Series STBV-25/25N

Fixed Orifice Double Regulating Valve

Size: DN15-DN50

The Watts STBV-25 Static Balancing Valve is designed for flow balancing in cooling, heating or process water systems. Its fixed orifice measuring points enable convenient and accurate system commissioning.



Features

- Accurate flow control
- Numerical indicator of opening degree on the hand wheel
- Self-sealing measuring points to protect against leakage
- Integral fixed orifice and test points
- Shut-off function for troubleshooting or maintenance

Pressure-Temperature

- Nominal Pressure: PN25
- Temperature Range: 0°C~120°C

Test Pressures

Pneumatic	Hydraulic
Shell: 6 bar	Shell: 37.5 bar
Shell: 6 bar	Seat: 27.5 bar

Specification

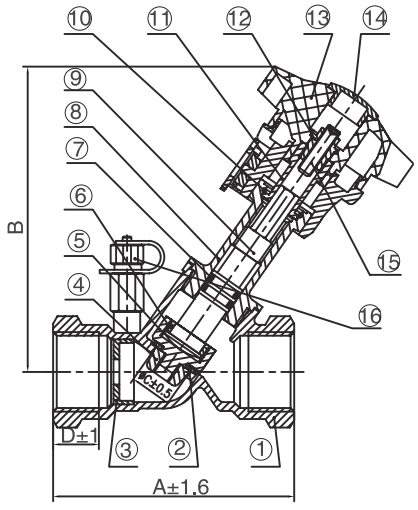
- Design standard: BS7350
- Connection Standard: Threaded to BS21
- Test Standard: BS6755
- Medium: water

Approval

WRAS APPROVED PRODUCT

Material

No.	Component	Material	Standard
1	Body	Bronze	CC491K
2	Disc Face	DZR Brass(DN15-DN20) PTFE(DN25-DN50)	CC491K
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(DN15-DN32) Bronze(DN40-DN50)	CW602N CC491K
9	Stem	DZR Brass	CW602N
10	Retainer Ring	Stainless Steel	304
11	Sleeve	Brass	CW617N
12	Screw	Brass	CW614N
13	Hand Wheel	PA	
14	Cap	PA	
15	Screw	Stainless Steel	304
16	Test Point	DZR Brass	CW602N



Installation Dimensions

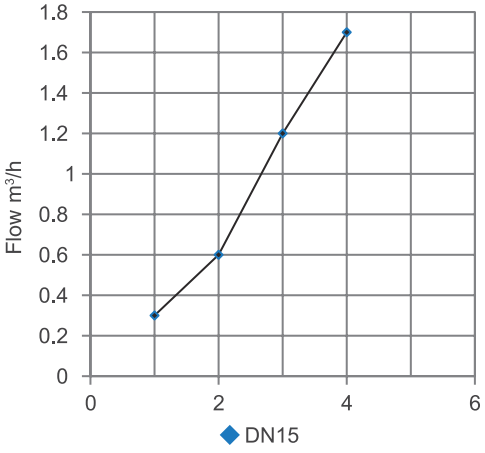
DN	A	B	C	Weight(Kg)	Flow	KV
DN15	87	105	10	0.528	1.72	2.2
DN20	96	106	13.7	0.585	2.97	4.6
DN25	100	127	17.4	0.812	4.75	8.5
DN32	114	128	24.6	1.021	10.25	16.7
DN40	125	143	31.8	1.447	16.83	26.1
DN50	146	144	38.9	2.003	27.26	43.2

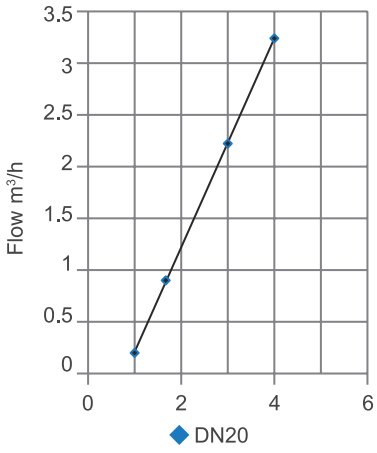
Kv Values/Position Setting

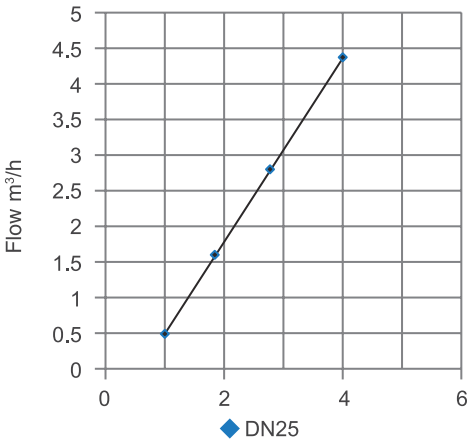
Setting	DN15	DN20	DN25	DN32	DN40	DN50
1	0.3	0.4	0.7	1.3	2.3	2.79
2	0.6	0.9	1.6	4	5.3	7.5
3	1.2	2.3	2.8	8.5	13.7	20.63
4	1.7	3.3	4.6	10.5	16.8	27.37

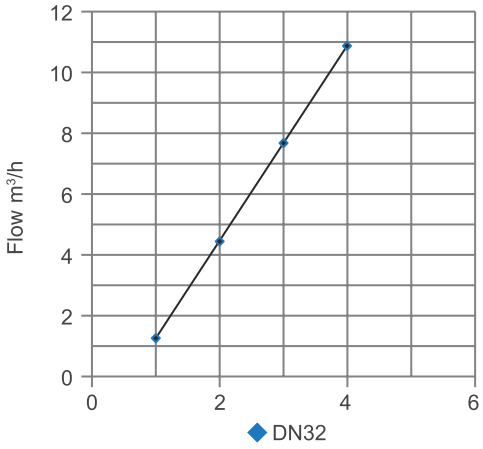
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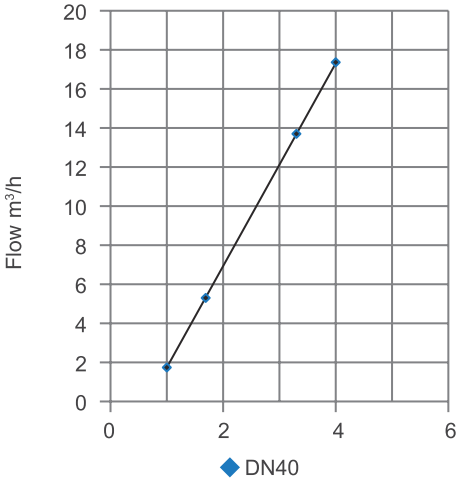
Characteristic Curves

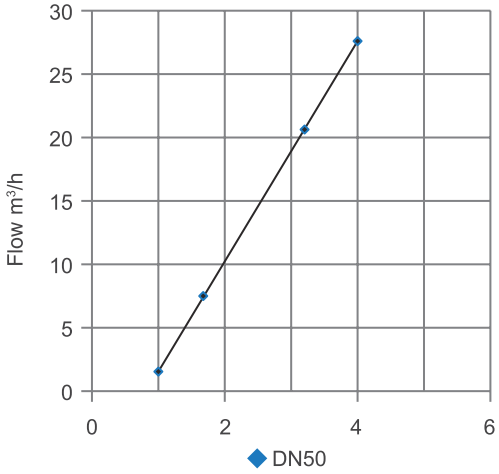












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