

Dwyer

SERIES WVT

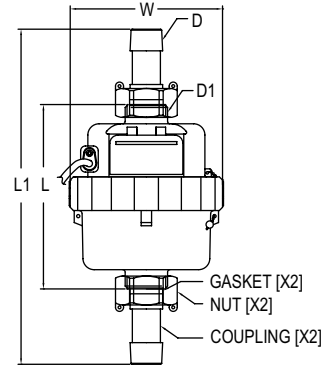
VERTICAL WATER METERS

Polymer Body, Vertical or Horizontal Installation, Pulse Output



DIMENSIONS CHART

Spud Size	Length "L" in [mm]	Length with NPT Coupling "L1" in [mm]	Width "W" in [mm]	Weight lb [kg]
G3/4	4.53 [115]	8.23 [209]	3.78 [96]	1.15 [0.52]
G1	6.50 [165]	10.16 [258]	4.17 [106]	1.34 [0.6]



The **Series WVT Vertical Water Meter** is a series of rotary piston water meters that display total water usage. The piston displacement technology results in accurate and reliable operation in either horizontal or vertical mounting. Polymer and stainless steel construction provides high durability and environmental resistance at an economical price. The optional pulse output can be used for flow verification and totalization. Adapter couplings are included to convert BSPP threads on the meter to NPT.

FEATURES/BENEFITS

- Accurate flow measurement in vertical and horizontal orientations
- Polymer materials prevent corrosion and chemical damage
- Pulse output for flow monitoring
- One-way valve prevents backflow into the meter

APPLICATIONS

- Irrigation Flow monitoring
- Water usage in manufactured equipment
- Residential water metering

SPECIFICATIONS

Service: Water.
Wetted Materials: ABS, POM, SS, Buna-N.

Flow Range: See model chart.
Accuracy: Nominal flow: $\pm 2\%$;
 Transitional flow: $\pm 5\%$.

Temperature Limit: 122°F (50°C).
Pressure Limit: 150 psi (1034 kPa).

Totalizing Display Maximum:
 999,999.99 gallons.

Output Signal: Pulse output with frequency proportional to flowrate.

Pulse Rate: 0.05 gal/pulse.

Electrical Rating: 0.01 A @ 24 VAC/DC.

Electrical Connections: 3.5mm² stranded color-coded lead wires, 5' (1.5 m) length.

Mounting Orientation: Horizontal or vertical.

Weight: See dimension chart.

MODEL CHART

Model	Meter Size	Coupling Size	Output	GPM (Gallons Per Minute)		
				Min Flow	Transitional Flow	Max Flow
WVT-A-01	3/4"	1/2" NPT	None	0.07	0.11	13.75
WVT-A-02	1"	3/4" NPT	None	0.11	0.18	22
WVT-A-01-1	3/4"	1/2" NPT	Pulse	0.07	0.11	13.75
WVT-A-02-1	1"	3/4" NPT	Pulse	0.11	0.18	22