

Last Updated September 2018

ONLINE CATALOG



Grooved Butterfly Valve with Tamper Switch (XD381X), UL/FM/VdS Approved

For Fire Sprinkler System

OC2700.7CL

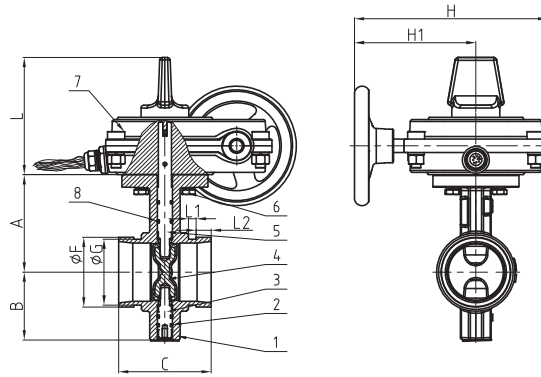


XD381X



NSF/ANSI 61 NSF/ANSI 372

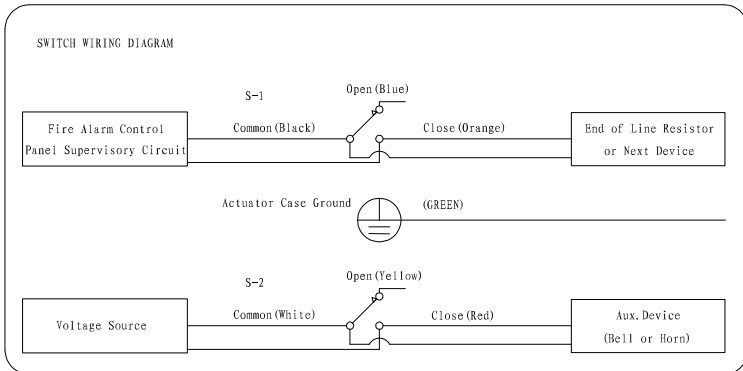
- Design Standard: MSS SP-67
- Connection Ends: Groove to AWWA C606
- Top Flange Standard: ISO 5211
- Working Pressure: 300PSI
175PSI, 200PSI and 250PSI available upon request
- Temperature Range: 0°C - 100°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	BODY	ASTM A536.65-45-12	
2	O-Ring	NBR	EPDM
3	Stub Shaft	AISI 431	
4	Disc	ASTM A536.65-45-12+EPDM	ASTM A536.65-45-12+NBR
5	Drive Shaft	AISI 431	
6	Hex Nut	Carbon Steel Zinc plated	
7	Signal Gearbox	Body:ASTM A536.65-45-12	
8	O-Ring	NBR	EPDM

