

MARCO

Series UP6 Gear Pumps for Water & Diesel Fuel

12 or 24 VDC, Flow to 6.9 GPM, Pressure to 29 PSI

DESCRIPTION

Model UP6 is a self-priming, compact, powerful, 12 or 24 VDC electric gear pump. UP6 is constructed of helical bronze gears, nickel-plated brass body and stainless steel shaft.

Use UP6 for fresh water, diesel fuel and other compatible media.

The E Option for UP6 is a built in pressure control whereby a factory prograded pressure setting is maintained via a built-in microprocessor based variable pump speed control circuit that utilizes an internal pressure sensor for loop feedback. Main application is low cost pressure/flow control for small water and process systems.

SPECIFICATIONS

GENERAL

Ports: Tapped 1/2" BSP, pump supplied with 2 ea 1/2" NPT adaptors

Motor: 12VDC or 24VDC, powdered epoxy coated
Circuit Protection: Install fuse 12 V, 15A; 24 V, 7.5A

Current: See Curves

Flow Rate :See Curves

Self Priming With Wet Gears: 4.92 ft (1.5 m)

Pump Duty: Intermittant

Motor Life: Approx. 2000 hours

Max. Operating Temperature: 14-140°F (-10-60°C)

Max. Relative Humidity: 90%

Pump Body: Nickel plated Brass

Gears: UP6/Oil, Bronze; UP6/P (PTFE)

Shaft: Stainless Steel

*Suitable Fluid Media:

Fresh Water (max. 85°C, 185°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

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

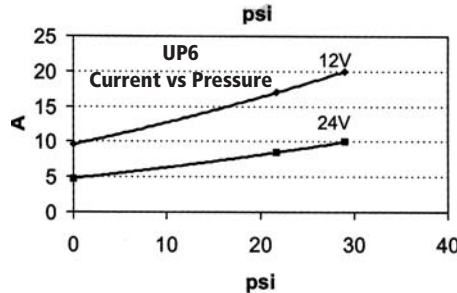
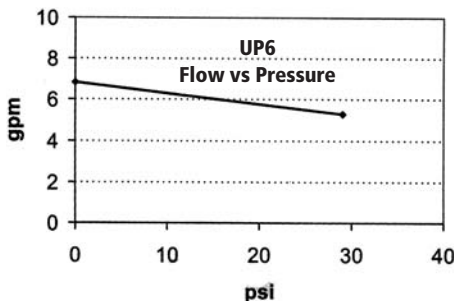
ORDERING INFORMATION

ABC

Example: UP612V

| A Model | B Voltage | C Options |
|---------|----------------------------|---|
| UP6 | 12V= 12 VDC 24V= 24 VDC | - None E= Electronic Pressure Control, Specify Pressure Setpoint |

Note: A 250-400 micron filter is recommended for applications where the fluid media contains particles.



UP6



UP6E

DIMENSIONS (INCHES)

