

JFS

BEIJING JOINT FLOW SYSTEM CO.

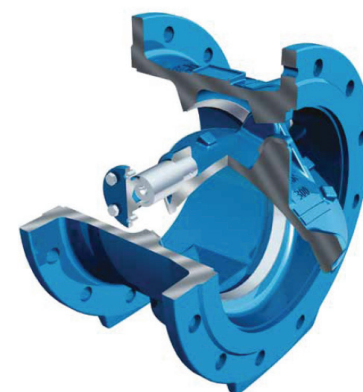
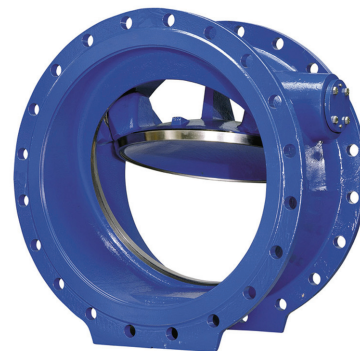


CHECK VALVE



SLANTED SEAT CHECK VALVE

Slanted seat check valve is kind of metallic-sealing or soft-sealing non-return valve with slanted seat for reducing the closing time and head-loss, and with specially shaped disc that supports the opening movement. This valve is suitable for use in water treatment applications, water distribution, pretreated sewage, power plants and industry.



FEATURE

- Reduced pressure losses due to free running disc.
- Short closing time due to approx 30% reduced stroke by means of a slanted seat.
- No external shaft bushes due to the slanted seat design.
- No lever and weight required for assisted closing, therefore no frictional sealing required and no hazardous external moving parts
- Hydraulic cylinder and Counter weight are available on request.
- Minimum space required for installation due to short face-to-face length and no external assembly components.
- Maintenance-free metallic sealing by way of a micro-finished.
- High-alloy weld overlay which ensures corrosion and wear resistant sealing faces.

STANDARD

Design and Manufacture	EN 12334
Inspection and Testing	EN 12266 / ISO 5752
Face to Face Dimension	EN 558 Series 14
Flange Dimension	EN 1092-2 / ISO 7005-2

*More standard specifications are available on request.

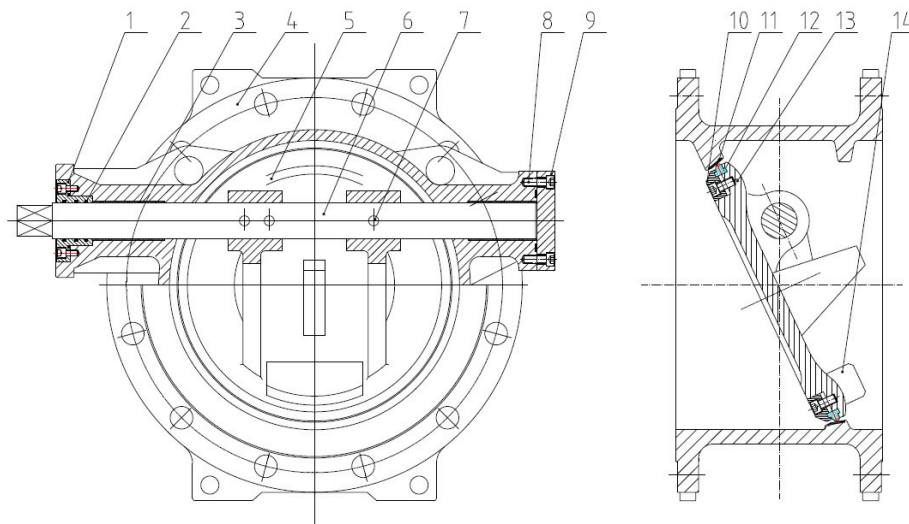
TEST DATA

Nominal Pressure PN (MPa)	1.0	1.6
Hydraulic Shell Test Pressure (MPa)	1.5	2.4
Hydraulic Seal Test Pressure (MPa)	1.1	1.76
Temperature (°C)	≤115° C	

*More test specifications are available on request.

