

BS FLANGED SWING CHECK VALVE

Type: H44X2

Doc No: DS-902-H44X2-01-E-S

1.0 PRODUCT OVERVIEW

The swing check valve is an automatic valve type, which is mainly used for the one-way flow of the medium, and only allows the medium to flow in one direction to prevent backflow of water.



Dimensions:

2"(DN50)-12"(DN300)

Design Standard:

EN 12334

Connection Standard:

BS EN 1092-2

Working Pressure:

PN16, PN10

Application:

The swing check valve is suitable for drinking water, water supply and drainage, sewage treatment, irrigation, air conditioning and other pipeline systems, the working temperature is from 0 to 80°C

Material of Matched Products:

Flanged pipes in accordance with BS EN 1092-2

Surface Treatment:

Sign Off:

Owner: _____ Contractor: _____
Location: _____ Date: _____

Engineer: _____
Approved & Date: _____

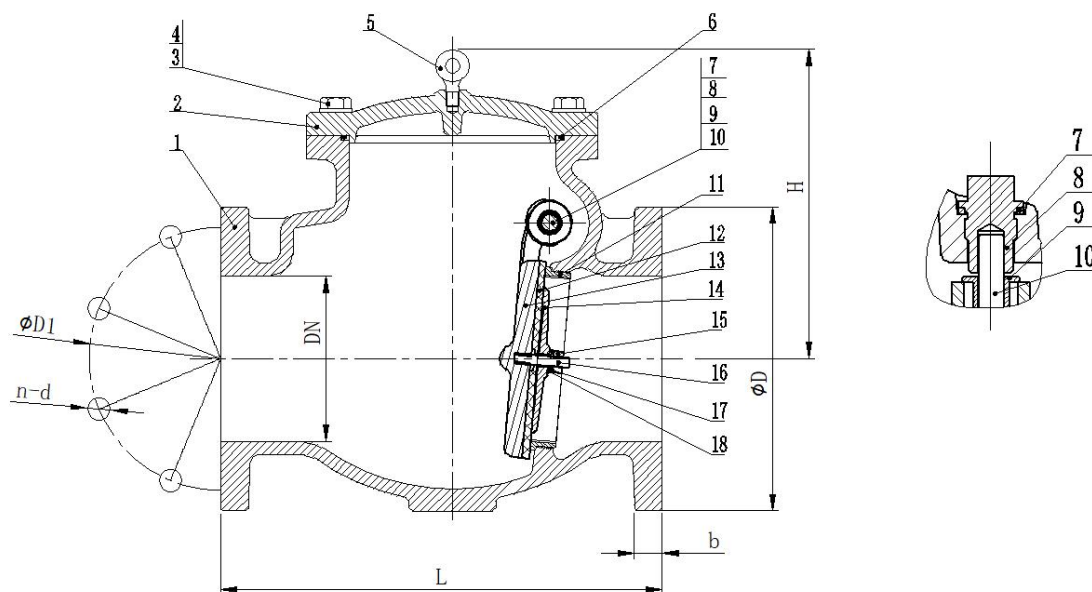
- ☐ Epoxy power painting (color numbers as RAL5002, RAL5005, etc)
- ☐ Painting (color numbers as RAL5005, etc)
- ☐ Others would be available upon clients' detailed request

2.0 APPROVALS



3.0 SPECIFICATIONS

Product Sketch:



Sign Off:

Owner: _____ Contractor: _____
 Location: _____ Date: _____

Engineer: _____
 Approved & Date: _____

Part No.	Part	Standard Specification	Options
1	Body	EN-GJS-450-10	
2	Bonnet	EN-GJS-450-10	
3	Bolts	Carbon Steel Zinc Plated	Stainless Steel
4	Washer	Carbon Steel Zinc Plated	Stainless Steel
5	Eye Bolt	Carbon Steel Zinc Plated	
6	O Ring	NBR	EPDM
7	Washer	PTFE	
8	Plug	Stainless Steel 304	
9	Hinge bushing	CW617N BRASS	
10	Hinge Pin	Stainless Steel 420	
11	Seat Ring	C83600 tin bronze	
12	Disc Sealing Ring	EPDM	NBR
13	Disc	EN-GJS-450-10	
14	Plate	Stainless Steel 420 (DN50-DN100) EN-GJS-450-10 (DN125-DN300)	
15	Nut	Stainless Steel 304	
16	Bolt	Stainless Steel 304	
17	Spring Washer	Stainless Steel 304	
18	Flat Washer	Stainless Steel 304	

