MARCO Series UP12 Gear Pumps for Water & Diesel Fuel

12 or 24 VDC, Flow to 10.5 GPM, Pressure to 36 PSI

DESCRIPTION

Model UP12 is a self-priming, compact, powerful, 12 or 24 VDC electric gear pump. UP12 is constructed of helical bronze gears, nickel-plated brass body and stainless steel shaft.

Use UP12 for fresh water, diesel fuel and other compatible media.

The E Option for UP12 is a built in pressure control whereby a factory programed pressure setting is maintaned via a built-in microprocessor based variable pump speed control circuit that utilizes an internal pressure sensor for loop feedback. Main appli-cation 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 fuse12 V, 30A; 24 V, 15A

Motor: 12VDC or 24VDC, powdered epoxy coated
Circuit Protection: Install fuse12 V, 30A; 24 V, 15A
Current: See Curves
Flow Rate :See Curves
Self Priming With Wet Gears: 13.1 ft (4 m)
Pump Duty: Intermittant
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: UP12/Oil, Bronze; UP12/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

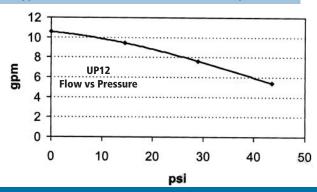
* A model with lower operating speed is available for lubricating oils and viscous liquids, consult factory.

ORDERING INFORMATION

ABC Example: UP1224V

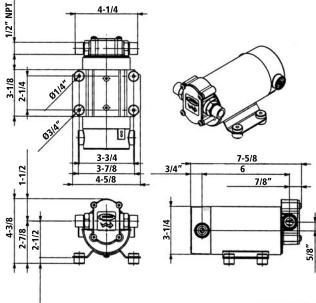
A	B	C
Model	Voltage	Options
UP12	12V= 12 VDC 24V= 24 VDC	- None E= Electronic Pressure Control, Specify Pressure Setpoint

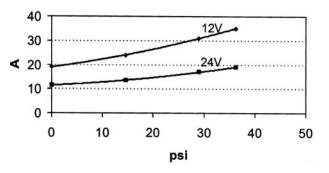
Note: A 250-400 micron filter is recommended for applications where the fluid media containins particles.





DIMENSIONS (INCHES)





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