

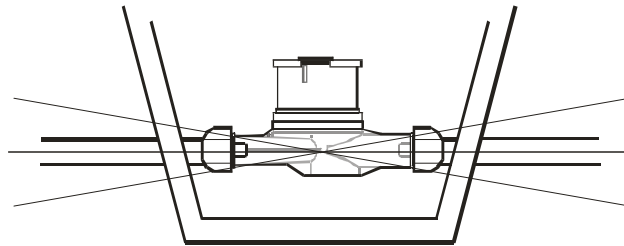
Meter Installation Instructions

Installation Preparation



1. Meter is intended for measuring potable, cold water in one direction only.
2. Meter must be installed in a horizontal pipeline with the register facing upward and readily accessible for reading. To meet accuracy specifications, the meter should not be mounted at more than a 10% angle (either slanted along the pipe or tilted to the side).
3. In most applications, no straight pipe length, upstream or downstream is necessary.
4. Under normal usage conditions the Spectrum is not affected by sand or suspended particles and does not require a strainer.

Meter must be within
+/- 10% of horizontal
(tilt and slant) to
achieve specified
accuracy.



Installation Procedures

1. A suitable shut-off valve stop should be installed upstream of the meter so service may be shut off without inconvenience to the customer whenever the meter must be removed. Downstream valves are also convenient but not required.
2. Clean and flush the service line thoroughly on the inlet side of the meter before installing the meter.
3. Remove the thread protectors and set the meter with the arrow on the meter body pointed toward the outlet (customer's side).
4. To insure unrestricted flow of water through the meter, use the proper size and type of gaskets. Connections to the setter, horn or yoke/box should only be sufficiently tightened to seal; do not over-tighten.
5. Do not try to install a meter in a setting which is too long for the meter or if the pipes are not properly aligned. This can damage the meter threads or casting.
6. When tightening the coupling nuts, verify that the gasket is properly seated. A crimped or folded gasket can cause a leak.
7. After the meter is installed, open the inlet shut-off valve slowly until the meter is full of water and verify that there are no leaks.
8. Open a faucet downstream of the meter slowly to evacuate air in the line and to insure that no foreign debris in the water obstructs the operation of the meter. Do not charge the line too quickly as this can damage the meter's internal components.

NOTE: For brass meters, install an electrical grounding strap around the meter for maintenance safety while repairing or removing meter.

NOTE: Caution and proper installation techniques should be taken in areas where freezing can occur. Insulation and air space techniques can help avoid the service/meter from freezing.

NOTE: Consult the latest American Water Works Association (AWWA) Manual for additional details on water meter installations.