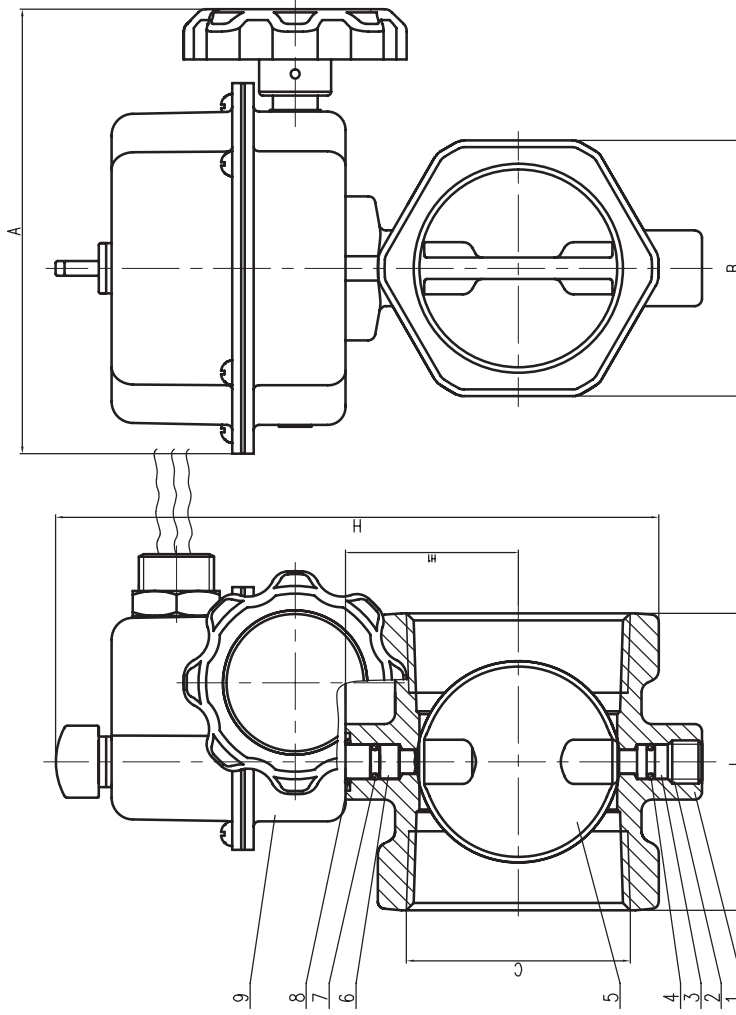
Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.



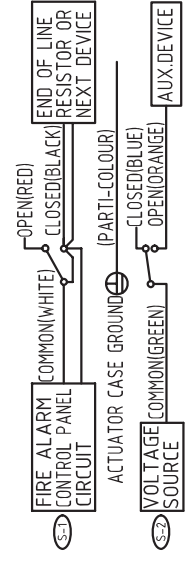
DN		Dimensions(mm)									
Inch	mm	A	B	C	F	G	L	L1	L2	H1	H
2"	50	89	65.00	81.00	60.3	57.15	122.5	7.93	15.88	127	202.2
2.5"	65	102	71	97	73.0	69.09	122.5	7.93	15.88	127	202.2
3"	80	109	81	97	88.9	84.94	122.5	7.93	15.88	127	202.2
4"	100	128	95	116	114.3	110.08	122.5	9.53	15.88	127	202.2
5"	125	141	111	148	141.3	137.03	122.5	9.53	15.88	127	202.2
6"	150	153	133	148	168.3	163.96	122.5	9.53	15.88	127	202.2
8"	200	184	164	133	219.1	214.40	122.5	11.10	19.05	185	260.2
10"	250	216	196	159	273.1	268.28	122.5	12.70	19.05	185	260.2
12"	300	254	226	165	323.9	318.29	132.0	12.70	19.05	202.5	297.5

Note: Valve must not be installed with disc in full open position. Disc must be partly closed so that no part is protruding beyond end of valve body.

RELEASE NO.



SWITCH WIRING DIAGRAM



NOTES:

1. Connection standard: ISO7-1;
2. Working Pressure: 175PSI;
3. Working temperature: 0-80 °C;
4. Coating: Fusion Bonded Epoxy Coating Complies with ANSI/AWWA C550.

9	Signal Gear Box	Carbon Steel
8	O-Ring	NBR
7	O-Ring	NBR
6	Stem	Stainless Steel
5	Disc	Carbon Steel+EPDM
4	O-Ring	NBR
3	Stem	Stainless Steel
2	Screw	Carbon steel Zinc Pland
1	Valve Body	EN-GJS-450-10
Part No.	Part&size	MATERIAL

DN	Dimensions(mm)							
	Inch	mm	L	H	H1	A	B	C(Rc)
1"		25	54	115	33	125	41	1
1.25"		32	67	117.5	37	125	49	1 1/4
1.5"		40	73	121	40.5	125	55.5	1 1/2
2"		50	82.5	131	48	125	71	2

DATE	REVISION	BY	MATERIAL:	DRAWING#	TITLE
				922X0311X4-27-0-E	FIG# Butterfly valve
			CHECKED BY	APPROVED BY	
			Ma Qinbo	Liu Shaoyun	
			SCALE	ISSUE DATE	
			FINISH:	09-12-16	
					JINAN MEIDE CASTING CO.,LTD.

