



Valve meter compact "ECO" for installation on concealed valves

**Compact version "ECO" - armature and measuring head
for modular radio, M-Bus and pulse systems**

- Especially for installation on apartment shut-off valves
- The shut-off device is elegantly integrated in the meter armature
- Cold water 50°C, warm water 90°C
- Pre-equipped for radio, M-Bus or pulse transmission





Very quick installation, effective component-types

The unscrewing of the existent shut-off valve and the insertion of the valve meter can be made with only a few handles. The three executions in the most common inch sizes can be easily fitted to the standard conditions of existing installations. Concealed valves in existing installations which have been installed opposite to the normal direction of flow can be corrected with a flow convertor without breaking the wall. The armature of the valve meter can be lengthed by 25 mm with the VTZ extension piece.

Elegant design, fits every surrounding

If necessary and on demand we can deliver the chromium-plated execution of the valve meter for the safety area. The meter can be turned 360° in three directions and allows a secure reading of the measuring values in every corner without restrictions.

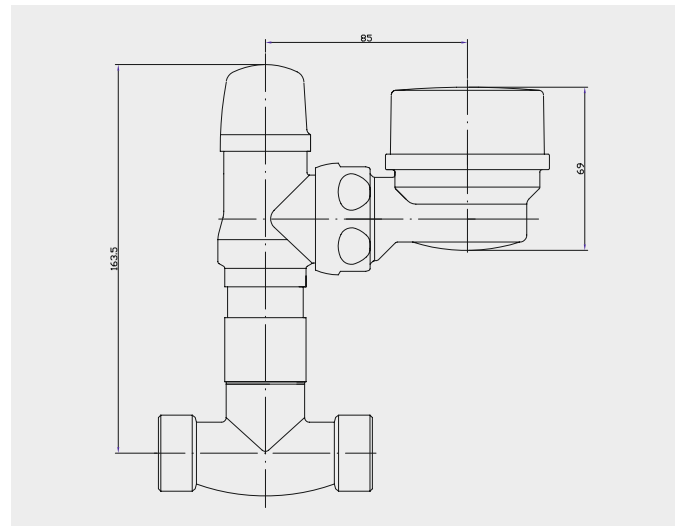
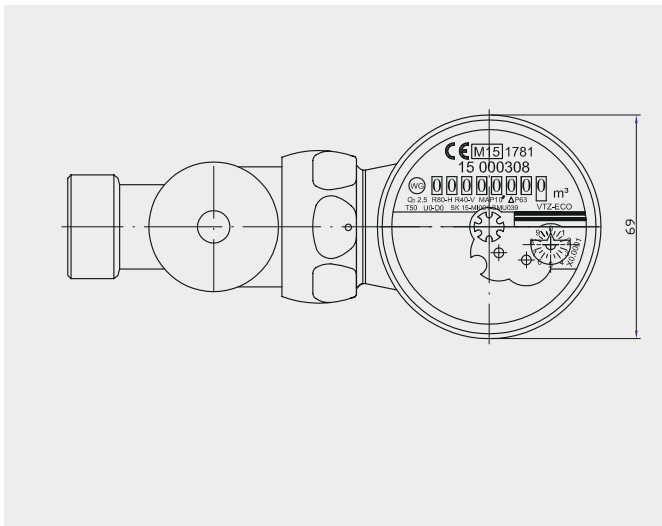
Extension

The extension allows an extension of the valve meter armature of 25 mm each. (It doesn't make sense to mount more than 2 extensions; it's preferable to use the 90 mm connection kit.)

Flow convertor

If the existing shut-off valve is installed opposite to the regular flow direction, you can use a flow convertor instead of the connection kit.

Technical data: valve meter compact "ECO"



The water meter with conformity assessment can easily be exchanged once the prescribed time period has expired. This exchange meter are compatible with existing Allmess valve meters CONTROLLER-V since year of construction 1984.

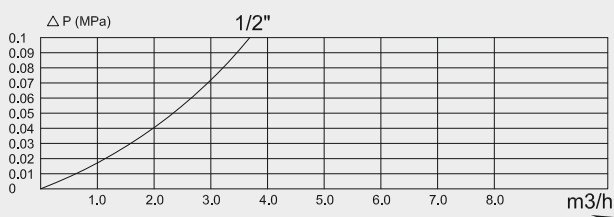




VTZ compact ECO

Temperature	T		50, 90
Nominal size	DN	mm	15
Weight			
Valve meter with armature		kg	1.25
Measuring head ECO			0.52
Metrological class R H80 / V40			
Admitted pressure load		bar	0.3 - 10
Calibration error limits			
$Q_1 \leq Q < Q_2$			±5%
$Q_2 \leq Q \leq Q_4$ (Cold water up to 30°C)			±2%
$Q_2 \leq Q \leq Q_4$ (warm water up to 30°C)			±3%
Minimal flow rate	Q_1 H	m ³ /h	0.03125
	Q_1 V	m ³ /h	0.0625
Transitional flow rate	Q_2 H	m ³ /h	0.05
	Q_2 V	m ³ /h	0.1
Permanent flow rate	Q_3	m ³ /h	2.5
Overload flow rate	Q_4	m ³ /h	3.125
Measurement accuracy range	Q_3/Q_1	H	80
	Q_3/Q_1	V	40
Ratio	Q_2/Q_1		1.6

Pressure loss curve



Error curve

