



Static Balancing Valve BSPX Series PN16 Flanged

No	Component	Material
1	Body	Ductile Iron GGG40
2	Sealing Ring	EPDM
3	Bonnet	Ductile Iron GGG40
4	Stem	Brass
5	O-ring	EPDM
6	Gland	Brass
7	Screw	Brass
8	Handwheel	PA6
9	Memory Wheel	Brass
10	Bolt	Grade 8.8
11	Guid Stem	SS410

Applicable Standards

Product standard: BS 7350: 1990

Flanges standard: BS EN 1092-2

Face to face standard: BS EN 558-1

Technical Data

Size: DN65 ~ DN300 (21/2~12)

Nominal pressure: PN 16

Temperature range: -5°C ~ 80°C

Shell test pressure: 1.5PN

Seat test pressure: 1.1PN

Suitable for: Water, Glycol

Features and Benefits:

- Available in sizes 2 1/2"-12".
- Y pattern type design.
- Available with a shut off handle for zero leakage.
- Designed with a high quality ductile iron material.
- Suitable for water and glycol applications.
- Designed and manufactured in accordance with BS 7350:1990.
- Ascetically designed and constructed.
- Manufactured with a high pressure flow rate of more than T type.
- Designed to balance the pressure and reduce torque.
- Designed with multiple pressure tapping point for flow testing equipments.
- Manufactured with a lockable handle wheel for added protections.
- Available with an orifice body for accurate regulation and pre setting features.
- Designed to reduce commissioning cost.

KV Value (DN65 - DN300) - unit: mm									
Turns	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	
0.5	1.80	2.00	2.50	5.50	6.50	*	*	*	
1.0	3.40	4.00	6.00	10.5	12.0	*	*	*	
1.5	4.90	6.00	9.00	15.5	22.0	*	*	*	
2.0	6.50	8.00	11.5	21.5	40.0	40.0	290.0	*	
2.5	9.30	11.0	16.0	27.0	65.0	50.0	110.0	*	
3.0	16.3	14.0	26.0	36.0	100.0	65.0	140.0	150.0	
3.5	25.6	19.5	44.0	55.0	135.0	90.0	195.0	230.0	
4.0	35.3	29.0	63.0	83.0	169.0	120.0	255.0	300.0	
4.5	44.5	41.0	80.0	114.0	207.0	165.0	320.0	370.0	
5.0	52.0	55.0	98.0	141.0	242.0	225.0	385.0	450.0	
5.5	60.5	68.0	115.0	167.0	279.0	285.0	445.0	535.0	
6.0	68.0	80.0	132.0	197.0	312.0	340.0	500.0	620.0	
6.5	73.0	92.0	145.0	220.0	340.0	400.0	545.0	690.0	
7.0	77.0	103.0	159.0	249.0	367.0	435.0	590.0	750.0	
7.5	80.5	113.0	175.0	276.0	391.0	470.0	660.0	815.0	
8.0	85.0	120.0	190.0	300.0	420.0	515.0	725.0	890.0	
9.0						595.0	820.0	970.0	
10						650.0	940.0	1040.0	
11						710.0	1050.0	1120.0	
12						765.0	1185.0	1200.0	
13								1320.0	
14								1370.0	
15								1400.0	
16								1450.0	

BSPX Static Balancing Valve									
Europe code	Size	DN	L	H	D	φ	D1	n- d	Weight (kg)
D0065CFDSH01RE	2 1/2"	65	290	215	185	145	145	4-19	13.05
D0080CFDSH01RE	3"	80	310	225	200	160	160	8-19	16.05
D0100CFDSH01RE	4"	100	350	240	220	180	180	8-19	21.65
D0125CFDSH01RE	5"	125	400	270	250	210	210	8-19	31.60
D0150CFDSH01RE	6"	150	480	280	285	240	240	8-23	47.75
D0250CFDSH01RE	8"	200	600	420	340	295	295	12-23	79.25
D0300CFDSH01RE	10"	250	730	450	405	350	350	12-28	126.50
D0200CFDSH01RE	12"	300	850	480	460	410	410	12-28	236.00

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.



Conex Universal Limited: Global House, 95 Vantage Point, The Pensnett Estate, Kingswinford, West Midlands DY6 7FT, UNITED KINGDOM.
 Tel: +44 (0)121 557 2831 | Fax: +44 (0)121 520 8778 | Email: salesuk@ibpgroup.co.uk | Website: www.ibpgroup.com