

VPD[®] METER

Vertical Positive Displacement Meter
With a Dry Contact



Carlson's vertical positive displacement[®] oscillating piston meter is designed for vertical installation but can be installed horizontally or on an incline provided the meter remains full of water. The meter has a built-in back flow preventer and is housed in an engineered plastic with is corrosion resistant liquid-sealed register for easy reading. The meter is available in gallons at 1 GPC (1 gallon per contact) or liters at 1LPC (1 liter per contact).

The piston meter ensures high sensitivity and accurate registration throughout the range.



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VPD® METER SPECIFICATIONS

- Reed Switch:** Dry contact, normally open, 24V, 100mA maximum
- Meter Size:**
- $\frac{5}{8}$ " x $\frac{3}{4}$ "
 - Length = 6.5"
 - Width = 3.8"
 - Weight = 1.5 pounds
- Pressure Rating:** Maximum 232 psi
- Temperature Range:** 33°F < 122°F. Protect the meter from freezing
1°C < 50°C
- GPM Range:** .1 – 22 GPM Continuous 16 GPM
.38 – 83.3 LPM Continuous 60.6 LPM
- Accuracy:** +/- 2.0% of maximum flow when operating between minimum and maximum flow range
- Meter Options:** 750VPDG-1 (Gallons)
750VPDL-1 (Liters)
- Contact Points:** 1 Gallon per contact (1GPC) = 750 VPDG-1
1 Liter per contact (VPDL-1) = 750VPDL-1
- Meter Housing:** Corrosion resistant body made of engineered plastic
- Features:**
- Rotary Piston
 - Back flow prevention – internal no-return valve
 - Register is liquid filled and sealed for easy reading and long term clarity
 - Magnetic Drive
 - Integral Strainer



Installation Instructions:

1. Flush the line thoroughly after all plumbing changes to prevent contaminants from entering the meter.
2. Meter can be mounted in any position AND the meter should be constantly full of water.
3. For outdoor installation, protect meter from freezing and direct exposure to the elements.

Warranty: Carlon Meter, Inc. warrants its products to be free of defect in material or workmanship for a period of twelve months from the date of purchase. Contact us to obtain a copy of our complete statement of warranty.