

Multi-Jet Dry Meter Volume Measuring Unit

MTW- _WK VM, MTH- _WK VM



Due to their precision and reliability, our Multi-Jet Dry Meter Volume Measuring Units are an important component of modern building technology.

- Ready for integration into any AMR system
- Temperature range up to 90 °C (warm) and up to 120 °C (hot)
- Nominal flow Q_p 1,5 up to Q_p 15
- Nominal size DN15 up to DN50
- Length 105 mm up to 300 mm
- Pulse valencies from 10 litres up to 100 litres per pulse (additional available on request)
- MID measurement accuracy class (Q_3/Q_1) up to 25:25:1 horizontal and vertical
- 5- or 8-digit-contact totalizer
- Cable length from 2 m up to 3 m
- Tamper-proof due to metallic cover
- Maximum pressure load 1,6 MPa
- Protection class IP65

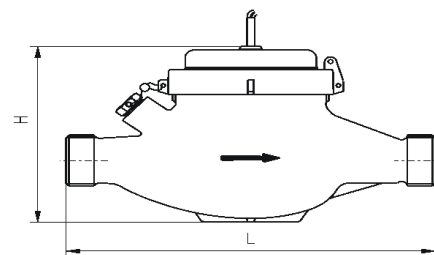
Multi-Jet Dry Meter Volume Measuring Unit

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TECHNICAL DATA

Model

MTW- ... = Warm water from +0,1 °C up to +90 °C
 MTH- ... = Hot water from +0,1 °C up to +120 °C



Installation position	Model	Length* L in mm	Height H in mm (ca.)	Nominal flow Q _p in m ³ /h	Nominal width DN in mm	Thread in inch	Starting flow** in l/h	Flow rate Q' at 1 bar pressure loss in l/h (ca.)	Weight in kg (ca.)
horizontal	MTW-HWK MTH-HWK	165	132	1,5	15	G ¾ B	13	3500	1,5
		190	132	2,5	20	G 1 B	13	5600	1,6
		260	150	3,5	25	G 1 ¼ B	18	12500	2,9
		260	150	6	25	G 1 ¼ B	18	12500	2,9
		260	150	6	32	G 1 ½ B	18	12500	2,9
		300	171	10	40	G 2 B	38	24000	4,9
		270	185	15	50	G 2 ½ B	38	31000	10
ascending	MTW-SWK MTH-SWK	105	142	1,5	20	G 1 B	13	5500	1,7
		105	142	2,5	20	G 1 B	13	5500	1,7
		150	162	3,5	25	G 1 ¼ B	18	12500	2,8
		150	162	6	25	G 1 ¼ B	18	12500	2,8
		150	207	16	40	G 2 B	38	26000	4,7
descending	MTW-FWK MTH-FWK	105	142	1,5	20	G 1 B	13	5500	1,9
		105	142	2,5	20	G 1 B	13	5500	1,9
		150	162	3,5	25	G 1 ¼ B	18	12500	2,8
		150	162	6	25	G 1 ¼ B	18	12500	2,8
		150	207	16	40	G 2 B	38	26000	4,7

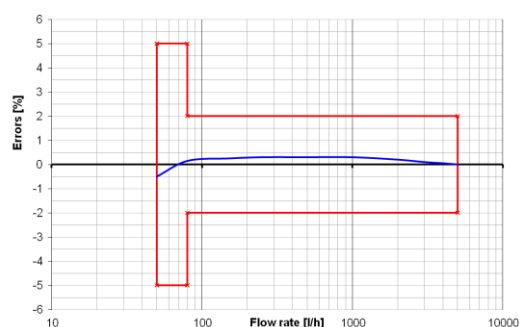
* Additional lengths available on request

** Typical values in horizontal installation position

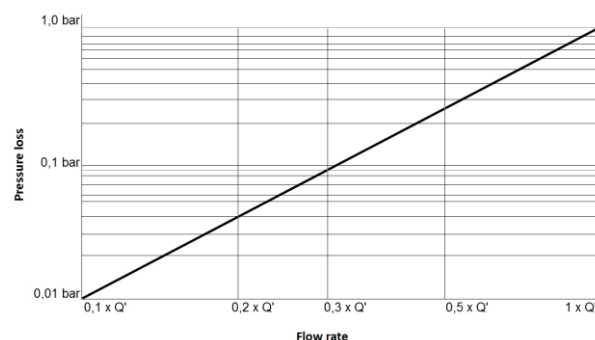
The meter does not require any upstream or downstream straight length (U0/D0).

Subject to errors and alterations.

Typical error curve Q_p 2,5 50:1



Typical pressure loss graph



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TECHNICAL DATA

Direct switching voltage up to:	200 V
Switching current:	500 mA
Switching time:	0,5 ms
Transport current:	500 mA
Transition resistance:	150 mOhm
Capacity:	0,2 pF

Additional technical data available on request.

Subject to errors and alterations.

APPROVALS / CERTIFICATES / STANDARDS

- EU-Type Examination Certificate according to 2014/32/EU (MID)
- OIML R49
- EN 14154
- KTW / W270 (D)

ADDITIONAL OPTIONS

- Individual labelling of metallic cover with sticker (on customer request)
- Insert back-flow preventer
- Individual customer serial number (max. 14 figures)