



Valves Range

BSSX Threaded Bronze Static Balancing Valves PN16 Flange

No	Component	Material
1	Body	Bronze
2	Disc	Brass
3	Seat	PTFE
4	O-ring	EPDM
5	Bonnet	Brass
6	Memory Stem	Brass
7	Stem	Brass
8	Handwheel	PA6

Applicable Standards

Product standard: BS 7350: 1990
 Connection standard: BS EN 10226-1
 Pressure test standard:
 BS EN 12266-2003

Technical Data

Size: DN15~DN50 (1/2~2)
 Nominal pressure: PN 25
 Temperature range: -10°C ~120°C
 Max working pressure: 25 bar
 Minimum shell test pressure: 37.5 bar
 Minimum seat test pressure: 27.5 bar
 Suitable for: Water, Glycol

Features and Benefits:

- Available in sizes 1/2"-2".
- Y pattern type design.
- Manufactured with a high quality bronze material.
- Designed to resistant to corrosion.
- Designed to reduce friction and torque.
- Designed and manufactured in accordance with BS 7350:1990.
- Designed with multiple pressure tapping point for flow testing equipments.
- Manufactured with a lockable handle wheel for added protections.
- Designed for high pressure flow rate of 15~20% to more than T type.
- Available with an orifice body for accurate regulation and pre setting features.
- Designed to reduce commissioning cost.
- Suitable for water and glycol applications.

KV Value (DN15 - DN50) - unit: mm							
Turns	DN15	DN20	DN25	DN30	DN40	DN50	
0.5	0.54	0.93	1.39	2.21	3.46	7.20	
1.0	0.72	1.14	2.05	2.97	4.29	8.60	
1.5	0.82	1.61	2.76	4.13	5.29	10.26	
2.0	0.90	2.34	3.83	5.60	6.44	12.41	
2.5	1.22	3.55	4.99	7.28	8.03	13.42	
3.0	1.75	4.70	6.14	8.89	9.61	15.47	
3.5	2.26	5.26	7.17	9.99	11.34	16.74	
4.0	2.68	5.68	7.77	10.83	12.75	17.29	
4.5	3.01	5.76	7.99	11.46	14.29	19.94	
5.0	*	*	*	11.91	15.26	20.86	
5.5	*	*	*	*	16.26	22.99	
6.0	*	*	*	*	*	23.95	
6.5	*	*	*	*	*	24.96	
7.0	*	*	*	*	*	*	

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Europe code	Size	DN	L	H	Weight (kg)	
D0015DTBSHMSRE	1/2"	15	100	119	0.55	
D0020DTBSHMSRE	3/4"	20	100	119	0.70	
D0025DTBSHMSRE	1"	25	113	123	0.80	
D0032DTBSHMSRE	1 1/4"	32	117	133	1.00	
D0040DTBSHMSRE	1 1/2"	40	131	140	1.30	
D0050DTBSHMSRE	2"	50	150	152	1.75	

Kv turns pre-setting process

Method as below: (Take 2.5 turns for example.)



A) Turn the wheel to position 0: the valve is fully closed.



B) Open the valve until the two marking zones reach respectively position 2 & 5: the sealing disc is opened at 2.5 turns.



C) Take off the green cap on the handwheel. Using a 4mm Allen key turn the memory device clockwise until it stops, the maximum opening position is set to 2.5 turns.



D) Put back the green cap. Pre-setting is done.



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