

# STD<sup>®</sup> METERS



Think all totalizing meters are the same? Think again. Carlon STD<sup>®</sup> positive displacement water meters are best in class when it comes to accuracy, durability and ease of maintenance all at a surprisingly low cost. Featuring all bronze castings in sizes from ½" to 2", Carlon STD<sup>®</sup> meters can handle flow rates from ¼ GPM to 160 GPM and pressure up to 150 psi. The STD<sup>®</sup> meter meets or exceeds all AWWA specifications, ensuring a wide acceptance in a variety of industrial and commercial environments.



1710 EATON DRIVE • GRAND HAVEN, MICHIGAN 49417  
PHONE (616) 842-0420 • FAX (616) 842-1265  
E-MAIL [CARLON@CARLONMETER.COM](mailto:CARLON@CARLONMETER.COM) • WEBSITE [WWW.CARLONMETER.COM](http://WWW.CARLONMETER.COM)

## METER SELECTION CHART

METER / PIPE SIZE	MODEL	*CONTINUOUS FLOW	FLOW RANGE	WEIGHT	LENGTH	HEIGHT	WIDTH
5/8" X 1/2"	STD062	10 GPM	1/4 – 20 GPM	7.2 lbs.	7 1/2"	5 1/4"	4 3/8"
5/8" X 3/4"	STD0621	10 GPM	1/4 - 20 GPM	7.5 lbs.	7 1/2"	5 1/4"	4 3/8"
3/4" X 3/4"	STD075	15 GPM	1/2 - 30 GPM	9.3 lbs.	9"	5 3/4"	4 1/2"
1"	STD100	25 GPM	3/4" - 50 GPM	17.8 lbs.	10 3/4"	6 1/4"	6 5/16"
1 1/2"	STD150	50 GPM	2 - 100 GPM	25.0 lbs.	12 5/8"	6 11/16"	7 9/16"
2"	STD200	80 GPM	2 – 160 GPM	38.0 lbs.	15 1/4"	7 1/4"	8 3/4"

**\*Continuous Flow:** The size of meter selected should be based upon continuous flow, GPM, as opposed to pipe size. For example, if it is determined that continuous flow is 25 GPM, a 1" meter should be selected rather than a 3/4" meter.

**ORDERING INFORMATION:** Select the meter model number from the Meter Selection Chart above. Add a **G** for Gallon reading or a **C** for Cubic Feet reading (call factory for other register reading abbreviations).

Example: 1" Meter, Gallon Register = STD100-G.

### SPECIFICATIONS

**Pressure Rating:** 30 - 150 psi.

**Temperature Range:** 35° - 105°F. Protect the meter from freezing.

**PH Level Range:** 6.5 – 8.0

**Accuracy:** +/- 1.5% of maximum flow when operating between minimum and maximum flow range.

**Register Options:** U.S. Gallons and Cubic Feet

#### Installation Instructions:

1. Flush the line thoroughly after all plumbing changes to prevent contaminants from entering the meter.
2. Install horizontally with the register facing up and inlet port facing the water supply line.
3. For outdoor installation, protect meter from direct exposure to the elements.
4. Protect meter from backflow of water opposite of indicated flow direction.

#### Helpful Hints:

1. All valves used in a water line need to be operated slowly, and all electrically actuated valves should be slow closing. This will help eliminate possible meter damage from water hammer in your system. Carlon offers an excellent slow closing valve (SCV).
2. Install a strainer upstream of your water meter to protect the meter and any other in-line process equipment from becoming jammed by particulate matter.

**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.