QUNDIS™
ADVANCED MEASURING SOLUTIONS.

Datasheet

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Mechanical water meter

Q water 4 (WEH)

in measuring capsule version

Mechanical MID-conform meter for determining water consumption in water supply systems.

The mechanicel water meter Q water 4 (WEH) has been designed as a multi-jet dry running meter for a nominal flow of Q_3 2,5 m³/h.

There are a total of 12 product variants available for direct installation in connection interfaces (EATs) from different manufacturers.

Numerous product variants also available as a set, consisting of Q water 4 (WEH) with factory assembled and preconfigured Q module 5.5 water.

Application

The mechanical water meter used for measuring water quantities. The main areas of application are in water supply systems where the water is outputted individually to different consumers.

This is meaningful in:
- Apartment buildings
- Offices and administration buildings

Typical users are:
- Private building owners
- Housing associations
- Building service companies
- Property management compaies

Functions

- Measurement of water consumption
- Display of consumption values

Technology

Measuring principle
The meter operates based on the multi-jet measuring principle where the water jet hits the impeller tangentially. The impeller‘s speed is sensed magnetically.

Version

The meter is made up of the measuring capsule and the calculator unit. The capsule is installed in the respective single-pipe connection piece (EAT). It is made of plastic and contains the measuring chamber with the multi-jet impeller wheel sensor. The calculator unit can be turned through 360° on the volume meter.

The water meter is equipped with a QUNDIS-specific Data Matrix code. It is located on the meter‘s marking plate, on the packaging and on the outer packaging and contains the serial number, the complete article number, the year of the conformity assessment and the number of products.

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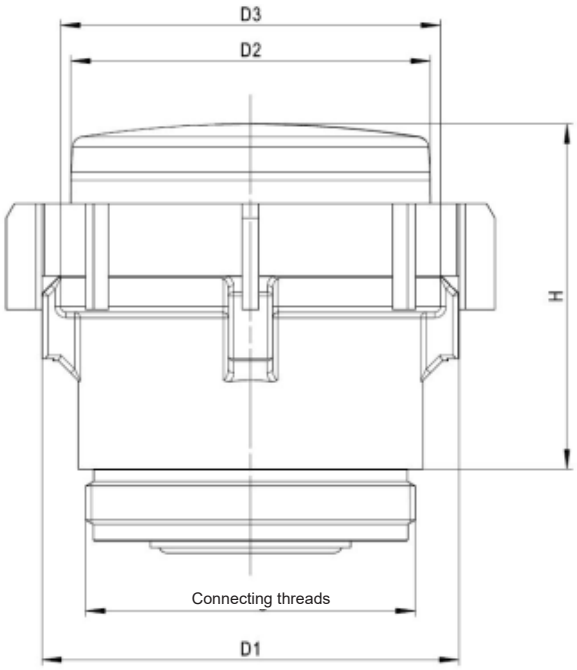
Technical Data

Meter type			WMM4 xxxx **4**	WMM4 xxxx **6**	WMM4 xxxx **8**	WMM4 xxxx **A**	WMM4 xxxx **C**	WMM4 xxxx **E**	WMM4 xxxx **G**(1)	WMM4 xxxx **J**	WMM4 xxxx **T**	WMM4 xxxx **V**	WMM4 xxxx **W**	WMM4 xxxx **X**
Meter size / permanent flowrate Q_3		m^3/h	2,5											
corresponds to previous nominal size Q_n		m^3/h	1,5											
Suitable for EAT			IST	A34	TE1	MOC/MOE	MET / HT3	HT2	MB2	MB3	DM1	MUK	WE1	WGU
Connection thread			G2“	M77 x 1,5	M62 x 2	M65 x 2	M64 x 2	M66 x1	M80x1,5	M76 x 1,5	M60 x 2	G2 ¼“	M78 x 1,5	M66 x 1,25
Performance data														
Overload flow rate Q_4		m^3/h	3,125											
Transition flow rate Q_2	(H/V)	l/h	50/100											
Min. Flow Rate Q_1	(H/V)	l/h	31,25/62,5											
Measuring range (MID) Q_3/Q_1	(H/V)		R80/R40											
Permanent flowrate Q_3		l/h	2.500											
Temperature class MAT		°C	Cold water T30 Hot water T30/T90											
Perm. operating pressure MAP		bar	16											
Mechanical class			M1											
Protection rating			IP 64											
Inflow/outflow zone			U0/D0											
Ambient conditions			Ambient class B; temperature range 5 - 55°C											
Drinking water approvals			Germany: KTW, W270											
See dimension drawing: Height		mm	62	60	65	35	35	51	44	45	55	35	46	52
See dimension drawing: D1		mm	75						-	75				
See dimension drawing: D2		mm	65											
See dimension drawing: D3		mm	71											
Weight		kg	0,4	0,5	0,1	0,2	0,2	0,4	0,5	0,5	0,4	0,3	0,5	0,4

(1) Set not available.

Dimension drawing



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