

## 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 in  $m^3/h$  up to  $Q_p$  15 in  $m^3/h$
- 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 code IP65

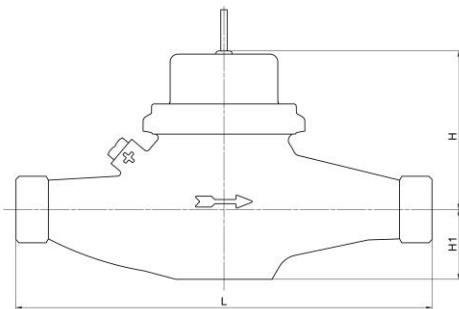
# Multi-Jet Dry Meter Volume Measuring Unit

## MTW-...WK VM, MTH-...WK VM

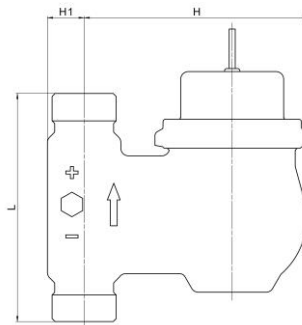
### TECHNICAL DATA

#### Model

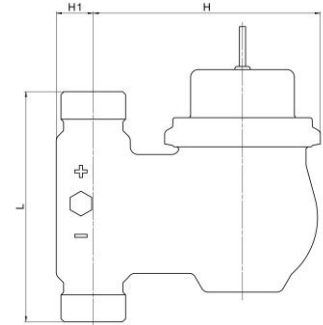
- MTW- . . . = Warm water from 0,1 °C up to 90 °C  
 MTH- . . . = Hot water from 0,1 °C up to 120 °C



MTW-HWK,  
MTH-HWK



MTW-SWK,  
MTH-SWK



MTW-FWK,  
MTH-FWK

Installation position	Model	Lenght* L in mm	Height H in mm (ca.)	H1 in mm	Nominal flow Q3 in m <sup>3</sup> /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	Weight in kg (ca.)
horizontal	MTW-HWK MTH-HWK	165	89	34	1,5	15	G ¼ B	13	3500	1,5
		190	91	32	2,5	20	G 1 B	13	5600	1,6
		260	100	44	3,5	25	G 1 ¼ B	18	12500	2,9
		260	100	44	6	25	G 1 ¼ B	18	12500	2,9
		260	100	44	6	32	G 1 ½ B	18	12500	2,9
		270	127	51	15	50	G 2 ½ B	38	31000	10
ascending	MTW-SWK MTH-SWK	105	130	18	1,5	20	G 1 B	13	5500	1,7
		105	130	18	2,5	20	G 1 B	13	5500	1,7
		150	148	24	3,5	25	G 1 ¼ B	18	12500	2,8
		150	148	24	6	25	G 1 ¼ B	18	12500	2,8
		150	181	30	10	40	G 2 B	38	26000	4,7
		200	181	30	10	40	G 2	38	26000	5
descending	MTW-FWK MTH-FWK	105	130	17	1,5	20	G 1 B	13	5500	1,9
		105	130	17	2,5	20	G 1 B	13	5500	1,9
		150	148	24	3,5	25	G 1 ¼ B	18	12500	2,8
		150	148	24	6	25	G 1 ¼ B	18	12500	2,8
		150	181	30	10	40	G 2 B	38	26000	4,7

\* Additional lengths available on request

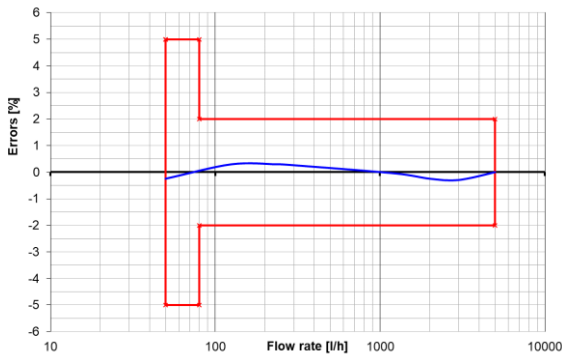
\*\* Typical values in horizontal installation position

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

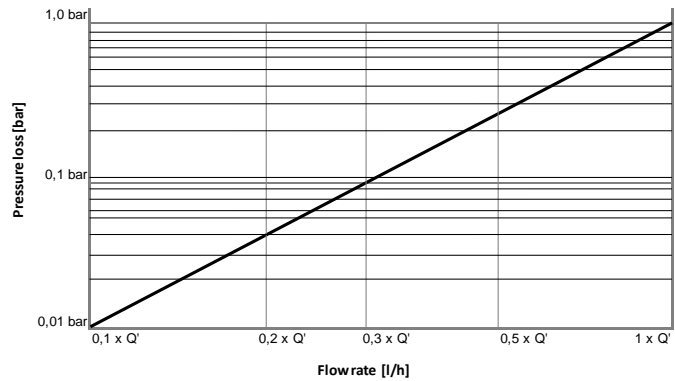
# Multi-Jet Dry Meter Volume Measuring Unit

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Typical error curve  $Q_p$  4 50:1



Typical pressure loss graph



## 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.

## APPROVALS / CERTIFICATES / STANDARDS

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