35918-MD

Compact Air/Gas Pump (Removed from New Equipment)

MFG: Parker
Model: B.1C60E2.K12VDC

Physical Properties

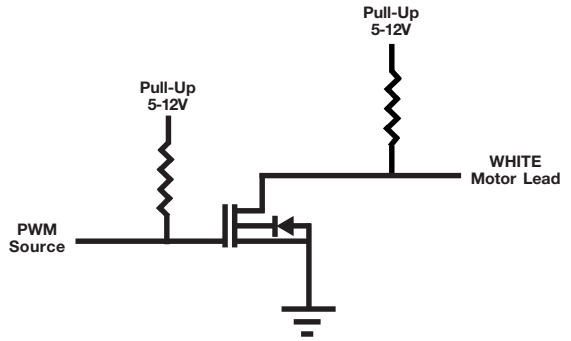
Media:
Air, Argon, Helium, Nitrogen, Oxygen,
and other non-reacting gases
Type: Diaphragm
Airflow: ~6L/min (Freeflow)
Pressure: ~ 24PSI Max
8PSI Continous
Vacuum: ~20in. Hg
Connections: Hose Barbs for 1/8" (3mm) ID Tubing
Humidity:
0 – 80% Relative Humidity
Operating Temperature
41 to 122°F (5 to 50°C)
Storage Temperature
-4 to 212°F (-20 to 100°C)
Noise Level :
As low as 45 dB @ 12 in (30 cm)
Pump Assembly Rated Life : 10,000 hrs
Weight: 8.8 oz. (250 g)
Wetted Materials:
Pump Head: Vectra [LCP]
Retainer Washer: 2024 Alum
Retainer Screw: 316 Stainless
Valves: EPDM [Q55]
Diaphragm: AEPDM [T80]
Gasket: EPDM [65]
4" x 2" x 1-1/4".

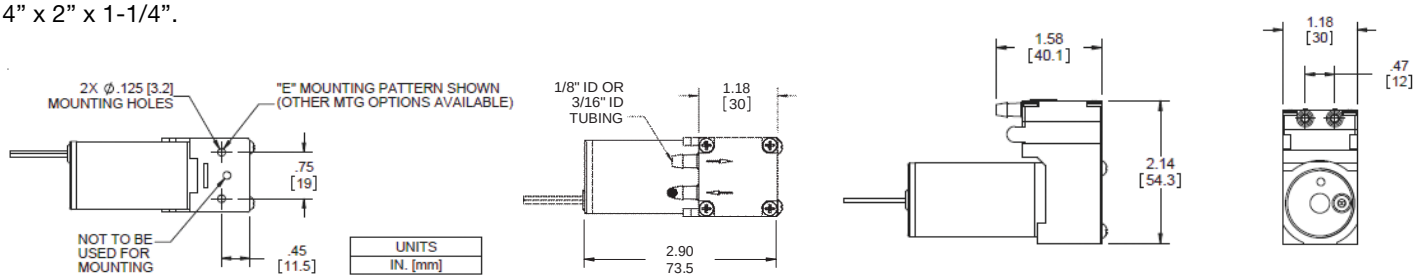
Electrical

Motor Type (DC):
Brushless Slotless
Voltage: 12VDC
Current Range : 200 - 1400 mA
Electrical Termination:
22 AWG Wire Leads, Length 5"
Red: + Plus
Black: - Minus
White: PWM Input
Blue: Tachometer Output (1pulse/RPM)

Pulse Width Modulation (PWM)

MOSFET transistor circuit is recommended as shown in the example below
Open (Floating) Motor PMW Pin, Pump runs at Full Speed





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