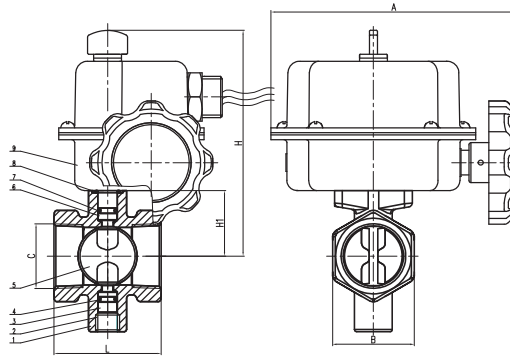
Threaded Butterfly Valve with Tamper Switch (XD311X)



XD311X



- Connection Ends: ASME B1.20.1
- Working Pressure: 175PSI
- Temperature Range: 0°C- 80°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550 or double coating of hot dipped galvanization plus electroplating



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536, 65-45-12	
2	Screw	Carbon Steel Zinc Plated	AISI 304, AISI 316
3	Stem	AISI 420	AISI 304, AISI 316, AISI 416, AISI 431
4	O-Ring	NBR	EPDM
5	Disc	Carbon Steel+EPDM	Carbon Steel+NBR
6	Stem	AISI 420	AISI 304, AISI 316, AISI 416, AISI 431
7	O-Ring	NBR	EPDM
8	O-Ring	NBR	EPDM
9	Signal Gear Box	Carbon Steel	

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		Dimensions(mm)					
Inch	mm	L	H	H1	A	B	C
1"	25	54	115	33	125	41	1-11.5NPT
1.25"	32	67	117.5	37	125	49	1 1/4-11.5NPT
1.5"	40	73	121	40.5	125	55.5	1 1/2-11.5NPT
2"	50	82.5	131	48	125	71	2-11.5NPT

Flanged Resilient OS&Y
Gate Valve (XZ41X),
UL/FM Approved



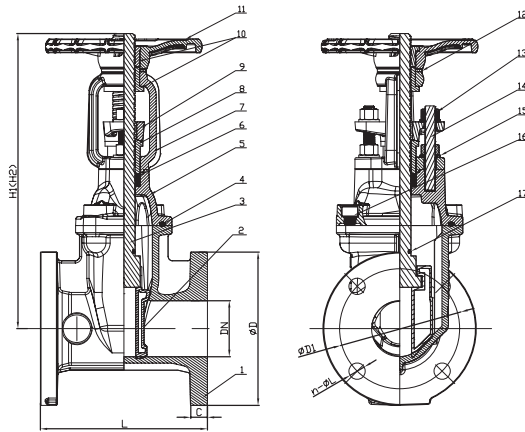
XZ41X



- Connection Ends: Flange to ASME B16.1 CL 125
- Working Pressure: 300PSI
200PSI and 250PSI available upon request
- Temperature Range: 0°C- 80°C
- Coating: Fusion Bonded Epoxy Coating Complies with ANSI/ AWWA C550



XZ41X-1



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536, 65-45-12	
2	Resilient Wedge Disc	ASTM A536, 65-45-12+EPDM	
3	Stem	ANSI 420	AISI 304, AISI 316, AISI 431, Al-bronze
4	Bonnet Gasket	EPDM	
5	Bonnet	ASTM A536, 65-45-12	
6	Stem Packing	EPDM	
7	Yoke	ASTM A536, 65-45-12	
8	Stem Bushing	Brass Hpb59-1	
9	Gland	ASTM A536, 65-45-12	
10	Stem Nut	Brass Hpb59-1	Bronze ZQSn5-5-5
11	Handwheel	ASTM A536, 65-45-12	Pressed Steel
12	Washer	Brass Hpb59-1	
13	Gland Nut	Carbon Steel Zinc Plated	AISI 304, AISI 316
14	Stud	Carbon Steel Zinc Plated	AISI 304, AISI 316
15	Flat Washer	Carbon Steel Zinc Plated	AISI 304, AISI 316
16	Nut	Carbon Steel Zinc Plated	AISI 304, AISI 316
17	O-Ring	EPDM	NBR