SLANTED SEAT CHECK VALVE

PARTS LIST AND MATERIAL

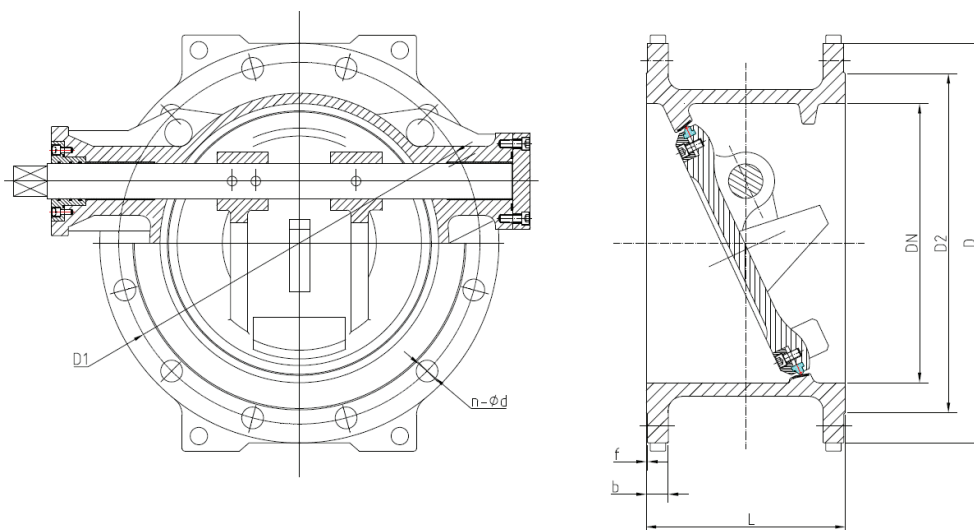


No.	Parts Name	Material
1	Gland	Ductile Iron/Carbon Steel/Stainless Steel
2	O-ring	EPDM
3	Bearing Bushing	Self lubricating
4	Body	Ductile Iron/Carbon Steel/Stainless Steel
5	Disc	Ductile Iron/Carbon Steel/Stainless Steel
6	Shaft	Stainless Steel
7	Pin	Stainless Steel
8	Screw	Alloy Steel
9	Cover	Carbon Steel/Stainless Steel
10	Retaining Ring	Carbon Steel/Stainless Steel
11	Body Seat	Stainless Steel
12	Disc Sealing Ring	Stainless Steel/Rubber
13	Screw	Alloy Steel
14	Counter Weight	Carbon Steel
15	Hydraulic Cylinder (option)	Carbon Steel

*More material specifications are available on request.

SLANTED SEAT CHECK VALVE

DIMENSION (PN10)

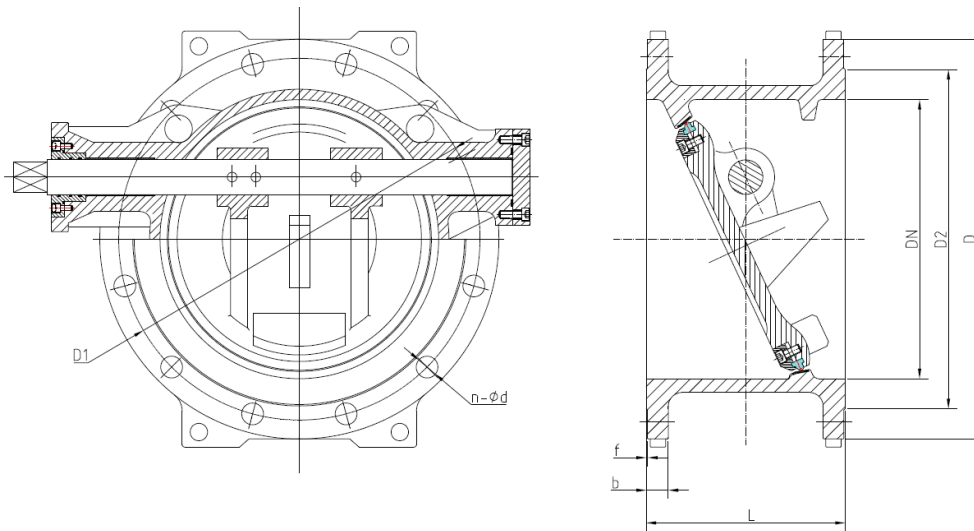


DN (mm)	NPS (inch)	L	D	D1	D2	b	f	n-φd
250	10	250	395	350	319	22	3	12-φ23
300	12	270	445	400	370	24.5	4	12-φ23
350	14	290	505	460	429	24.5	4	16-φ23
400	16	310	565	515	480	24.5	4	16-φ28
450	18	330	615	565	530	25.5	4	20-φ28
500	20	350	670	620	582	26.5	4	20-φ28
600	24	390	780	725	682	30	5	20-φ31
700	28	430	895	840	794	32.5	5	24-φ31
800	32	470	1015	950	901	35	5	24-φ34
900	36	510	1115	1050	1001	37.5	5	28-φ34
1000	40	550	1230	1160	1112	40	5	28-φ37
1200	48	630	1455	1380	1328	45	5	32-φ41
1400	56	710	1675	1590	1530	46	5	36-φ44
1600	64	790	1915	1820	1750	50	5	40-φ50
1800	72	870	2115	2020	1950	54	5	44-φ50

*More dimension specifications are available on request.

SLANTED SEAT CHECK VALVE

DIMENSION (PN16)



DN (mm)	NPS (inch)	L	D	D1	D2	b	f	n-φd
250	10	250	405	355	319	22	3	12-φ28
300	12	270	460	410	370	24.5	4	12-φ28
350	14	290	520	470	429	26.5	4	16-φ28
400	16	310	580	525	480	28	4	16-φ31
450	18	330	640	585	548	30	4	20-φ31
500	20	350	715	650	609	31.5	4	20-φ34
600	24	390	840	770	720	36	5	20-φ37
700	28	430	910	840	794	39.5	5	24-φ37
800	32	470	1025	950	901	43	5	24-φ41
900	36	510	1125	1050	1001	46.5	5	28-φ41
1000	40	550	1255	1170	1112	50	5	28-φ44
1200	48	630	1485	1390	1328	57	5	32-φ50
1400	56	710	1685	1590	1530	60	5	36-φ50
1600	64	790	1930	1820	1750	65	540	40-φ57
1800	72	870	2130	2020	1950	70	5	44-φ57

*More dimension specifications are available on request.