

Screw fittings with measuring function Q



- Measuring insert with fixed, calibrated measuring unit
- Ideal for small existing underfloor heating manifolds/heating circuit manifolds



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Versions XL and XXL for very large water volumes

Application For measuring the volume flow, e.g. with the measuring instruments HMG 01/10/100 for hydraulic balancing. Versions QM and QL are ideal for measuring underfloor heating manifolds and heating circuit manifolds.

Description Screw fitting with measuring function, straight design, with fixed calibrated measuring unit for measuring the volume flow.

The optimum volume flow is to be determined by means of a calculation program and can then be directly measured and adjusted with the HMG series measuring instruments. Adjustments are made via standard adjustment valves.

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Technical specifications

System connection

See ordering table

Nominal pressure

M, L, XXL: Max. 10 bar
XL: Max. 25 bar

Nominal diameter

DN 15, DN 20, DN 25, DN 32, DN 40, DN 50,
DN 65, DN 80, DN 100, DN 125, DN 150,
DN 200, DN 250, DN 300







Operating temperature range

Medium: $T_{\max} = 120 \text{ }^{\circ}\text{C}$

Housing

M – XL: Brass/gunmetal
XXL: Stainless steel

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DG: V, PG: 2	Version	Nominal diameter	Flow rate range (m ³ /h)	Flow coefficient*			Part no.	Price €
	M for medium water volumes, PN 16, connection G $\frac{3}{4}$ eurocone	DN 15	0.02 – 0.40	1.04	1	-	408 021	
	L for large water volumes, PN 16, connection G $\frac{3}{4}$ eurocone	DN 15	0.06 – 1.20	2.85	1	-	408 022	
	XL for very large water volumes, PN 25	DN 15	0.22 – 0.53	2.8	1	-	778 020	
		DN 20	0.49 – 1.17	5.3	1	-	778 030	
		DN 25	0.93 – 2.17	9.7	1	-	778 040	
		DN 32	1.94 – 4.5	20.2	1	-	778 050	
		DN 40	2.91 – 6.77	30.2	1	-	778 060	
		DN 50	5.47 -12.64	55.1	1	-	778 070	
	XXL for very large water volumes, as measuring flange, PN 16	DN 65	10.87 – 25.0	88.2	1	-	779 080	
		DN 80	23.0 – 55.3	123.0	1	-	779 090	
		DN 100	39.0 – 93.7	215.6	1	-	779 120	
		DN 125	60.7 – 143.1	336.9	1	-	779 130	
		DN 150	85.36 – 204.8	458.6	1	-	779 140	
		DN 200	130.7 – 361.7	803.9	1	-	779 150	
		DN 250	239.7 -564.4	1,249.0	1	-	779 160	
		DN 300	338.9 – 921.5	1,836.0	1	-	779 170	

* The flow coefficient corresponds to the water flow in m³/h through the valve at a given valve stroke (proportional offset, e.g. 1 K or 2 K) and a differential pressure of 1 bar.