

## METER CAPACITIES

Model	Size	Normal Flow	Maximum Flow
STD062	5/8" X 1/2"	10 GPM	20 GPM
STD0621	5/8" X 3/4"	10 GPM	20 GPM
STD075	3/4" X 3/4"	15 GPM	30 GPM
STD100	1"	25 GPM	50 GPM
STD150	1 1/2"	50 GPM	100 GPM
STD200	2"	80 GPM	160 GPM

**Note:** 5/8" - 1" meter ends have straight threads, not tapered.



01/16

### CARLON METER, INC. • PRODUCT WARRANTY

Carlson Meter, Inc. (hereinafter Carlson or "the company") warrants products of its manufacture to be free of defects in material or workmanship. Liability under this warranty extends for twelve (12) months from the date of purchase. Liability is limited to repair or replacement of any failed product or assembly proven to be defective in material or workmanship upon manufacturer's examination. Removal and installation costs are not included under this warranty. Manufacturer's liability shall never exceed selling price of the meter or assembly in question. Carlson disclaims all liability for damage its products caused as the result of improper installation, maintenance, use or attempts to operate products beyond their intended functionality, intentionally or otherwise. Carlson is not responsible for damages, injuries or expenses incurred through the use of its products. The above warranty is in lieu of all other warranties, either expressed or implied. No agent of the company is authorized to alter or otherwise revise this warranty.

\*For complete specifications, visit our website [www.carlonmeter.com](http://www.carlonmeter.com)

## Installation and Operating Instructions

### Model STD® Totalizing Meters

1/2" thru 2" sizes



*Leaders in water measurement and control*

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## STD® Installation Instructions

1. Flush the line thoroughly after plumbing changes to eliminate the possibility of foreign materials damaging the meter.
  2. Operating pressure is 30 to 150 psi.
  3. Install meter horizontally with the register facing up and the inlet port facing the supply water line.
  4. It is recommended that if there is any possibility the water supply contains foreign materials, a strainer should be installed between the supply and the meter.
  5. It is not recommended that the meter be run for long periods of time at the maximum rating as excess wear will result and the life of the meter will be reduced.
  6. To reduce potential harmful effects to equipment from water hammer caused by quick closing valves, it is suggested that you purchase and install a **Carlton** slow-closing ball valve.
  7. Protect the meter from freezing and from heat in excess of 105° F.
  8. Protect meter from any backflow of water opposite indicated direction of flow.
  9. For outdoor installation, protect the meter and remote counter from direct exposure to the elements.
- Straight unobstructed pipe section upstream of meter as follows:
    - Inlet Path - One Bend = 10 X Diameter
    - Valves (check, gate, etc.) = 12 X Diameter
    - Two bends or one tee and one bend or bends at random = 25 X Diameter
  - Straight unobstructed pipe section downstream of the meter as follows: 5 X Diameter of Pipe

## STD® Parts List

Standard Meters 5/8" thru 2"

1	Brass Lid/Ring Assembly	A-21	Universal Lower Drive Assembly
2	Register	27	Measuring Chamber Bottom - Only
13	Upper Main Case	28	Piston
14	Lower Main Case	29	Control Roller
15	Main Case Gasket	30	Division Plate
18	Main Case Bolt	31	Screen
19	Msrng. Chmbr. Top - Complete Assmblly	32	Screen Screw
20	Measuring Chamber Top - Only	33	Msrng. Chmbr. Assm. - Complete
		35	Chamber Seal Gasket

