ANSI STANDARD GROOVED RESILIENT SWING CHECK VALVE

Type: H84X Doc No: DS-901-H84X-01-E-X

1.0 PRODUCT OVERVIEW

The grooved resilient swing check valve is a one-way check valve. When the medium flows forward, the valve disc opens under the action of fluid pressure. When the medium flows backward, the valve disc closes under spring elasticity and reverse fluid pressure, which cuts off the passage and prevents backflow.



Dimensions:

2”(DN50)-12”(DN300)

Design Standard:

UL312, FM1210

Connection Standard:

AWWA C606, ISO 6182

Working Pressure:

363PSI, 300PSI, 250PSI, 200PSI, PN16, PN10

Application:

The grooved resilient swing check valve is suitable for fire protection system, the working temperature is from 0 to 80℃

Material of Matching Products:

Grooved to AWWA C606 or ISO 6182 valves or fittings

Surface Treatment:

☐ Epoxy power painting (color numbers as RAL9005, etc)

Sign Off:

Owner: _____ Contractor: _____ Engineer: _____

Location: _____ Date: _____ Approved & Date: _____

☐ Painting (color numbers as RAL9005, etc)
☐Others would be available upon clients' detailed request

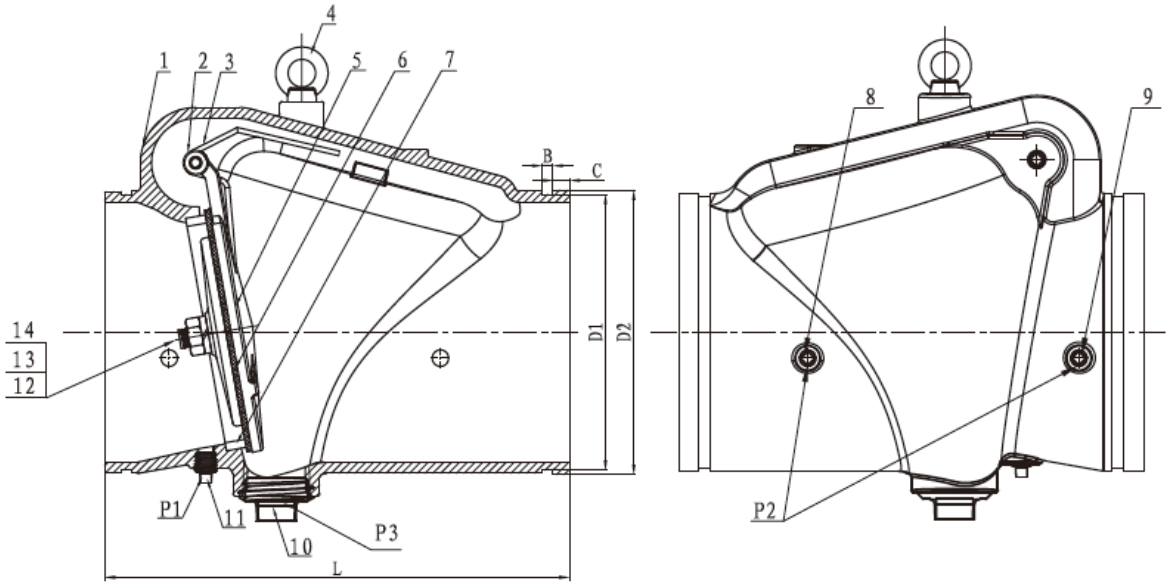
2.0 APPROVALS

c UL us LISTED FM APPROVED LPCB NSF/ANSI 61 NSF/ANSI 372 VdS

CNB OP-PIB
Nr 063-UWB-0159
AT-1106-0452/2015

3.0 SPECIFICATIONS

Product Sketch:



Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536,65-45-12	
2	Hinge Pin	AISI420	
3	Spring	AISI 304	AISI 316
4	Eye Bolt	Carbon Steel Zinc Plated	
5	Disc	DN50-100 AISI 304 DN150-300 ASTM A536,65-45-12	
6	Disc Sealing Ring	EPDM	NBR
7	Seat Ring	ASTM B62 C83600 (Pressed Fit)	AISI 304, AISI 316

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			Pressed Fit or Threaded
8	Plug	Malleable Iron Galvanized	Bronze ASTM B584
9	Plug	Malleable Iron Galvanized	Bronze ASTM B584
10	Plug	Malleable Iron Galvanized	Bronze ASTM B584
11	Plug	Malleable Iron Galvanized	Bronze ASTM B584
12	Bolt	AISI304	AISI316
13	Washer	AISI304	AISI 316
14	Nut	AISI304	AISI 316

4.0 DIMENSIONS AND PERFORMANCE

4.1 Dimensions

DN	Dimensions(inch)							
inch	L	D1	D2	B	C	P1	P3	P2
2"	6.7323	2.2500	2.3740	0.3122	0.6252	1/2-14	1/2-14	3/8-18
2 1/2"	7.2441	2.7201	2.8740	0.3122	0.6252	1/2-14	1/2-14	3/8-18
3OD"	7.2441	2.8449	2.9961	0.3122	0.6252	1/2-14	1/2-14	3/8-18
3"	7.7559	3.3441	3.5000	0.3122	0.6252	1/2-14	1/2-14	3/8-18
4"	8.1102	4.3339	4.5000	0.3752	0.6252	1/2-14	1/2-14	1/2-14
51/2OD"	9.7638	5.3339	5.5000	0.3752	0.6252	1/2-14	1/2-14	1/2-14
5"	9.7638	5.3949	5.5630	0.3752	0.6252	1/2-14	1/2-14	1/2-14
61/2OD	12.7559	6.3346	6.5000	0.3752	0.6252	1/2-14	1/2-14	1/2-14
6"	12.7559	6.4551	6.6260	0.3752	0.6252	1/2-14	1/2-14	1/2-14
8"	14.6063	8.4409	8.6260	0.4382	0.7500	1/2-14	1/2-14	1/2-14
10"	17.9921	10.5622	10.7480	0.5000	0.7500	1/2-14	1/2-14	1/2-14
12"	21.0630	12.5311	12.7520	0.5000	0.7500	1/2-14	1/2-14	1/2-14

4.2 Shell & Seal Testing

Shell Test: 2 times reted working pressure
Seal Test: 2 times reted working pressure

5.0 REFERENCE MATERIALS

Approved Certification for Check Valve

Sign Off:
Owner: _____ Contractor: _____ Engineer: _____
Location: _____ Date: _____ Approved & Date: _____