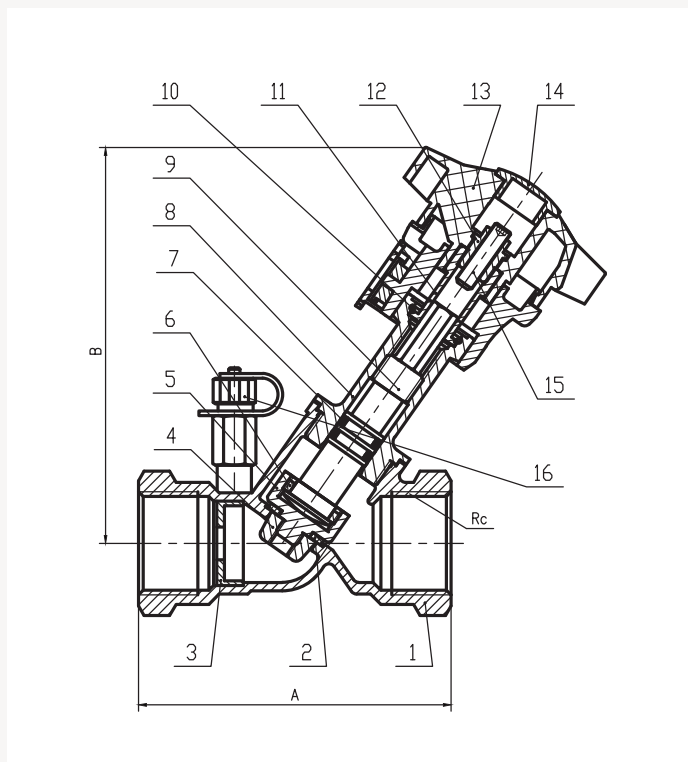


BSSX Fixed Orifice Double Regulating Valve PN25



Material specification

BSSX Fixed Orifice Double Regulating Valve PN 25 1/2" to 2"

No	Component	Material
1	Body	Bronze CC491K
2	Disc face	PTFE*
2	Disc face	DZR brass CW602N**
3	Orifice plate	DZR brass CW602N
4	Nut	DZR brass CW602N
5	Disc	DZR brass CW602N
6	Disc retaining ring	DZR brass CW602N
7	O-ring	NBR
8	Bonnet	DZR brass CW602N***
8	Bonnet	Bronze CC491K****
9	Stem	DZR brass CW602N
10	Retainer ring	Stainless steel 304
11	Sleeve	Brass CW617N
12	Screw	Brass CW617N
13	Handwheel	Polyamide nylon
14	Cap	Polyamide nylon
15	Screw	Stainless steel 304
16	Test points	DZR brass CW602N

*1" to 2", **1/2" to 3/4", ***1/2" - 1 1/4", ****1 1/2" - 2"

Balancing Valves

Applicable standards:

- Product standard: BS 7350.
- End connection threads: ISO 07-1 female taper BSPT threads.

Technical data:

- Size: DN 15 to DN 50 (1/2" to 2").
- Nominal pressure: 25 bar.
- Temperature range: -10 °C to 120 °C.
- Suitable for water and water / glycol up to 45%.

Features and benefits:

- Corrosion resistant bronze body, suitable for heating and cooling applications.
- Y type body design with characterised throttling disc tending towards equal percentage performance.
- Operation by means of microset handwheel.
- Tamperproof setting, allen key.
- Fixed orifice double regulating valve offers an accuracy of + 5% on all settings, for precise flow regulation.
- Two pressure tapping points for flow measuring equipment.
- The valve may be installed in horizontal, vertical or inclined pipework.

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Order code	Size	DN	A	B	Coefficients	
					Flow (kv)	Kvs
D0015DTBSHMSRO	1/2"	15	87	105	1.72	2.2
D0020DTBSHMSRO	3/4"	20	96	106	2.97	4.6
D0025DTBSHMSRO	1"	25	100	127	4.75	8.5
D0032DTBSHMSRO	1 1/4"	32	114	128	10.25	16.7
D0040DTBSHMSRO	1 1/2"	40	125	143	16.83	26.1
D0050DTBSHMSRO	2"	50	146	144	27.26	43.2

Valve opening, indication and regulation

The valve may be installed in horizontal, vertical or inclined pipework. The direction arrow on the body must be installed in line with the direction of the flow in the pipeline. Five diameters of straight pipe of the same nominal diameter as the valve must be present upstream of the valve and three diameters downstream. The valve is equipped with two test points and is distributed in the open position (handwheel turns open DN15 to DN50 four turns). Flow regulation is achieved by adjusting the valve setting until the required flowrate, as derived from the "signal" measured across the pressure test points is obtained. The microset handwheel will indicate the final valve setting.