

PULSE HIGH-FLOW VOLUMETRIC COLD WATER METER

Technical datasheet Nr 73

The volumetric cold water meters with rotary piston are especially designed for operators keen to optimize billing on their domestic water systems.

The technology of the rotary piston achieves exceptional accuracy and measuring range.

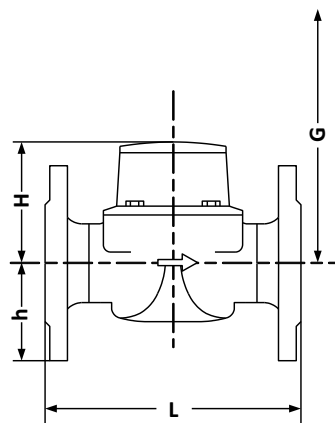
• TECHNICAL SPECIFICATIONS:

- Application: Domestic Cold Water (up to 50°C)
- Wide measuring range
- Pulse resolution: 10 liter / pulse
- Sanitary compliance certificate: ACS
- No straight inlet length necessary
- High overload capability
- Removable measuring insert



Nominal diameter		DN	50	65	80	100	125	150
Q5	Maximum peak flow	m ³ /h	90	120	200	300	350	600
Q4	Overload flowrate according to MID	m ³ /h	50	78.8	125	200	200	500
Q3'	Continuous flow	m ³ /h	50	70	120	230	250	450
Q3	Permanent flowrate according to MID	m ³ /h	40	63	100	160	160	400
Q2h	Transitional flowrate according to MID	m ³ /h	0.4	0.63	0.5	0.8	1	1.6
Q1h	Minimum flowrate horizontal according to MID	m ³ /h	0.3	0.39	0.3	0.5	0.6	1
Q1'h	Minimum flowrate according to MID	m ³ /h	0.2	0.2	0.2	0.3	0.5	0.8
Q2v	Transitional flowrate vertical according to MID	m ³ /h	0.5	0.81	0.8	1.3	1.6	3.2
Q1v	Minimum flowrate vertical according to MID	m ³ /h	0.3	0.5	0.5	0.8	1	2
Q1'h	Minimum flowrate vertical	m ³ /h	0.3	0.4	0.5	0.5	1	1.6
Q3/Q1 h	Maximum ratio horizontal	-	160	160	315	315	250	400
Q3/Q1 v	Maximum ratio vertical	-	125	125	200	200	160	200
Q3/Q1	Standard marking	-	100	100	100	100	100	100
	Starting flowrate	m ³ /h	0.1	0.07	0.1	0.1	0.2	0.3
Δp	Headloss at Q3 according to EN 14154	bar	0.2	0.37	0.2	0.3	0.4	0.3

Nominal diameter		50	65	80	100	125	150
Overall length	L mm	200	200	225	250	250	300
Height	H mm	120	120	150	150	160	177
	h mm	73	85	95	105	118	135
Dismantling height	G mm	200	200	270	270	280	356
Weight	kg	7.8	10	14.2	18.2	20.7	35.9



• AVAILABLE MODELS:

Reference	Designation
70010241672	Cold water meter DN50 Qn=15m ³ /h Class B - ACS - Flange, pulse output
70010241673	Cold water meter DN60 Qn=25m ³ /h Class B - ACS - Flange, pulse output
70010241674	Cold water meter DN80 Qn=40m ³ /h Class B - ACS - Flange, pulse output
70010241675	Cold water meter DN100 Qn=60m ³ /h Class B - ACS - Flange, pulse output
70010241676	Cold water meter DN125 Qn=100m ³ /h Class B - ACS - Flange, pulse output
70010241677	Cold water meter DN150 Qn=150m ³ /h Class B - ACS - Flange, pulse output