

V100

Volumetric cold water meters

Product specification



Measuring Instruments Directive 2004/22/EC
Specifications according to OIML R49, EN14154 or ISO4064

R250 flow range (Q_3/Q_1)

Exceeding Class D equivalent

Meter size (mm)			15	20
Meter thread size		in	G ¾"A	G 1"A
Overload flow rate	$Q_4 \pm 2\%$	m³/h	3.125	5
Permanent flow rate	$Q_3 \pm 2\%$	m³/h	2.5	4
Transitional flow rate	$Q_2 \pm 2\%$	l/h	16	25.6
Minimum flow rate	$Q_1 \pm 5\%$	l/h	10	16
Starting flow (approximate)		l/h	2	2
Maximum registration		m³	9999.99999	9999.99999
Output pulse		l/pulse	0.5	0.5
All models			Headloss at Q_3 less than 0.63 bar. Maximum water temperature 30°C. Maximum working pressure 16 bar.	

R160 flow range (Q_3/Q_1)

Class C equivalent

Meter size (mm)			15	20	25	30	40
Meter thread size		in	G ¾"A	G 1"A	G 1 ¼"A	G 1 ½"A	G 2"A
Overload flow rate	$Q_4 \pm 2\%$	m³/h	3.125	5	7.875	12.5	20
Permanent flow rate	$Q_3 \pm 2\%$	m³/h	2.5	4	6.3	10	16
Transitional flow rate	$Q_2 \pm 2\%$	l/h	25	40	63	100	160
Minimum flow rate	$Q_1 \pm 5\%$	l/h	15.625	25	39.375	62.5	100
Starting flow (approximate)		l/h	2	2	6	12	20
Maximum registration		m³	9999.99999	9999.99999	99999.9999	99999.9999	99999.9999
Output pulse		l/pulse	0.5	0.5	5	5	5
All models			Headloss at Q_3 less than 0.63 bar. Maximum water temperature 30°C. Maximum working pressure 16 bar.				

Physical properties

Meter size (mm)		15	20	25	30	40
Meter diameter	mm	86	86	104	120	158
Meter radius (width from pipe centre)	mm	43	43	52	60	79
Meter length preferred	mm	165	190	-	-	300
Meter length alternative	mm	115 or 134	165	199	199	-
Length over connectors	mm	200 or 228	267	311	327	421
Weight - meter only (approximate)	kg	0.80 or 0.90	1.30	1.30	2.20	3.70

DMS
METERING
SOLUTIONS



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