

FEATURES

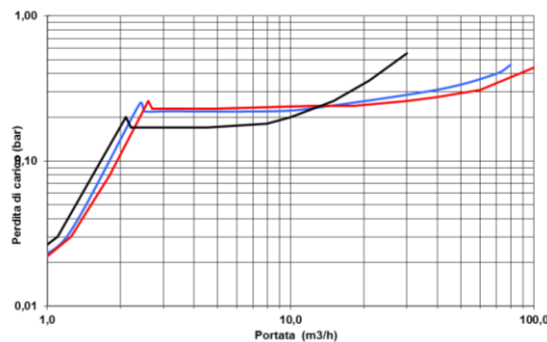
Woltmann combination water meter

A Woltmann axial helix meter (*DATAWATER WP*) acts as a primary meter; a positive displacement meter acts as a secondary meter. A diverter valve diverts the flow from the main meter to the by-pass meter depending on the flow rate. Both meters are enclosed in parallel on the same mounting plate.

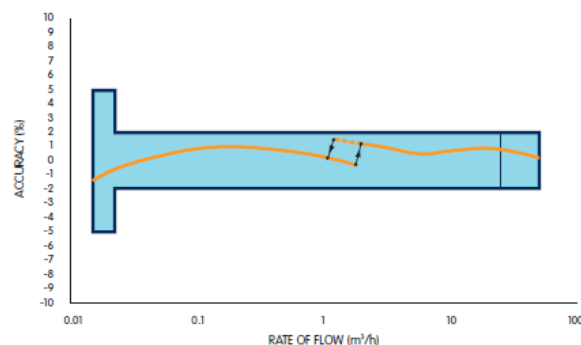
- Certified to Directive 2004/22/EC on measuring instruments (Standard EN 14154)
- DN150 mm meters approved to Directive 75/33/EEC are also available
- The maximum range certified Q_3/Q_1 (R) is 6300 on DN 100 mm meters; lower range options are also available
- Extremely wide measuring range
- Operating temperature: 30 °C (the meter can be used safely up to 50 °C)
- Compact design: the meter is smaller than the previous version
- Both meters are mounted on the same plate for easy maintenance
- Tungsten carbide and synthetic sapphire
- Both meters can be retrofitted with an inductive pulse
- Suitable for horizontal or vertical installation position
- Designed for bulk applications where large variations in flow occur (schools, hospitals, swimming pools, etc.) and for use in fire hydrants



HEAD LOSS

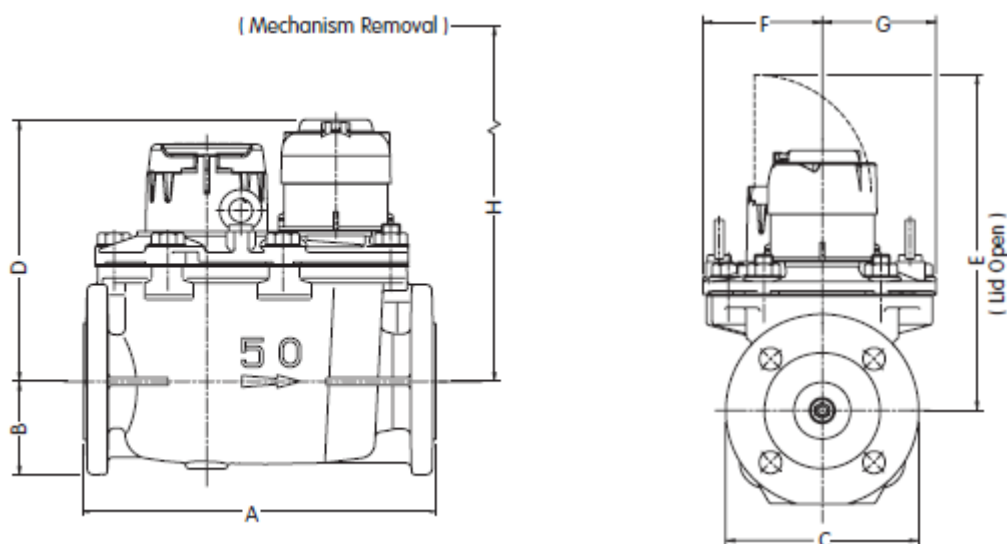


TYPICAL ERROR CURVE



HYDRAULIC PERFORMANCE AND DIMENSIONS

SIZE	mm	50x20	65x20	80x20	100x20
Performance according to Directive 2004/22/EC					
MID metrological class		R1600	R1600	R4000	R6300
Q ₃	m ³ /h	25	25	63	100
Q ₄	m ³ /h	31.25	31.25	78.75	125
R Q ₃ /Q ₁		1000	1000	1250	1250
Q ₁	m ³ /h	0.025	0.025	0.05	0.08
Q ₂	m ³ /h	0.04	0.04	0.08	0.128
Starting flow rate	l/h	2	2	2	2
Maximum registration	m ³	10 ⁶	10 ⁶	10 ⁶	10 ⁶
Minimum registration	l	0.01	0.01	0.01	0.01
Flow profile sensitivity classes		U3-D0	U0-D0	U0-D0	U0-D0
Temperature class		T50			
Pulse options		1/10/100/1,000			
Primary meter	l/pulse	1			
Secondary meter		1			
A	mm	300 (270)	300	350 (300)	350 (360)
B	mm	80	86	104	115
C	mm	166	186	201	228
D	mm	225	225	245	255
E	mm	291	291	316	321
F	mm	105	105	125	140
G	mm	100	100	125	140
H	mm	400	400	475	500
Weight	kg	23	27	33	40
Module B		DE-10-MI001-PTB003			
Module D		SK 11-QD-SMU002			




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