



## Bath tub water meter "ECO" for installation between armature and inflow

Compact version armature and measuring head incl. rosette –  
for modular radio, M-Bus and pulse systems

- Easy on site retrofitting of the meter
- Usage of different radio systems with 868 MHz-technique and reverse flow detection
- Optional retrofitting capability with radio, M-Bus or pulse module
- MID approved
- Temperature range up to 50 °C (cold) and up to 90 °C (warm)





## Technique

The measuring of the flow rate is made by a hydraulic impeller sensor. The rotations of the impeller wheel are transmitted to a mechanical counter through a magnetic coupling. It is displayed by an 8-digits roller counter and a pointer (one pointer turn corresponds to 1 liter). The star in the middle of the counter is rotating when water flows through the meter. The BWZ measuring head is compatible with further products on the market.

## Usage

For measuring the water consumption in:

- Service water systems of residential or non-residential constructions
- Water supply systems of any kind
- Apartment buildings, office buildings and administration buildings

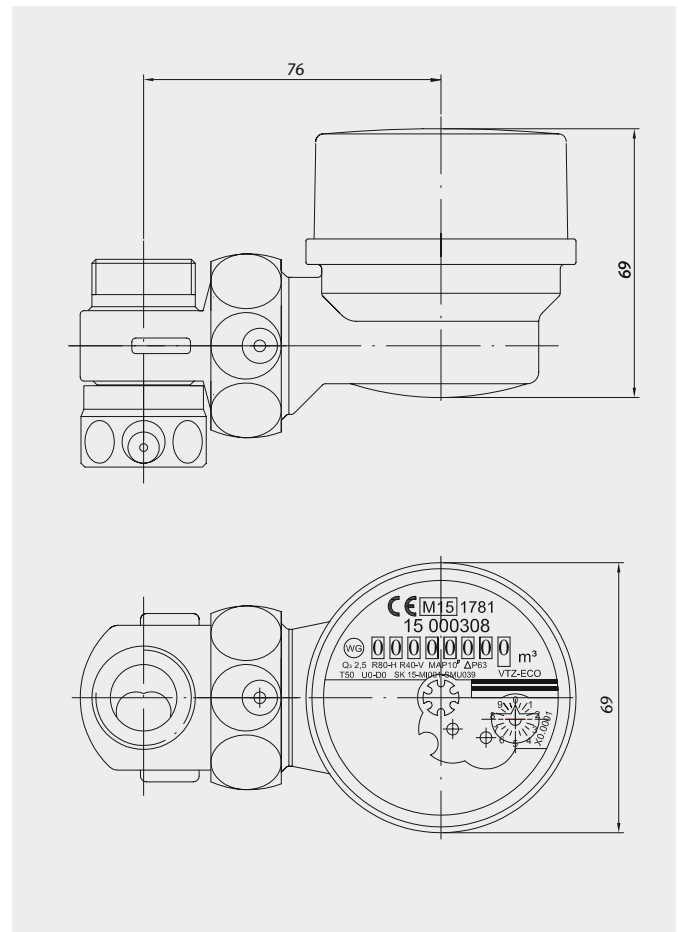
Typical consumers are:

- Service water systems of residential or non-residential constructions
- Building service companies and estate management

## Type

The meter is a single jet - impeller counter version. It contains an impeller sensor and a counter which functions as a dry dial. The bath tub meter can be installed by using a suitable connection piece. Meter housing and connection piece are chromium-plated. The counter is protected by a transparent plastic cap. The display has an 8-digits roller counter and a pointer for the current consumption. Both show the consumption with a scale of 0,1 l. A turnable star shows the flow rate. The counter can be placed in an easy readable position by rotating it around its own axis.

## Bath tub meter with connection piece 1/2", 3/4"

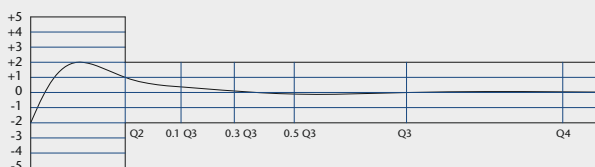




## Technical data

BWZ			
Temperature	T		50, 90
Nominal size	DN	mm	15
Weight BWZ incl. connection piece	kg		0.88
Admitted pressure load	bar		10
Minimal flow rate	$Q_1$ H	m <sup>3</sup> /h	0.03125
	$Q_1$ V	m <sup>3</sup> /h	0.0625
Transitional flow rate	$Q_2$ H	m <sup>3</sup> /h	0.05
	$Q_2$ V	m <sup>3</sup> /h	0.1
Permanent flow rate	$Q_3$	m <sup>3</sup> /h	2.5
Overload flow rate	$Q_4$	m <sup>3</sup> /h	3.125
Measuring accuracy range	$Q_3/Q_1$	H	80
	$Q_3/Q_1$	V	40
Ratio	$Q_2/Q_1$		1.6

### Error curve



### Pressure loss curve

