D921 / D923 Double Regulating Valve (DRV) PN25

ProBalance

WRAS APPROVED PRODUCT

Specification

The Double Regulating Valve offers an accuracy of ± 5% on all settings, for precise flow regulation.

They are Y-Pattern globe valves with characterised throttling disc tending towards equal percentage performance. Double regulating feature allows valve opening to be set with an Allen key. Operation of the valve is by means of the Microset handwheel. WRAS approved.

End Connection

Sizes 1" to 2" taper threaded to BS EN 10226-2 (ISO 7-1) formerly BS 21. Sizes 1/2" & 3/4" DN15 & DN20 parallel threaded to BS EN ISO 228-1 (formerly BS 2779).

Adaptor kits for use with copper tube also available.

Also available threaded to ANSI B1.20.1.

Please add suffix AT to denote American Thread i.e. D921AT/D923AT

Application

In two unit systems, the D921 has sufficient authority to give effective regulation over the range of flows covered by matching flow measurement devices/valves.

In particular, the D923 low flow regulating valve has an authority matched to the range of ultra low flows covered by the D902 flow measurement device.

Conforms to BS 7350*:1990

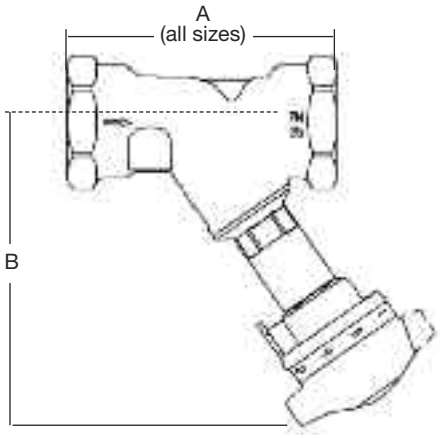
Materials

PART	MATERIAL	SPECIFICATION
Body	Bronze	BS EN 1982 CC491K
Bonnet	DZR Copper Alloy	BS EN 12165 CW602N
Stem	DZR Copper Alloy	BS EN 12165 CW602N
Disc	DZR Copper Alloy	BS EN 12165 CW602N
O-Ring Seal	EPDM Rubber	
Handwheel	Plastic	

Dimensions, Coefficients & Weights

FIG. NO.	NOM. SIZE	DIMENSIONS (mm)		FULLY OPEN		WEIGHT (kg)
		A	B	FLOW (Kv)	HEAD LOSS (K)	
D921	1/2" DN15	87	105	2.14	23.11	0.54
	3/4" DN20	96	106	3.61	26.14	0.58
	1" DN25	100	127	6.37	21.45	0.88
	1 1/4" DN32	114	128	12.30	17.42	1.05
	1 1/2" DN40	125	143	21.30	10.66	1.43
	2" DN50	146	144	31.30	12.63	1.88
D923	1/2" DN15	87	105	2.26	20.72	0.54

Dimensional Drawing



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 which exceeds BS.