2 & 5.35 cSt to 37.8°C, 100°F; minimum flashpoint (PM): 55°C, 131°F
Unsuitable Fluid Media: DO NOT USE for Gasoline, flammable liquids with PM<131°F, liquids with viscosity> 20 cSt, food products, corrosive chemicals & solvents
Weight: 6 lbs

* A model with lower operating speed is available for lubricating oils and viscous liquids, consult factory.

DIMENSIONS (INCHES)

ORDERING INFORMATION
AB
Example: UP9-PN12V

<table>
<thead>
<tr>
<th>A</th>
<th>Model</th>
<th>B</th>
<th>Voltage</th>
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<tbody>
<tr>
<td>UP9-PN</td>
<td>12V= 12 VDC</td>
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<td>24V= 24 VDC</td>
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Note: A 250-400 micron filter is recommended for applications where the fluid media contains particles.