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		Dimensions(mm)						
Inch	mm	L	H1(Close)	H2(Open)	D	D1	C	n-ΦL
2"	50	178	348	400	152	120.7	16.0	4-Φ19.1
2.5"	65	190	373	440	178	139.7	17.5	4-Φ19.1
3"	80	203	408	490	191	152.4	19.1	4-Φ19.1
4"	100	229	471	573	229	190.5	19.1	8-Φ19.1
5"	125	254	541	665	254	215.9	19.1	8-Φ22.2
6"	150	267	601	755	279	241.3	19.1	8-Φ22.2
8"	200	292	774	975	343	298.5	22.2	8-Φ22.2
10"	250	330	939	1193	406	362.0	23.8	12-Φ25.4
12"	300	356	1065	1370	483	431.8	25.4	12-Φ25.4

For Fire Sprinkler System

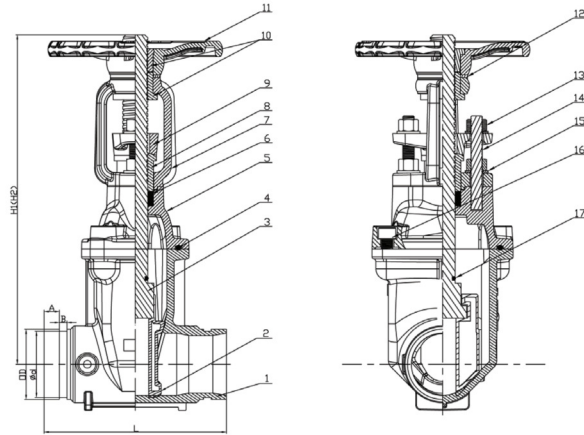
Grooved Resilient OS&Y Gate Valve (XZ81X), UL/FM Approved



XZ81X



- Connection Ends: Groove to AWWA C606
- Working Pressure: 300PSI
200PSI and 250PSI available upon request
- Temperature Range: 0°C- 80°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550 or painting upon request



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536, 65-45-12	
2	Resilient Wedge Disc	ASTM A536, 65-45-12+EPDM	
3	Stem	AISI 420	AISI 304, AISI 316, AISI 431, Al-bronze
4	Bonnet Gasket	EPDM	NBR
5	Bonnet	ASTM A536, 65-45-12	
6	Washer	Brass HPb59-1	
7	Yoke	ASTM A536, 65-45-12	
8	Stem Bushing	Brass HPb59-1	
9	Gland	ASTM A536, 65-45-12	
10	Stem Nut	Brass HPb59-1	Bronze ZQSn6-5-5
11	Handwheel	ASTM A536, 65-45-12	Pressed Steel
12	Washer	Brass HPb59-1	
13	Gland Nut	Carbon Steel Zinc Plated	AISI 304, AISI 316
14	Stud	Carbon Steel Zinc Plated	AISI 304, AISI 316
15	Flat Washer	Carbon Steel Zinc Plated	AISI 304, AISI 316
16	Nut	Carbon Steel Zinc Plated	AISI 304, AISI 316
17	O-Ring	EPDM	NBR

