Cold
water

UNICO®

Single jet consumption meter
for cold water up to 30 °C
DN 15, 20

Your benefits

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

Application

- Residential consumption monitoring of water consumption within an entire building
- Wall installation
- For nominal flow rates up to 4 m^3/h

Features

- 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 30 °C
- Horizontal or vertical installation
- 5 dial resolution
- High grade wear resistant and corrosion proof materials
- Inlet strainer
- Reconditionable and recyclable execution
- CE Conformity according to European Measuring Instruments (MID)

Options

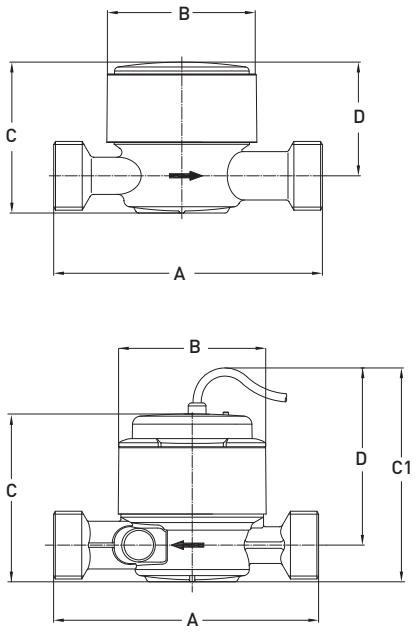
- Reed pulser IPG14 for the transmission to remote or centralised indication devices (Standard pulse value 10 liters)
- Other measuring ranges
- 1" NPSM connection thread on meter for 130 mm execution
- Other pulse values
  Documentation: IPG14 – EPe40217

Installation

Pipeline: horizontal —
vertical |

Meter head: upwards ↑
sideways ←→

Dimension Diagram



Technical Data

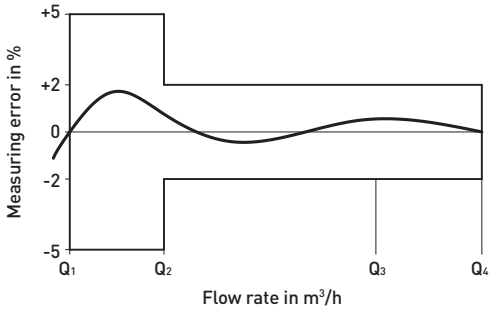
Nominal diameter	**DN**	**mm**	**15**	**20**	**20**	**20**
Operating pressure	**PN**	**bar**	**16**	**16**	**16**	**16**
Connection thread on meter	G...B	Zoll	¾	1	1	1
Connection thread on coupling	R...	Zoll	½	¾	¾	¾
Nominal flow rate	**Q_3**	**m^3/h**	**2,5**	**2,5**	**2,5**	**4**
Maximum flow rate	Q_4	m^3/h	3,125	3,125	3,125	5
Partial limit horizontal ±3%	Q_{2h}	l/h	50	50	50	80
Partial limit vertical ±3%	Q_{2v}	l/h	100	100	100	160
Minimum flow rate horizontal ±5%	Q_{1h}	l/h	31,3	31,3	31,3	50
Minimum flow rate vertical ±5%	Q_{1v}	l/h	62,5	62,5	62,5	100
Temperature		max.°C	30	30	30	30
Measuring range horizontal			R80	R80	R80	R80
Measuring range vertical			R40	R40	R40	R40

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 without Reed pulser	C	mm	72	72	72	72
Height with Reed pulser	C1	mm	108	108	108	108
Height from pipe centre	D	mm	90	90	90	90
Weight without couplings		app. g	610	640	700	700

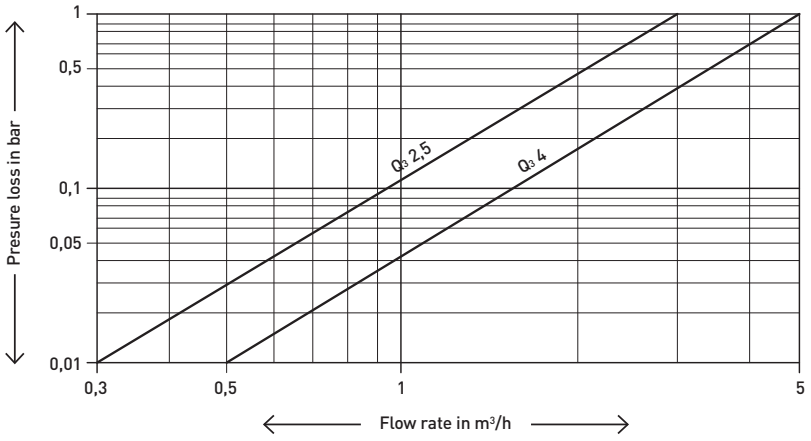
Certifications				
UBA brass	x	x	x	x
KTW / W270	x	x	x	x
WRAS (Type: Unico2)	x	x	x	x
NSF-61-G (Type: Unico2)	–	–	x[1)]	x[1)]

[1)] only 1" NPSM execution

Measuring error curve



Typical Head Loss Curve



GWF MessSysteme AG
Obergrundstrasse 119
6005 Lucerne, Switzerland

T +41 41 319 50 50
info@gwf.ch, www.gwf.ch

Technical support:
T +41 41 319 52 00, support@gwf.ch

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