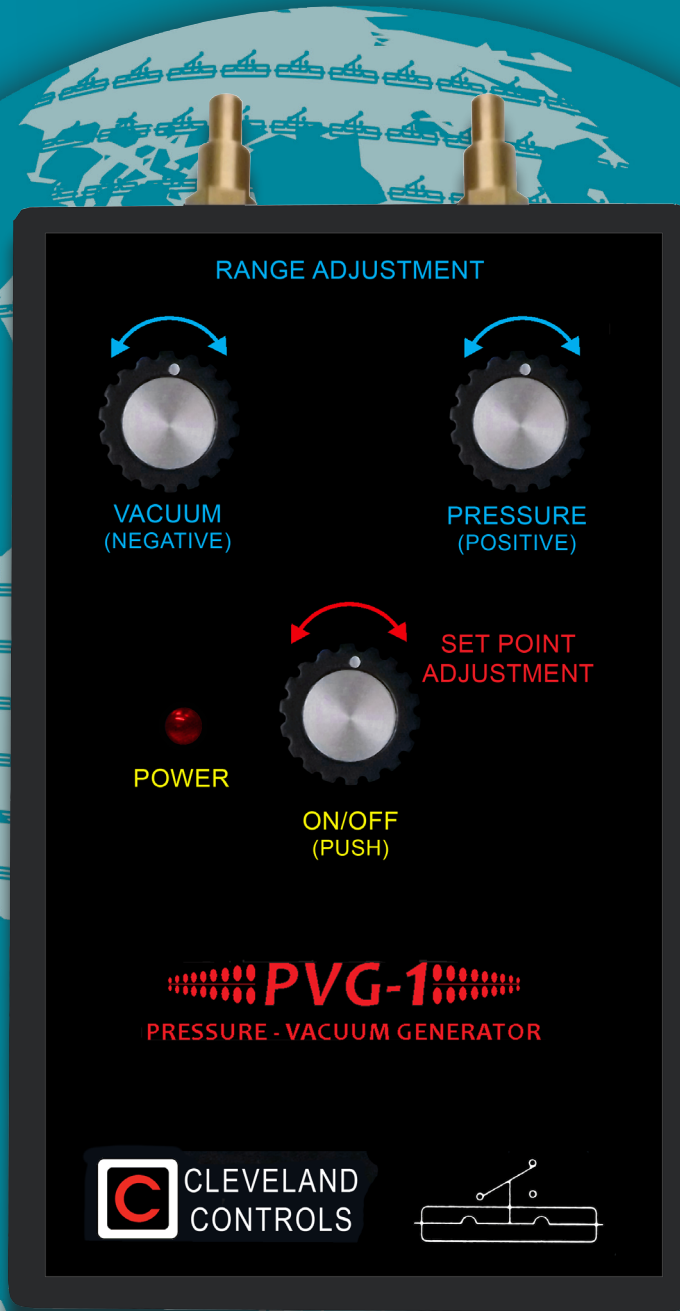




Cleveland Controls
Division of UniControl Inc.



MODEL PVG-1
PRESSURE/VACUUM GENERATOR
(PATENT PENDING)

Testing the Circuit

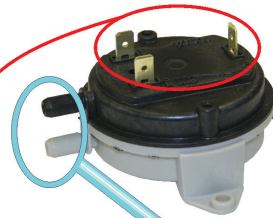


P/N 27636
Terminal Connection
Harness

**Cleveland Controls
Series 6650**
Digital Manometer/Multi Meter
or equivalent.



**Cleveland Controls
Series NS2™**
Differential Pressure
Air Flow Sensing Switch



P/N 25781
Flexible, Transparent
PVC Tubing

Connecting to the Air Source



¼" ID Flexible Tubing

Tee

¼" ID Flexible Tubing

**Cleveland Controls
Series PVG-1***
Pressure/Vacuum Generator
or equivalent.



MODEL PVG-1 PRESSURE/VACUUM GENERATOR

The PVG-1 is a compact pressure or vacuum generator that provides a constant air source ideal for field calibrating differential pressure air flow sensing switches. Setting up the PVG-1 is quick and easy. It has separate coarse adjustment valves for initial pressure or vacuum range selection, a fine-tune output adjustment potentiometer, and a pushbutton on/off switch.

The PVG-1 has an output range of ± 0.10 to ± 12.0 " w.c. It requires three (3) standard AA size batteries, which provide a minimum operating life of ten (10) hours. A protective cover is included for durability in the field.

The PVG-1 offers many standard features that competing products do not:

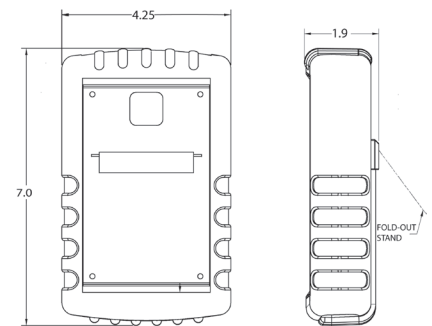
- PVG-1 generates both positive and negative air flow for use when testing air switches in both conditions. Factory set points are made in the conditions that the air switch is used.
- PVG-1 contains individual integral bleed valves for both positive and negative air flows. This allows for precisely setting positive or negative air flow output.

- PVG-1 has integral slip-on tubing connections that accept both $\frac{1}{8}$ " ID and $\frac{1}{4}$ " ID flexible tubing.
- PVG-1 includes a tubing accessory kit for convenient connections to both an air switch and a manometer.
- PVG-1 includes a rugged protective case with integral stand.

The PVG-1 Pressure/Vacuum Generator is a superb tool for convenient field calibration and testing of positive, negative, and differential air pressure switches. Use the PVG-1 with a manometer for indication of the pressure or vacuum level, and a multimeter for the status of the electrical contacts of the air switch during calibration. The Cleveland Controls Model 6650 Digital Manometer is the ideal tool to use with the PVG-1. Both instruments are long-lived, user-friendly, with minimal maintenance and low cost. Together they provide all the functions necessary for measuring or balancing low pressure air systems. The Model 6650 Digital Manometer even includes an integral multimeter.

For more information on the Model 6650 Digital Manometer, download bulletin LTDM6650-01 from our website: www.clevelandcontrols.com.

NOMINAL DIMENSIONS



SPECIFICATIONS

MODEL PVG-1 PRESSURE/VACUUM GENERATOR (PATENT PENDING)

Operating Temperature: 50 °F to 120 °F
(10 °C to 49 °C)

Power Requirement: 3 standard AA batteries

Operating Time (Battery): Minimum 10 hours
Range: ± 0.1 " w.c. to ± 12.0 " w.c.

Connectors/Ports: Integral slip-on connectors accept $\frac{1}{8}$ " and $\frac{1}{4}$ " ID flexible tubing

Nominal Dimensions:

3.6" x 5.75" x 1.25" for housing.

4.25" x 7.0" x 1.9" in protective case.

Shipping Weight: 2lb.



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