GOTEC

EMX-25 Miniature Piston Pump

Solenoid Operated, Flow to 12 L/H (3.17 GPH) Pressure to 2.5 Bar (36.3 PSI)

DESCRIPTION

Model EMX-25 oscillating piston pump is a great solution for low volume liquid pumping applications where small size is a critical factor.

The piston size and the length of its displacement define the flow rate. The pressure limits itself automatically. The pump will run without damage when the liquid flow is stopped momentarily.

The precision ground machined elements, piston and bushing, guarantee minimum wear and exceptional component life. With only stainless steel connectors, piston and spring and PTFE or PPS valve tips in contact with the media, the pumps are suitable for a wide range of fluids and applications.



SPECIFICATIONS

GENERAL

Supply Voltage- 12, 24, 110, 230VAC, 50/60 Hz, diode

Wetted Pump Materials-303, 304, 316, & 431 SS

Connectors: AISI 431 SS (1.4057)
Piston: AISI 431 + Cr (1.4057 + Cr)
Springs: AISI 316 (1.4401)

Springs: AISI 316 (1.4401) Valves- PTFE or PPS

Solenoid Housing- Molded epoxy Maximum Pressure- 2.5 bar (36.3 PSI)

Maximum Flow- Standard Vers., 12 L/H (2.38 GPH)

Viscosity Range- 1....600mm²/s Particle Tolerance- 100 mesh

DC Operation: Optional model PD-106 DC driver

board

Electrical Connections- Male DIN Spade (3 x 6.3 mm x .08 mm), ISO/DIN 43650 form B

Power Consumption- 18 W

Insulation: Class F-100% ED / 20 [°C] with heat sink

(Class H on request), Class I

Operating Factor- 100% continuous@ 68°F

Ambient/Process Temperature Range- 1 to 50°C (33.8 to

122°F)

Noise level (1m): open flow = \sim 35 [dB(A)],

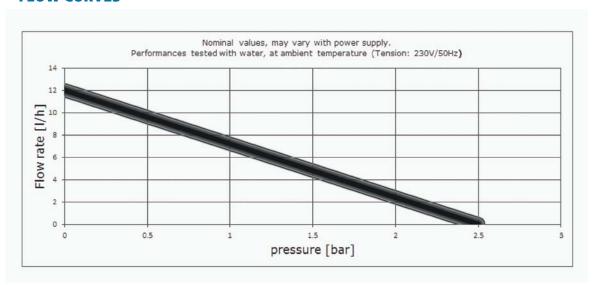
Max. pressure = \sim 29 [dB(A)]

Optional Mounting-Integral Heat Sink w/2ea 1/8" Holes

3/4" on center (see drawing)

Weight- 95 g (0.2 lb)

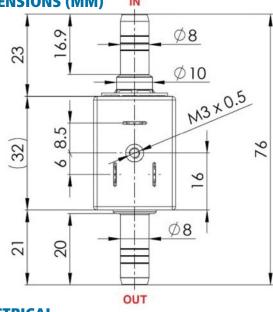
FLOW CURVES

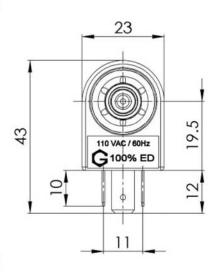


EFFECT OF COIL TEMPERATURE RISE ON FLOW RATE

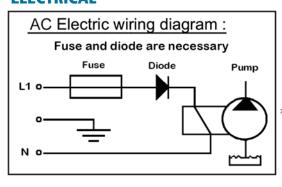


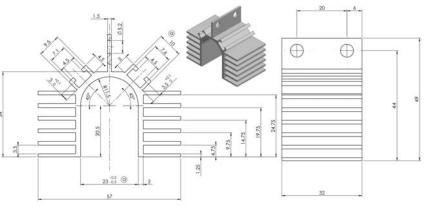
DIMENSIONS (MM)





ELECTRICAL





ORDERING INFORMATION

ABCDEF

EMX25TC24VS2V

A Model	B Valve Material	C Piston Coating	D Voltage	E Elec. Conn.	F #Valves
*EMX25=5/16" Hose Barb *Consult us with your OEM fitting requirements	T=Teflon P= PPS		12V=12V 110V=110V 24V=24V 230V=230V	,	2V=2Valves

Options							
Model	Description		Model	Description			
Model PD-106	DC driver board, 9-35 VDC in, 9-35V pulsed DC out		106628	Heat Sink			
Model 1N5406	Diode						