

FIVC Static Balancing Valve

Bronze – PN 25 – Fixed Orifice – WRAS – ISO 228



FSB series

Technical data

Main features and materials

- Body: Bronze CC491K
- Bonnet: DZR Brass CW602N
- Disc: DZR Brass CW602N
- Stem: DZR Brass CW602N
- Handwheel: PA, Black coated
- USP: WRAS approval
Compact settlement
Environment-friendly
- Standard: BS 7350

Field of applications

- Max. temperature: 120 °C
- Max. working pressure: 25 bar
- Hot and cold water plants
- Compressed air plants
- Heat and refrigerating
- Engineering and air-conditioning

Description

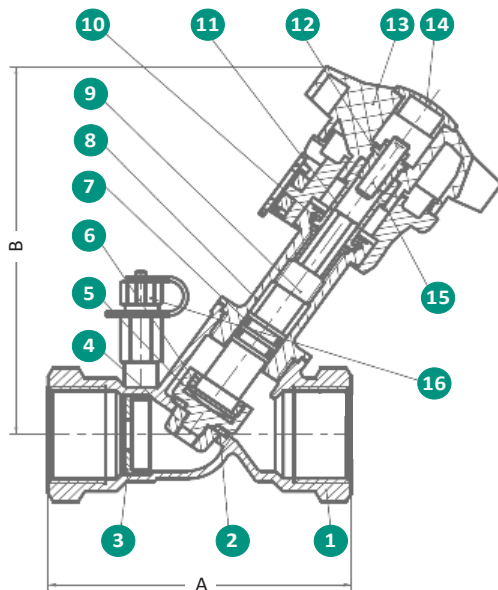
FIVC Static Balancing Valve is designed with integrated pressure probes to determine the flow rate through integrated fixed orifice. The valve offers an accuracy of ± 5 pct. on all settings, for precise flow regulation. The valve controls hydraulic medium flow at HVAC plants and ensures load balance, hence contributes to energy and cost savings. Further, the FIVC Balancing Valve does, through its reduction of media flow speed, prevents the water hammer phenomenon. The valve can be used for water.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).



Dimensions



Product Information

Product code	Size (DN)	A*	B*	Kg
FSB015O25GF21	15	87	105	0.58
FSB020O25GF21	20	96	106	0.65
FSB025O25GF21	25	100	127	0.89
FSB032O25GF21	32	114	128	1.11
FSB040O25GF21	40	125	143	1.46
FSB050O25GF21	50	146	144	1.98

*Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Body	Bronze CC491K BS EN 1982
2	Disc face	DN 15-20: DZR Brass CW602N BS EN 12164 DN 25-50: PTFE
3	Orifice plate	DZR Brass CW602N BS EN 12164
4	Nut	DZR Brass CW602N BS EN 12164
5	Disc	DZR Brass CW602N BS EN 12164
6	Disc retaining ring	DZR Brass CW602N BS EN 12164
7	O-Ring	NBR
8	Bonnet	DN 15-32: DZR Brass CW602N BS EN 12164 DN 40-50: Bronze CC491K BS EN 1982
9	Stem	DZR Brass CW602N BS EN 12164
10	Retainer ring	Stainless Steel SS 304
11	Sleeve	Brass CW617N BS EN 12164
12	Screw	Brass CW617N BS EN 12164
13	Handwheel	PA
14	Cap	PA
15	Screw	Stainless Steel SS 304
16	Test points	DZR Brass CW602N BS EN 12164
15	Screw	Stainless Steel SS 304
16	Test points	DZR Brass CW602N BS EN 12164

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Kv Values (m³/h)

FSB DN 15	Setting	Kv (m³/h)
Linear	1	0.3
	2	0.6
	3	1.2
	4	1.7

FSB DN 20	Setting	Kv (m³/h)
Linear	1	0.4
	2	0.9
	3	2.3
	4	3.3

FSB DN 25	Setting	Kv (m³/h)
Linear	1	0.7
	2	1.6
	3	2.8
	4	4.6

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Kv Values (m³/h)

FSB DN 32	Setting	Kv (m³/h)
Linear	1	1.3
	2	4
	3	8.5
	4	10.5

FSB DN 40	Setting	Kv (m³/h)
Linear	1	2.3
	2	5.3
	3	13.7
	4	16.8

FSB DN 50	Setting	Kv (m³/h)
Linear	1	2.79
	2	7.5
	3	20.63
	4	27.37