SWING CHECK VALVE

Type: H44X2 Doc No: DS-901- H44X2-01-E-X

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 accidents.



Dimensions:

2"(DN50)-12" (DN300)

Design Standard:

AWWA C508

Connection Standard:

ASME B16.1 CL125

Working Pressure:

363PSI, 300PSI, 250PSI, 200PSI

Application:

Suitable for fire protection systems

Pipe Material:

Connect flanged pipes in accordance with American Standard ASME B16.1 CL125

Sign Off:

Owner: _____ Contractor: _____ Engineer: _____

Location: _____ Date: _____ Approved & Date: _____

Surface Treatment:

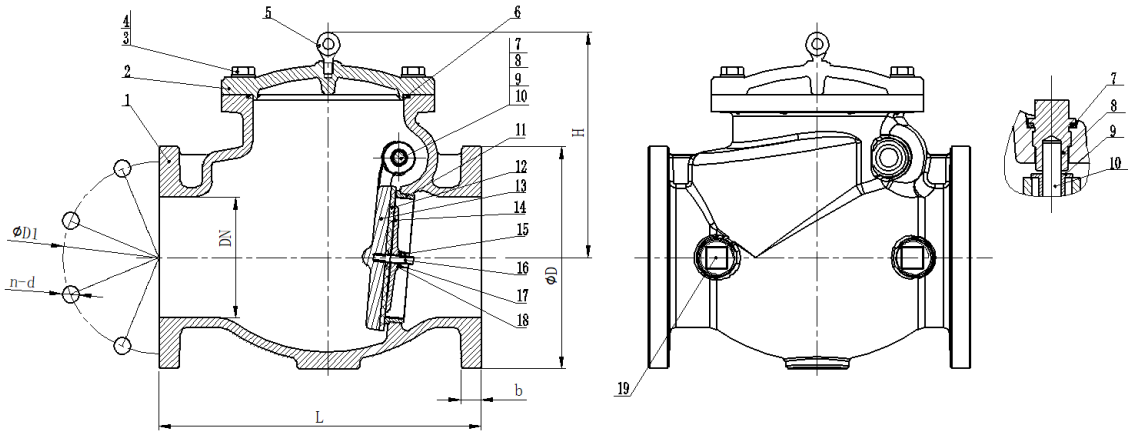
☐Epoxy power painting (color numbers as RAL3000, RAL3001, RAL3016,etc)
☐Painting (color numbers as RAL3000, RAL3001,etc)
☐Others would be available upon client's detailed request

2.0 APPROVALS

NSF/ANSI 61 NSF/ANSI 372

3.0 SPECIFICATIONS

Product Sketch:



Part No.	Part	Standard Specification	Options
1	Body	ASTM A536,65-45-12	
2	Bonnet	ASTM A536,65-45-12	
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	AISI 304	
9	Hinge bushing	CW617N Brass	
10	Hinge Pin	AISI 420	
11	Seat Ring	C83600 Tin Bronze	
12	Disc Sealing Ring	EPDM	NBR

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13	Disc	ASTM A536,65-45-12	
14	Plate	AISI420(DN50-DN100) ASTM A536,65-45-12 (DN125-DN300)	
15	Nut	AISI 304	
16	Bolt	AISI 304	
17	Spring Washer	AISI 304	
18	Flat Washer	AISI 304	
19	Plug	C89833 Tin bronze	

4.0 DIMENSIONS AND PERFORMANCE

4.1 Dimensions

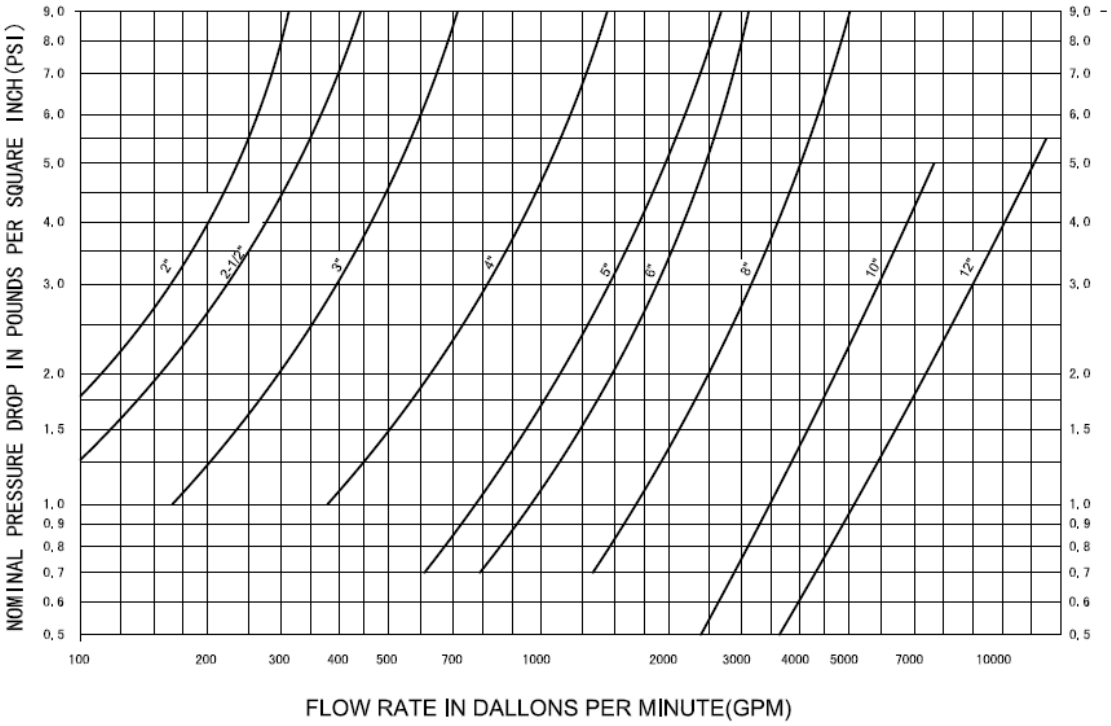
DN		PN	Dimensions(mm)					
Inch	mm		L	D	D1	b	n-Ød	H
2"	50	300PSI	203	152	120.7	16	4-Ø19.1	133
2.5"	65	300PSI	254	178	139.7	17.5	4-Ø19.1	150
3"	80	300PSI	278	191	152.4	19	4-Ø19.1	150
4"	100	250PSI	330	229	190.5	24	8-Ø19.1	218
6"	150	250PSI	406	279	241.3	25.5	8-Ø22.2	290
8"	200	250PSI	495	343	298.5	28.5	8-Ø22.2	355
10"	250	250PSI	622	406	362	30.5	12-Ø25.4	420
12"	300	250PSI	660	483	431.8	32.5	12-Ø25.4	465

4.2 Flow loss

Sign Off:

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4.3 Strength & Working environment

4.3.1 Strength
4.3.1.1 Shell test: 1.5 times rated working pressure;
4.3.1.2 sealing test: 1.1 times rated working pressure;

4.3.2. Working environment
4.3.2.1 Maximum working temperature 80 ° C
4.3.2.2 Use medium water

5.0 REFERENCE MATERIALS

I-JM-Alarm valves: Installation Instructions for Swing Check Valve

Sign Off:
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Location: _____ Date: _____ Approved & Date: _____