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		Dimensions(mm)						
Inch	mm	L	H1(Close)	H2(Open)	OD	d	A	B
2"	50	178	348	400	60.3	57.15	15.88	7.92
2.5"	65	190	373	440	73	69.09	15.88	7.92
3"	80	203	408	490	88.9	84.94	15.88	7.92
4"	100	229	471	573	114.3	110.08	15.88	9.52
5"	125	254	541	665	141.3	137.03	15.88	9.52
6"	150	267	601	755	168.3	163.96	15.88	9.52
8"	200	292	774	975	219.1	214.4	19.05	11.13
10"	250	330	1029	1283	273	268.28	19.05	12.7
12"	300	356	1065	1370	323.9	318.29	19.05	12.7

**Flanged x Grooved
Resilient OS&Y Gate Valve (XZ51X),
UL/FM Approved**

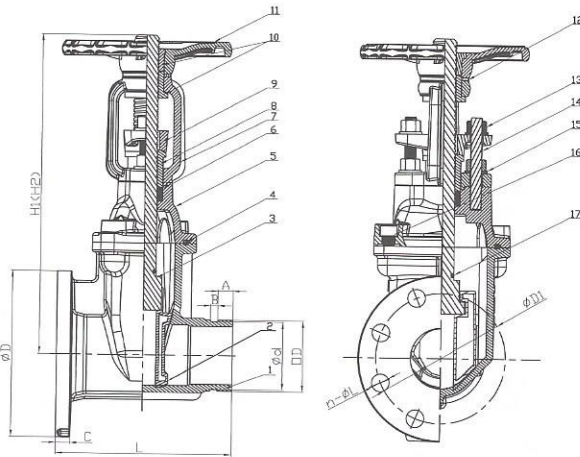


NSF/ANSI 61 NSF/ANSI 372

XZ51X



- Connection Ends: Flange to ASME B16.1 CL 125
Groove to AWWA C606
- Working Pressure: 300PSI
200PSI and 250PSI available upon request
- Temperature Range: 0°C- 100°C
- Coating: Fusion Bonded Epoxy Coating Complies with
ANSI/AWWA C550



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536, 65-45-12	
2	Resilient Wedge Disc	ASTM A536, 65-45-12+EPDM	
3	Stem	Stainless Steel	AISI 304, AISI 316, AISI 420, AISI 431
4	Bonnet Gasket	EPDM	
5	Bonnet	ASTM A536, 65-45-12	
6	Stem Packing	EPDM	
7	Yoke	ASTM A536, 65-45-12	
8	Stem Bushing	Brass Hpb59-1	
9	Gland	ASTM A536, 65-45-12	
10	Stem Nut	Brass Hpb59-1	Bronze ZQSn5-5-5
11	Handwheel	ASTM A536, 65-45-12	Pressed Steel
12	Washer	Brass Hpb59-1	
13	Gland Nut	Carbon Steel Zinc Plated	AISI 304, AISI 316
14	Stud	Carbon Steel Zinc Plated	AISI 304, AISI 316
15	Flat Washer	Carbon Steel Zinc Plated	AISI 304, AISI 316
16	Bolt	Carbon Steel Zinc Plated	AISI 304, AISI 316
17	O-Ring	NBR	EPDM

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.
Size 2"-5" with 1pc of 1/2" bronze NPT tapping plug, size 6"-12 with 1pc of 3/4" bronze NPT tapping plug.

DN		Dimensions(mm)									
Inch	mm	L	H1(Close)	H2(Open)	D	D1	C	n-ΦL	OD	d	A
2"	50	178	348	400	152	120.7	16.0	4-Φ19.1	60.3	57.15	15.88
2.5"	65	190	373	440	178	139.7	17.5	4-Φ19.1	73.0	69.09	15.88
3"	80	203	408	490	191	152.4	19.1	4-Φ19.1	88.9	84.94	15.88
4"	100	229	471	573	229	190.5	19.1	8-Φ19.1	114.3	110.08	15.88
5"	125	254	541	665	254	215.9	19.1	8-Φ22.2	141.3	137.03	15.88
6"	150	267	601	755	279	241.3	19.1	8-Φ22.2	168.3	163.96	15.88
8"	200	292	774	975	343	298.5	22.2	8-Φ22.2	219.1	214.4	19.05
10"	250	330	1029	1283	406	362.0	23.8	12-Φ25.4	273.0	268.28	19.05
12"	300	356	1065	1370	483	431.8	25.4	12-Φ25.4	323.9	318.29	19.05

