

Single / Multi jet meters / Cartridge meters

General notes

- Water meters are precision instruments. Protect against shock and vibration. Storage under cool, dry and frost free conditions.
- The sealing surfaces are equipped with thread protection caps, and thus protected from damage.
- Check and ensure before beginning the installation:
 - That the sealing faces are flat and free from damage such as notches, grooves, etc..
 - That all indications on the dial are readable. (Data regarding the flow rates are depending on the respective nominal size).
 - The meter fits in type, size, temperature and pressurating to the installation and metering point.
- With polluted or loaded water we recommend that filters or strainers in the inlet must be installed upstream of the meter.
- The meter should always be installed at the lowest possible point of the piping as well as frost protected, to prevent the accumulation of air and damages.
- The watermeter must be installed into the pipeline free of any of mechanical forces or tensions.
- Watermeters must be operating completely filled with water - for wet dial meters this includes also the counter!
- The meter must be protected with appropriate measures against pressure shocks in the pipeline.
- When there is danger of frost, empty completely and shut off the installation (including the meter), if necessary, dismount the meter.
- The meter must always be easily accessible and legible, including all indications on the dial.
- We recommend that the installation points on the pipeline should be secured with a seal against unauthorized dismounting. The seal should not be removable or loosened without visible damage.

- The installation has to be done by qualified professional personnel. We would refer to the applicable rules of the DIN ISO 4064:2014, Part 5.
- All series has been approved with a flow sensitivity class U0/D0 (no inlet outlet section required).
- All series are not approved for backflow measuring.

Installation:

1. Read these instructions carefully right up to the end!
2. Close valves upstream and downstream of the meter.
3. Release pressure at the installation point.
4. Dismount existing meters or meter blanks.
5. Use only new and flawless sealing material.
6. Check the gasket faces and threads for damages/ imperfections.
7. Install the new meter according to the correct flow-direction and installation position. Ensure that the sealing joints do not fall out, or are being damaged.
8. Screw the connection nuts and tighten them.
9. Open vales carefully and avoid pressure shocks, purge adequately.
10. Check installation for leakage. The dial and the indications regarding the conformity /metrology must be visible and readable at any time.

Additional instructions for installation of plastic meter:

- In order to guarantee a stress-free installation, we recommend the use of a water meter installation bracket (WZAG).
- Recommended tightening torque for the connectors: min. 20Nm up to max. 30Nm.

The declaration of conformity is included in the delivery. This and the latest information about the product can also be found at www.zenner.com

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