MTH VoMe

Multijet flow meter

Your benefits

- Robust, high grade wear resistant materials: **Excellent measuring stability and reliability**
- Measurement of low flow rates: **Increased cost effectiveness**

Applications

- The multijet hot water meter is suited for central heating installations and district heating applications or solar installations

Properties

- Multijet impeller wheel, super dry-dial with magnetic coupling
- Register can be turned for best readout position
- Maximum operating pressure PN 16
- Maximum operating temperature 130 °C (can be overloaded to 150 °C for short period of time)
- Horizontal or vertical (MTH-V...) installation
- Reed pulser IPG14 with 1,5 m cable
- High grade wear resistant and corrosion proof materials
- Inlet strainer
- Reconditionable and recyclable execution
- Magnetic protective cover against external influences
- CE Conformity according to European Measuring Instruments Directive (MID)
- Environmental class B, Accuracy class 3

Options

- Reed pulser IPG14 with 5 m cable
- Different pulse values

  Documentation: IPG14

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Last updated: 23.04.2026

Technical Data

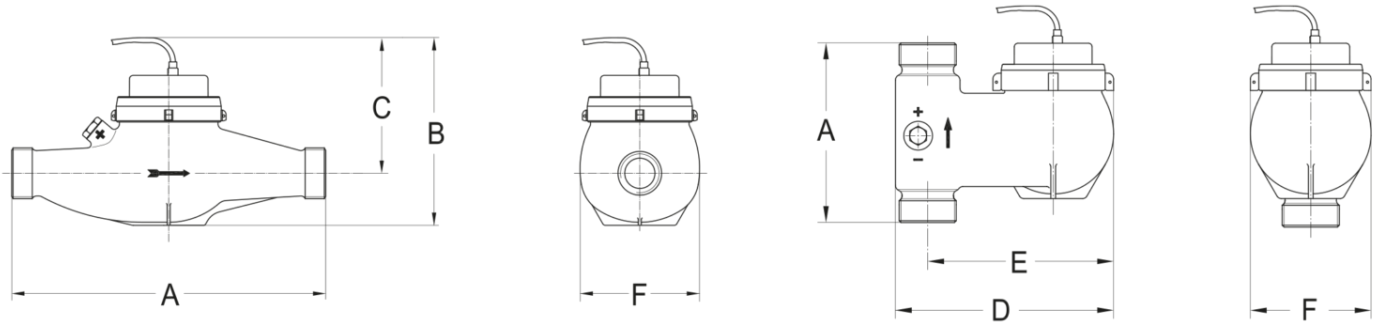
Execution			MTH (horizontal)							MTH-VS or -VF (vertical)[1]			
Nominal diameter	**DN**	**mm**	**15**	**20**	**25**	**25**	**32**	**40**	**50**	**20**	**25**	**32**	**40**
Operating pressure	**PN**	**bar**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**
Connection thread on meter	G...B	Inch	¾	1	1¼	1¼	1½	2	2⅜	1	1¼	1½	2
Connection thread on coupling	R...	Inch	½	¾	1	1	1¼	1½	2	¾	1	1¼	1½
Nominal flow rate	**q_p**	**m^3/h**	**1,5**	**2,5**	**3,5**	**6**	**6**	**10**	**15**	**2,5**	**3,5**	**6**	**10**
Maximum flow rate	q_s	m^3/h	3	5	7	12	12	20	30	5	7	12	20
Minimum flow rate ± 5 %	q_i	l/h	60	50	70	120	120	200	300	50	70	120	200
Kvs-value		m^3/h	3,5	5	10	12	12	20	30	5	10	12	20
Temperature range		°C	2...130	2...130	2...130	2...130	2...130	2...130	2...130	2...130	2...130	2...130	2...130
Measuring range	q_i /q_p		1:25	1:50	1:50	1:50	1:50	1:50	1:50	1:50	1:50	1:50	1:50

Dimensions and weights			MTH (horizontal)							MTH-VS or -VF (vertical)[1]			
Length without couplings	**A**	**mm**	**165**	**220[2]**	**260**	**260**	**260**	**300**	**300**	**105**	**150**	**150**	**200**
Length with couplings		mm	239	312	352	352	372	432	452	197	242	262	332
Total height	B	mm	127	133	143	143	143	169	183	-	-	-	-
Meter height from pipe centre line	C	mm	84	93	100	100	100	123	126	-	-	-	-
Meter depth	D	mm	-	-	-	-	-	-	-	148	169	183	226
Meter depth from pipe centre line	E	mm	-	-	-	-	-	-	-	130	143	156	190
Meter width	F	mm	95	95	100	100	100	135	151	95	98	101	139
Weight without couplings		app. kg	1,8	2,1	2,7	2,7	2,8	5,3	5,8	-	-	-	-
Weight without couplings MTH-VS		app. kg	-	-	-	-	-	-	-	2,0	2,3	2,3	5,8
Weight without couplings MTH-VF		app. kg	-	-	-	-	-	-	-	2,1	3,5	3,7	7,1
Weight with couplings		app. kg	2,1	2,4	3,2	3,2	3,5	6,4	7,4	-	-	-	-
Weight with couplings MTH-VS		app. kg	-	-	-	-	-	-	-	2,3	2,8	3,0	6,9
Weight with couplings MTH-VF		app. kg	-	-	-	-	-	-	-	2,4	4,0	4,4	8,2

1) -VS = vertical riser / -VF = vertical down pipe 2) Also supplied in length 190 mm

Information	
EU-REACH Art. 33 / ChemV Art. 71	Brass products contain lead > 0,1 %

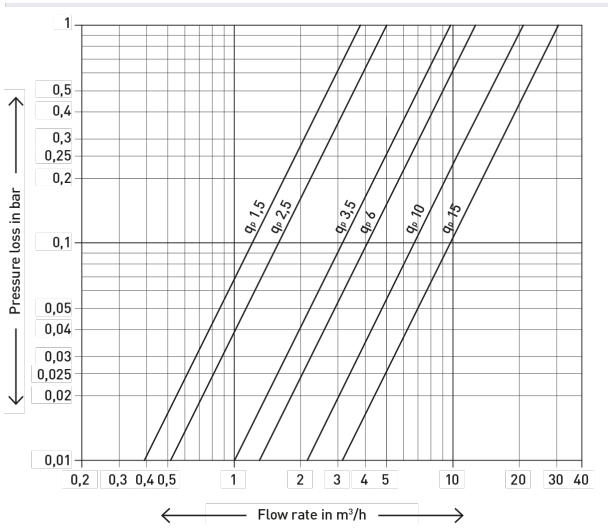
Dimension Diagram



Materials

Housing:	UBA Brass (DIN 50930-6)
Sealing plate:	UBA Brass (DIN 50930-6)
Impeller / head piece:	High grade synthetic material
Bearings:	Hard metal, sapphire, Chrome nickel steel
Seal material:	EPDM

Typical Head Loss Curve



Installation

Pipeline:	horizontal	—
	vertical	|
Meter head:	upwards	↑

Pulse value table

Pulse values	q_p	1,5–6	1[1)]	2,5	10	25	100	250
(1 Pulse = ...Liter)	q_p	10–15	-	2,5	10	25	100	250

1] Only available in measuring range 1 :25