AWWA C515 Flanged Resilient NRS Gate Valve (Z45X), NSF Approved

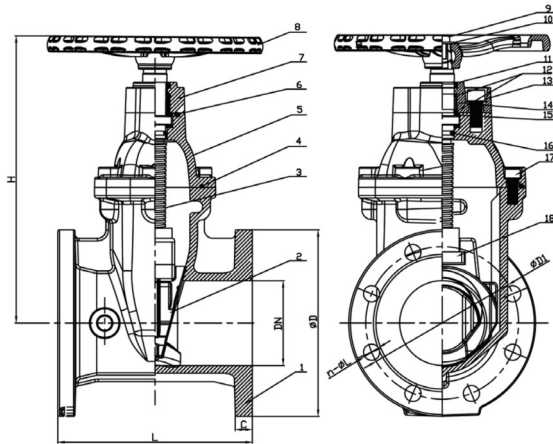


Z45X
NSF/ANSI 61 NSF/ANSI 372

- Connection Ends: Flange to ASME B16.1 CL 125
- Working Pressure: 300PSI
200PSI and 250PSI available upon request
- Temperature Range: 0°C- 80°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550



Z45XC



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536, 65-45-12	
2	Resilient Wedge Disc	ASTM A536, 65-45-12+EPDM	
3	Stem	AISI 431	AISI 304, AISI 316, AISI 420, Al-bronze
4	Bonnet Gasket	EPDM	NBR
5	Bonnet	ASTM A536, 65-45-12	
6	O-Ring	NBR	EPDM
7	Gland	ASTM A536, 65-45-12	
8	Handwheel	ASTM A536, 65-45-12	Pressed Steel
9	Bolt	Carbon Steel Zinc Plated	AISI 304, AISI 316
10	Flat Washer	Carbon Steel Zinc Plated	AISI 304, AISI 316
11	Ring Wiper	EPDM	NBR
12	O-Ring	NBR	EPDM
13	Nut	Carbon Steel Zinc Plated	AISI 304, AISI 316
14	Axis Guide	Brass Hpb59-1	
15	Washer	Brass Hpb59-1	
16	O-Ring	NBR	EPDM
17	Nut	Carbon Steel Zinc Plated	AISI 304, AISI 316
18	Wedge Nut	Brass Hpb59-1	Bronze ZQSn5-5-5

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		Dimensions(mm)					
Inch	mm	L	H	D	D1	C	n-ΦL
2"	50	178	254	152	120.7	16	4-Φ19.1
2.5"	65	190	275	178	139.7	17.5	4-Φ19.1
3"	80	203	301	191	152.4	19.1	4-Φ19.1
4"	100	229	355	229	190.5	19.1	8-Φ19.1
5"	125	254	393	254	215.9	19.1	8-Φ22.2
6"	150	267	448	279	241.3	19.1	8-Φ22.2
8"	200	292	548	343	298.5	22.2	8-Φ22.2
10"	250	330	626	406	362	23.8	12-Φ25.4
12"	300	356	722	483	431.8	25.4	12-Φ25.4
14"	350	381	917	533	476.25	35.05	12-Φ28.6
16"	400	406	917	597	539.75	36.58	16-Φ28.6
18"	450	432	1108	635	577.85	39.62	16-Φ31.8
20"	500	457	1130	699	635.00	42.93	20-Φ31.8
24"	600	508	1311	813	749.3	47.75	20-Φ34.9