4.0 DIMENSIONS AND PERFORMANCE

4.1 Dimensions

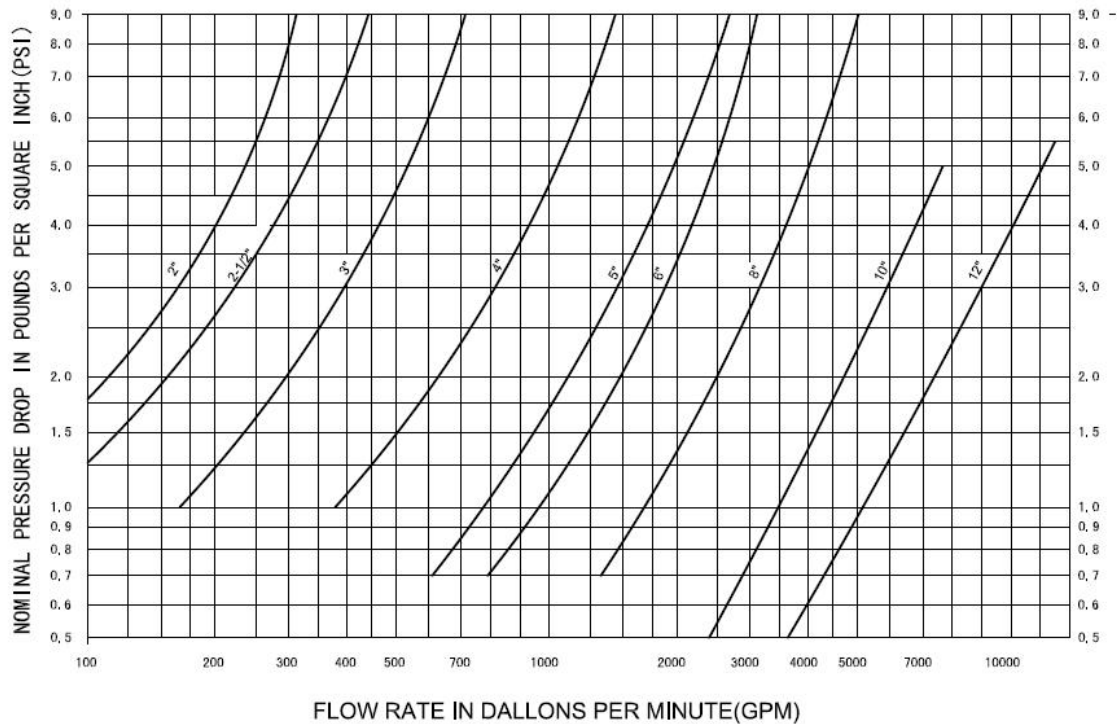
DN		PN	Dimensions(mm)						
Inch	mm		L	D	D1	b	E	H	n-Ød
2"	50	16	203	165	125	19	3	133	4-φ19
2.5"	65	16	216	185	145	19	3	150	4-φ19
3"	80	16	241	200	160	19	3	150	8-φ19
4"	100	16	292	220	180	19	3	218	8-φ19
5"	125	16	330	250	210	19	3	245	8-φ19
6"	150	16	356	285	240	19	3	290	8-φ19
8"	200	16	495	340	295	20	3	330	12-φ23
10"	250	16	622	405	355	22	3	350	12-φ28
12"	300	16	698	460	410	24.5	4	376	12-φ28

Sign Off:

Owner: _____ Contractor: _____
Location: _____ Date: _____

Engineer: _____
Approved & Date: _____

4.2 Flow Rates



4.3 Strength

Shell test: 1.5 times rated working pressure;

Sealing test: 1.8 times rated working pressure;

5.0 REFERENCE MATERIALS

Approved Certification for Check Valve

Sign Off:

Owner: _____ Contractor: _____

Location: _____ Date: _____

Engineer: _____

Approved & Date: _____