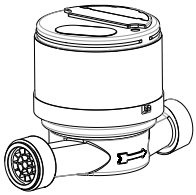
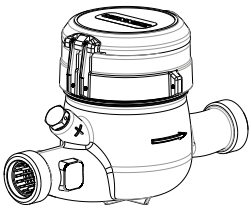
EnergieTechnik

Einstrahl-/Mehrstrahlzähler/Patronenzähler



Montage- und Bedienungsanleitung

Einstrahl-/Mehrstrahlzähler/Patronenzähler

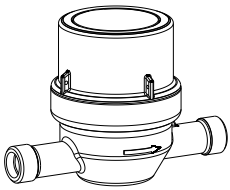


Installation and operating instructions

Single/Multi jet meters/Cartridge meters

Notice d'installation et d'utilisation

Compteurs à jet unique/à jets multiples et à cartouche



Manual de montaje y operación

Contadores de chorro único/de chorro múltiple/Contadores de cartuchos

Istruzioni per il montaggio e l'utilizzo

Contatori a getto unico/multiplo e a cartuccia

Beépítési és kezelési útmutató

Egysugaras / Többsugaras vízmérőkhöz

ZENNER

Alles, was zählt.

General notes

- Watermeters 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 readble*.
  - The meter fits in type, size, temperature and pressurerating 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 qualifi professional personnel. We would refer to the applicable rules of the DIN ISO 4064:2015, Part 5.

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 seal face for damage.
7. Install the new meter according to the correct flowdirection 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.

Declaration of conformity

ZENNER International GmbH & Co. KG declares that the product with the number of one of the EC type-examination certificates DE-06-MI001-PTB005, DE-06-MI001-PTB006, DE-07-MI001-PTB009, DE-08-MI001-PTB016, DE-08- MI001-PTB017, DE-07-MI001-PTB010, DE-13-MI001-PTB001, DE-15-MI001-PTB004, CH-MI001-10040 or CH-MI001-14062 complies with the essential requirements of the EC directive 2004/22/EC (Measuring instruments directive).
ZENNER International GmbH & Co. KG hereby declares that the product for Remote Metering with the application Wireless Communications complies with the essential requirements of the EC directive 1999/5/CE (R&TTE).
The most up-to-date information about this product can be found at www.zenner.com

* Data regarding the flow rates are depending on the respective nominal size.