For Waterworks Purposes

Flanged Resilient NRS Gate Valve (Z45XC), UL/FM Approved



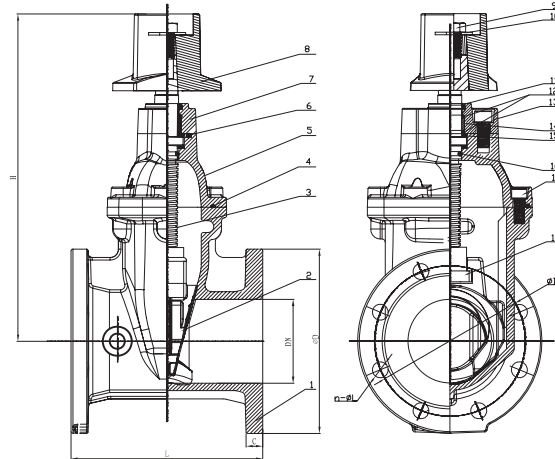
Z45XC



- Connection Ends: Flange to ASME B16.1 CL 125
- Working Pressure: 300PSI
200PSI and 250PSI available upon request
- Temperature Range: 0°C- 80°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550



Z45X



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536, 65-45-12	
2	Resilient Wedge Disc	ASTM A536, 65-45-12+EPDM	
3	Stem	AISI 431	AISI 304, AISI 316, AISI 420, Al-bronze
4	Bonnet Gasket	EPDM	NBR
5	Bonnet	ASTM A536, 65-45-12	
6	O-Ring	NBR	EPDM
7	Gland	ASTM A536, 65-45-12	
8	Stem Cap	ASTM A536, 65-45-12	
9	Boil	Carbon Steel Zinc Plated	AISI 304, AISI 316
10	Flat Washer	Carbon Steel Zinc Plated	AISI 304, AISI 316
11	Ring Wiper	EPDM	NBR
12	O-Ring	NBR	EPDM
13	Nut	Carbon Steel Zinc Plated	AISI 304, AISI 316
14	Axis Guide	Brass HPb59-1	
15	Washer	Brass HPb59-1	
16	O-Ring	NBR	EPDM
17	Nut	Carbon Steel Zinc Plated	AISI 304, AISI 316
18	Wedge Nut	Brass HPb59-1	Bronze ZQSn5-5-5

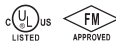
Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.
Size 2"-5" with 1pc of 1/2" bronze NPT tapping plug, size 6"-12 with 1pc of 3/4" bronze NPT tapping plug.

DN		Dimensions(mm)						
Inch	mm	L	H(Z45X)	H(Z45XC)	D	D1	C	n-ΦL
2"	50	178	254	278	152	120.7	16	4-Φ19.1
2.5"	65	190	275	300	178	139.7	17.5	4-Φ19.1
3"	80	203	301	321	191	152.4	19.1	4-Φ19.1
4"	100	229	355	375	229	190.5	19.1	8-Φ19.1
5"	125	254	393	415	254	215.9	19.1	8-Φ22.2
6"	150	267	448	455	279	241.3	19.1	8-Φ22.2
8"	200	292	548	565	343	298.5	22.2	8-Φ22.2
10"	250	330	626	636	406	362	23.8	12-Φ25.4
12"	300	356	722	731	483	431.8	25.4	12-Φ25.4

Flanged Resilient NRS Gate Valve with Post Flange (Z45XC-2), UL/FM Approved



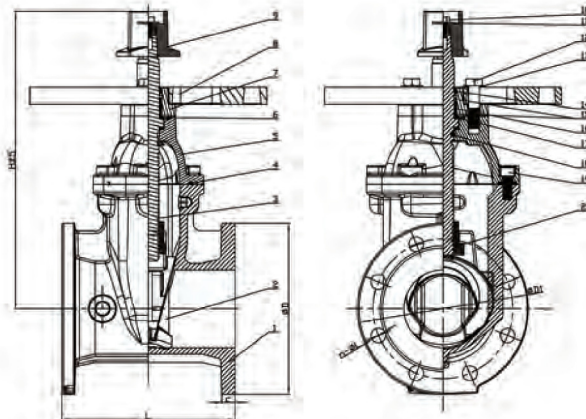
Z45XC-2



- Connection Ends: Flange to ASME B16.1 CL 125
- Working Pressure: 300PSI
200PSI and 250PSI available upon request
- Temperature Range: 0°C- 80°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550



