

Installation and Operating Instructions

Model Turbine Meter Cold Water Series

2" through 8" sizes



06/22

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, please visit our website: www.carlonmeter.com



Leaders in water measurement and control

1710 Eaton Drive
Grand Haven, MI 49417

Ph: (616) 842-0420

Fax: (616) 842-1265

E-mail: carlon@carlonmeter.com

Website: www.carlonmeter.com

Turbine Meter Installation Instructions

1. Flush the line thoroughly after plumbing changes to eliminate the possibility of foreign materials reaching the meter and/or valve. There should be no mechanical stress to the meter when installing. Flange seals are not to protrude in pipe.
2. Do not exceed an operating pressure of 232 psi
3. Install meter horizontally or vertically with the inlet port facing the supply water line. To avoid air accumulating, install meter at the lowest possible point. Arrow mark shows correct direction of flow.
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. When installation is complete, fill the line slowly to prevent pressure shocks damaging the meter.
5. The meter is designed to handle a continuous flow rate (shown on meter label) of approximately $\frac{1}{2}$ of the maximum flow rate. 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. Do not exceed maximum water temperature rating of 122°F. Protect meter from direct exposure to the elements and freezing.
7. Protect meter from any backflow of water opposite indicated direction of flow.
8. For EC Models: Connect the two wires from the pulse head to the meter input on the controlling device. The switch is rated for a maximum of 24v AC/DC, 10mA (for maximum life). The switch is a normally open type. Connect your controlling device to the water treatment equipment (pumps, valves, etc.).

- Straight unobstructed pipe section upstream of meter as follows:
 - Inlet Path - One Bend = 10 X Diameter of Pipe
 - Valves (check, gate, etc.) = 12 X Diameter of Pipe
 - Two bends or one tee and one bend or bends at random = 25 X Diameter of Pipe
- Straight unobstructed pipe section downstream of meter = 5 X Diameter of Pipe

SPECIFICATIONS

Meter Housing: Cast Iron Epoxy Coated, Inside & Outside
Maximum Operating Pressure: 232 psi
Maximum Temperature: 122° F
PH Level Range: 6.5 - 8.0

EC (Electric Contacting) Models:
Reed Switch: Dry Contact, Normally Open
Maximum Switching Voltage: 24v AC/DC
Maximum Current: 10mA (for maximum life)