

Installation and Operating Instructions

Model Turbine Meter Hot and Cold Series Water Meter

2" through 8" sizes



05/15

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For complete specifications, please visit our website: www.carlonymeter.com



Leaders in water measurement and control

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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 on C Series. Pressure rating for H Series: 7 - 227 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 ½ 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 on H Series meters of 250°F and on our C Series meters of 122°F. Protect meter from 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 24 Volts AC/DC, 100mA. 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

EC Models:

Maximum Switching Voltage 24 Volts AC/DC
Maximum Current 100mA
Dry Contact, Normally Open Switch

Maximum Temperature

H Series 250° F
C Series 122° F

Maximum Operating Pressure

H Series 7 - 227 psi
C Series Maximum 232 psi