

# Flow Measurement Device (FMD) D901/D902 PN25

**CRANE**

FLUID SYSTEMS

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.

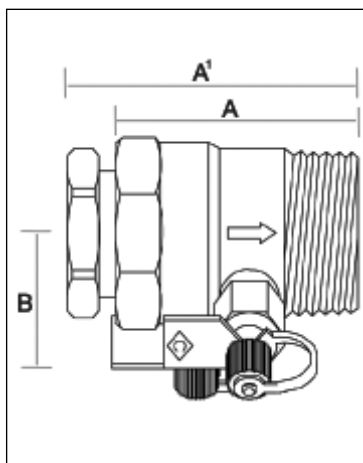
## Application

**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