

Flow Measurement Device (FMD) D901/D902 PN25

Threaded BSEN10226 formerly BS21 (ISO 7), Conforms to BS7350*

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 3/4" to 2"

Inlet - BSEN10226 formerly BS21 (ISO 7) taper female
Outlet - BSEN10226 formerly BS21 (ISO 7) taper male

D901/D902 - Sizes 1/2" DN15

Inlet - BS 2779 (ISO 228) parallel female supplied with compression adaptor to suit 15mm BS EN 1057 copper tube.
Outlet - BSEN10226 formerly BS21 (ISO 7) taper male discard adaptor if connecting steel pipe.

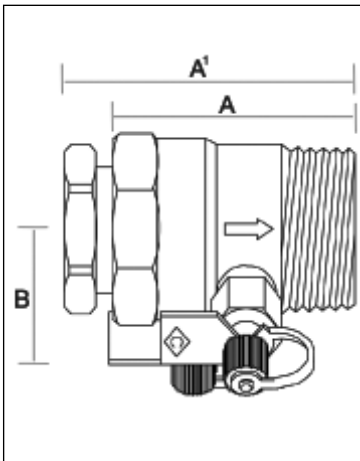
Application

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 /DN15 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.

*Except pressure rating exceeds BS.



Pressure/Temperature Ratings

Threaded

Temperature °C	-10 to 100	110	120
Pressure (bar)	25	23.4	21.8

Compression

Temperature °C	2 - 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.

Dimensions, Coefficient and Weights

Cat. No.	Nom. Size	End to end Amm A'mm	Centre-to-top Bmm	Flow Kv	Head loss K	Kvs	Weight Kg
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

Materials

Part	Material	Specification
Body and Integral orifice	DZR copper alloy	BSEN12164 CW602N
P84 Pressure test point	DZR copper alloy	BSEN12164 CW602N