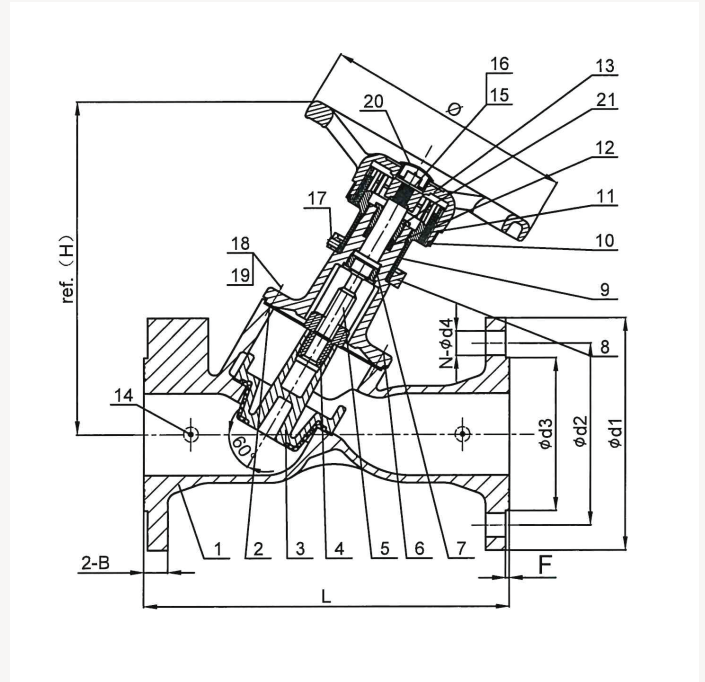


BSPX Static Balancing Valve PN16 flanged



Material specification

**BSPX Static Balancing Valve Flanged 2 1/2" to 12"**

No	Component	Material
1	Body	Ductile iron EN-JS 1040
2	Seal gasket	EPDM
3	Disc	Ductile iron EN-JS 1040 + EPDM
4	Stem nut	Brass EN 12165 CW617N
5	Stem	Stainless steel BS970 410S21 (DN65-DN300) Stainless steel BS970 431S21 (DN350-DN600)
6	Cover	Ductile iron EN-JS 1040
7	Stem lock bushing	Brass EN 12165 CW617N
8	Limit set indicator	Brass EN 12165 CW617N + galvanized (DN65-DN300) Stainless steel BS970 304S15 (DN350-DN600)
9	Printed set indicator	Brass EN 12165 CW617N
10	Directed circle	ABS
11	Indicator	ABS
12	Packing	PTFE + EPDM
13	Handwheel	Ductile iron EN-JS 1040
14	Plug	Steel
15	Bolt	Stainless steel BS970 304S15
16	Big gasket	Stainless steel BS970 304S15
17	Hexagon socket screws	Stainless steel BS970 304S15
18	Bolt	Stainless steel BS970 304S15
19	Spring gasket	Stainless steel BS970 304S15
20	Indicator dust cover	ABS
21	Packing gland	Brass EN 12165 CW617N (DN65-DN150) Ductile iron EN-JS 1040 (DN200-DN600)

## Applicable standards:

- Product standard: BS 7350.
- Flanges standard: EN 1092-2.
- Face to face standard: EN 558-1.

## Technical data:

- Size: DN 65 - DN 300 (2 1/2" - 12").
- Nominal pressure: PN16.
- Shell test pressure: 24 bar.
- Seat test pressure: 17.6 bar.
- Temperature range: -10 °C to 120 °C.
- Suitable for water and water/glycol.

## Features and benefits:

- Available in sizes 2 1/2" - 12", sizes 14" up to 20" available to special order please contact your local Conex Bänninger representative.
- Y type body design allows higher flow rate, 15 - 20% more than T type.
- Full shut-off for zero leakage.
- Manufactured from high quality ductile iron.
- Suitable for water and water/glycol applications.
- Designed and manufactured in accordance with BS 7350.
- Designed with multiple pressure tapping points for flow testing equipment.
- Tamperproofing via lockable handwheel.
- Variable orifice body for accurate regulation and easy presetting.
- Electrostatically coated with corrosion resistant epoxy powder internally and externally. Minimum coating thickness 250 microns.

## BSPX Static Balancing Valve Flanged 2 1/2" - 12"

Order Code	Size	DN	H	L	B	Ø	Ød1	Ød2	Ød3	N-Ød4	F	Coefficients	
												Flow Kv	Head K
D0065CFDSH01RO	2 1/2"	65	265	290	19	200	185	145	118	4- Ø19	3	83.8	3.78
D0080CFDSH01RO	3"	80	270	310	19	200	200	160	132	8- Ø19	3	119.5	5.24
D0100CFDSH01RO	4"	100	310	350	19	240	220	180	156	8- Ø19	3	178.7	9.53
D0125CFDSH01RO	5"	125	340	400	19	290	250	210	184	8- Ø19	3	272.7	6.98
D0150CFDSH01RO	6"	150	340	480	19	290	285	240	211	8- Ø23	3	380.0	5.35
D0200CFDSH01RO	8"	200	537	600	20	350	340	295	266	12- Ø23	3	608.0	6.26
D0250CFDSH01RO	10"	250	570	730	22	420	405	355	319	12- Ø28	3	1292.0	5.57
D0300CFDSH01RO	12"	300	690	850	24.5	420	460	410	370	12- Ø28	4	1791.5	6.43

## Valve opening, indication and regulation

DN65 - 150 valves operate from closed to fully open with eight complete turns of the microset handwheel, twelve turns for DN 200 – 250 and eighteen turns for DN300. The microset handwheel indicates the valve setting by means of digits appearing in outer and inner windows. The digit in the outer window indicates tenths of a turn. 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.