

UNICO® VoMe

Single jet flow meter

Your benefits

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

Applications

- Volume measuring meter as component to heat measurement or for solar installations
- For flow rates up to 2,5 m^3/h

Properties

- Single jet dry-dial meter with magnetic coupling
- Register can be turned for best readout position
- Maximum operating pressure PN 16 bar
- Maximum operating temperature 90 °C or 120 °C
- Horizontal or vertical installation
- Reed pulser IPG14 with 1,5 m cable (Standard pulse value 2,5 litres)
- High grade wear resistant and corrosion proof materials
- Inlet strainer
- Magnetic protective cover against external influences
- CE Conformity according to European Measuring Instruments Directive (MID)
- Environmental class B, Accuracy class 3

Options

- Drilling for temperature sensor directly mounted to meter according to EN 1434 for 130 mm execution
- Other measuring ranges
- Reed pulser IPG14 with 3 m cable
- Different pulse values

Documentation: IPG14

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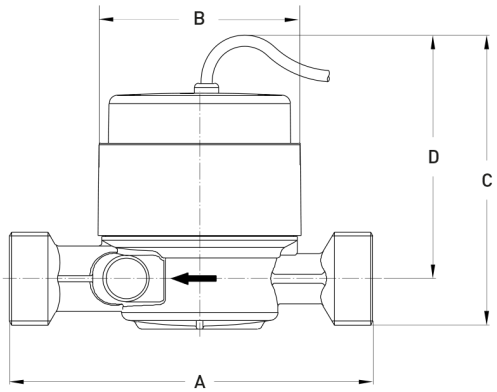
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Technical Data

Execution						
Nominal diameter	**DN**	**mm**	**15**	**20**	**20**	**20**
Operating pressure	**PN**	**bar**	**16**	**16**	**16**	**16**
Connection thread on meter	G...B	Inch	¾	1	1	1
Connection thread on coupling	R...	Inch	½	¾	¾	¾
Nominal flow rate	**q_p**	**m^3/h**	**1,5**	**1,5**	**1,5**	**2,5**
Maximum flow rate	q_s	m^3/h	3	3	3	5
Minimum flow rate horizontal ± 5 %	q_i	l/h	30	30	30	50
Minimum flow rate vertical ± 5 %	q_i	l/h	60	60	60	100
Kvs-value		m^3/h	3	3	3	5
Operating temperature range		°C	2... 90/120	2... 90/120	2... 90/120	2... 90/120
Standard measuring range horizontal	q_i/q_p		1:50	1:50	1:50	1:50
Standard measuring range vertical	q_i/q_p		1:25	1:25	1:25	1:25

Dimensions and weights						
Length without couplings	A	mm	110	110	130	130
Length with couplings		mm	184	202	222	222
Width	B	mm	72	72	72	72
Height with pulser and magentic protection cover	C	mm	108	108	108	108
Height from pipe centre	D	mm	90	90	90	90
Weight without couplings		app. g	760	810	840	790

Dimension Diagram



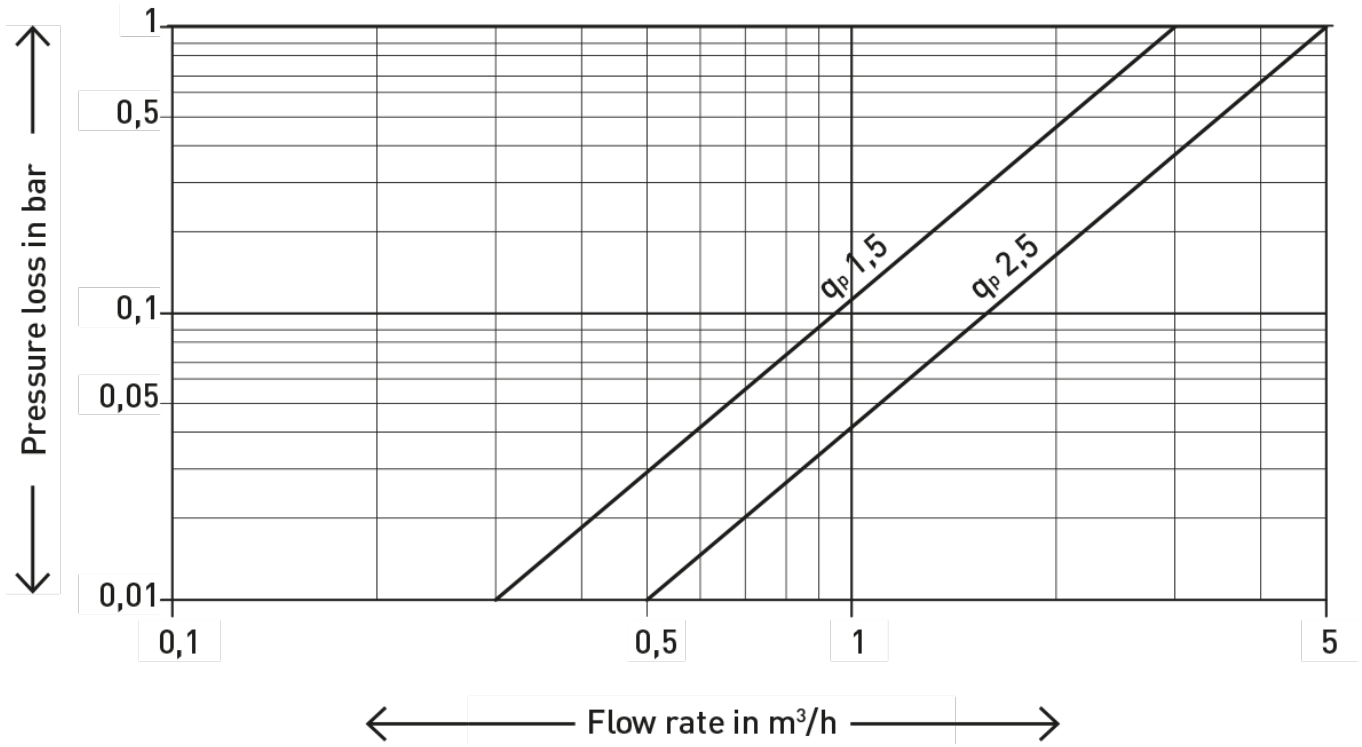
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Typical Head Loss Curve



Installation

Pipeline:	horizontal	—
	vertical	|
Meter head:	upwards	↑
	sideways	←→

Pulse Value Table

Pulse Value Table								
Pulse value	q_p	1,5	-	0,25	1	2,5	10	25
(1 Pulse = ...Liter)	q_p	2,5	1	2,5	10	25	100	250

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