

# 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".

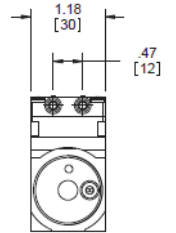
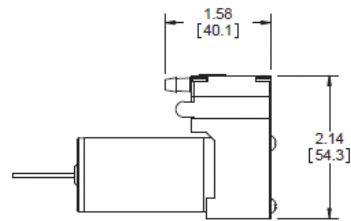
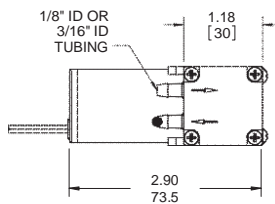
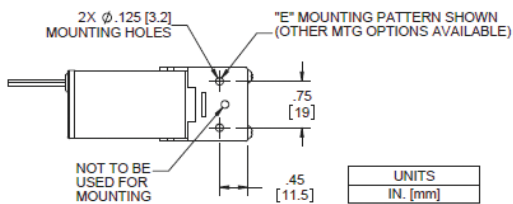
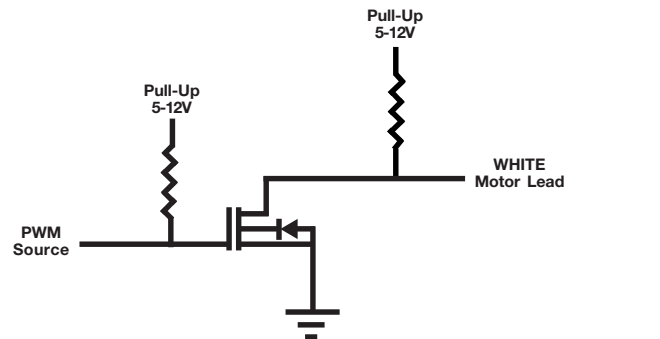
### Electrical

**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 (1 pulse/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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