METER CAPACITY

Model	Size	Normal Flow	Maximum Flow*
750SSMVR	¾" X ¾"	15 GPM	½ - 30 GPM

Note: All meter ends have straight threads, not tapered.

METER MAINTENANCE

The only suggested maintenance is to annually remove the meter from the water line and gently back flush the meter to remove particles that may have been trapped by the strainer. Back flushing is running the water into the meter from the outlet side instead of the normal flow direction. If some unusual evidence of meter performance is observed during maintenance, please contact the factory.

A broken tamperproof wire & seal indicates the meter has been disassembled.

08/25

CARLON METER, INC. • PRODUCT WARRANTY

Carlon Meter, Inc.(hereinafter Carlon 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. Carlon 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. Carlon 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* www.carlonmeter.com

Installation and Operating Instructions

Model SSMVR®

Stainless Steel Series Vertical Water Meter

3/4" x 3/4" Size

NSF / ANSI 61 Annex G Listed

Leaders in water measurement and control

1710 Eaton Drive
Grand Haven, MI 49417

Ph: (616) 842-0420
E-mail: carlon@carlonmeter.com

Website: www.carlonmeter.com

SSMVR® Multi-Jet Meter Installation Instructions

1. Flush the line thoroughly after plumbing changes to eliminate the possibility of foreign contaminants reaching the meter.

2. Install meter vertically with the register facing up and the inlet port (bottom of meter body) facing the supply water line.

3. It is recommended that if there is any possibility that the water supply contains foreign contaminants, a strainer should be installed between the water supply and the meter.

4. It is not recommended that the meter be run for long periods of time at the maximum flow rating as excess wear will result and the life of the meter will be reduced.

5. To reduce potential harmful effects to equipment from water hammer caused by quick closing valves, it is suggested that you purchase and install a **Carlon** slow-closing ball valve.

6. Protect the meter from freezing and from heat in excess of 120° F.

7. Protect meter from any backflow of water, opposite indicated direction of flow.
   TIP: Install a check valve 12 x's diameter of pipe upstream of meter

8. For outdoor installation, protect the meter from direct exposure to the elements.

- The straight, unobstructed pipe section in front of the meter should be as follows:
  One Bend = 10 x Diameter of pipe
  Valves (check, gate, etc.) = 12 X Diameter of pipe
  Two Bends or One Tee and one bend(s) at random = 25 X Diameter of pipe

- Straight, unobstructed pipe section downstream of meter = 5 X Diameter of Pipe

SSMVR® (Remote Reader) Meters:

In addition to the multi-jet meters, a reed switch is supplied which is set to activate every time a gallon of water passes through the meter. The universal remote furnished with the meter is battery operated, self powered and recieves the signal from the reed switch.

Display:	UV Protected Liquid Crystal, 8 Digit
Housing:	NEMA-4
Dimensions:	Height 4¾", Width 3", Depth 1"
Operating Temperature:	35° F to 122° F
Max Operating Pressure:	150 psi

A31UR® Universal Remote Installation:

1. **You need to provide:**
   2 - #10 pan head screws of the appropriate length for the surface the remote is going to be mounted on. Wire for connecting the meter to the remote. **Note:18 to 22 gauge twisted pair wire is recommended.**

2. Use the locating notches on the back plate to locate the proper position to drill the mounting holes.

3. Mount the screw into the top hole and leave just enough room for the key-hole notch to allow the remote to slide down and secure the box at the top.

4. Remove the bottom cover and keep available to replace when finished.

5. Connect the wire from the meter's switch to the remote.

6. **Use the terminals COM** (Common) **& RS** (Reed Switch). There is no polarity to the wiring for a reed switch. Attach the wires coming from the meter to remote by putting one wire on the **COM** (Common) terminal and the other wire on the **RS** (Reed Switch) terminal.

7. Secure the remote to the wall by installing the second screw through the second hole from the bottom. This hole DOES NOT have wire in it.

8. Replace the cover and mounting has been completed.