

Flow Measurement Device (FMD) D901/D902 PN25

Specification

D901 & D902

Flow Measurement Devices have square edged entrance orifice plates with tappings for P84 insertion style test points. Flow measurement accuracy of $\pm 3\%$.

D901 - Sizes 1/2" to 2"

Inlet - BS EN 10226 formerly BS21 (ISO 7) taper female

Outlet - BS EN 10226 formerly BS21 (ISO 7) taper male

D901/D902 - Sizes 1/2"

Inlet - (ISO 228) parallel female supplied with compression adaptor to suit 15mm BS EN 1057: Half hard R250 copper tube.

Outlet - BS EN 10226 formerly BS21 (ISO 7) taper male. Discard adaptor if connecting steel pipe.

Application

D901 Flow Measurement Devices are suitable for systems where pipes have been sized on the basis that pipe frictional losses lie in the range 100 to 400 Pa/m.

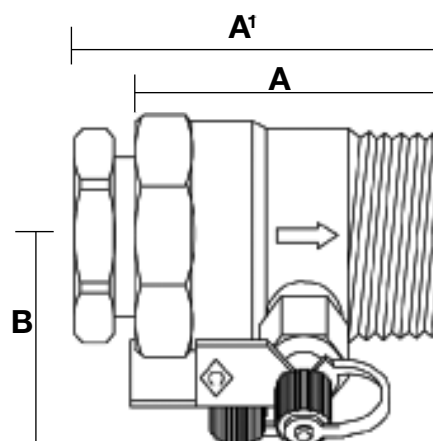
D902 Flow Measurement Device (1/2"/15mm size only) is suitable for the measurement of ultra low flows in the range 0.015 to 0.06 l/s e.g. flows to fan coil units.

Please note: The fitting of P82 test points will give an increased temperature rating of 180°C.

Conforms to BS7350*: 1990



Dimensional Drawing



Materials

PART	MATERIAL	SPECIFICATION
Body and Integral orifice	DZR copper alloy	BS EN 12165 CW602N
P84 Pressure test point	DZR copper alloy	BS EN 12164 CW602N

Dimensions, Coefficients and Weights

CAT. NO.	NOM. SIZE	END TO END		CENTRE-TO-TOP B (mm)	FLOW (Kv)	HEAD LOSS (K)	Kvs	WEIGHT (kg)
		A (mm)	A' (mm)					
D901	1/2" DN15	57	66	55	2.8	13.5	2.2	0.29
	3/4" DN20	58	-	61	6.1	9.1	4.7	0.30
	1" DN25	66	-	65	11.9	6.1	8.6	0.40
	1 1/4" DN32	72	-	71	23.4	4.8	16.6	0.50
	1 1/2" DN40	72	-	73	36.2	3.7	24.5	0.54
	2" DN50	82	-	79	71.6	2.4	46.1	0.77
D902	1/2" DN15	57	66	55	0.57	333	0.54	0.29

Pressure/Temperature Ratings

Threaded

TEMPERATURE (°C)	-10 to 100	110	120
PRESSURE (BAR)	25	23.4	21.8

Compression

TEMPERATURE (°C)	-10 to 30	65	120
PRESSURE (BAR)	16	10	5

Intermediate pressure ratings shall be determined by interpolation

Maximum temperature 120°C

Note: In line with BS EN 1254/2, the maximum pressure must not exceed 16 bar when using compression adaptors.

*Except pressure rating exceeds BS.