Z35XC-2



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536, 65-45-12	
2	Resilient Wedge Disc	ASTM A536, 65-45-12+EPDM	
3	Stem	AISI 431	AISI 304, AISI 316, AISI 420, Al-bronze
4	Bonnet Gasket	EPDM	NBR
5	Bonnet	ASTM A536, 65-45-12	
6	O-Ring	NBR	EPDM
7	Gland	ASTM A536, 65-45-12	
8	Post Flange	ASTM A536, 65-45-12	
9	Square Operating Nut	ASTM A536, 65-45-12	
10	Bolt	Carbon Steel Zinc Plated	AISI 304, AISI 316
11	Flat Washer	Carbon Steel Zinc Plated	AISI 304, AISI 316
12	Nut	Carbon Steel Zinc Plated	AISI 304, AISI 316
13	Flat Washer	Carbon Steel Zinc Plated	AISI 304, AISI 316
14	Ring Wiper	EPDM	NBR
15	O-Ring	NBR	EPDM
16	Axis Guide	Brass Hpb59-1	
17	Washer	Brass Hpb59-1	
18	O-Ring	NBR	EPDM
19	Nut	Carbon Steel Zinc Plated	AISI 304, AISI 316
20	Wedge Nut	Brass Hpb59-1	Bronze ZQSn5-5-5

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.
Size 4"-5" with 1pc of 1/2" bronze NPT tapping plug, size 6"-12 with 1pc of 3/4" bronze NPT tapping plug.

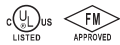
DN		Dimensions(mm)					
Inch	mm	L	H	D	D1	C	n-ΦL
4"	100	229	395	229	190.5	19.1	8-Φ19.1
5"	125	254	432	254	215.9	19.1	8-Φ22.2
6"	150	267	475	279	241.3	19.1	8-Φ22.2
8"	200	292	585	343	298.5	22.2	8-Φ22.2
10"	250	330	656	406	362	23.8	12-Φ25.4
12"	300	356	751	483	431.8	25.4	12-Φ25.4

For Fire Sprinkler System

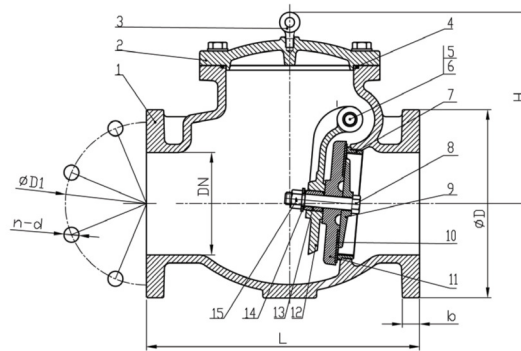
Flanged Resilient Swing Check Valve (H44X2), UL/FM Approved



H44X2



- Connection Ends: Flange to ASME B16.1 CL 125
- Working Pressure: 300PSI
200PSI and 250PSI available upon request
- Temperature Range: 0°C- 80°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536, 65-45-12	
2	Bonnet	ASTM A536, 65-45-12	
3	Eye Bolt	Carbon Steel Zinc Plated	
4	O-Ring	NBR	EPDM
5	Hinge Pin	AISI 304	
6	Hinge Bushing	Brass ASTM B16 C36000/Hpb63-3	
7	Seat Ring	Bronze ASTM B62 C83600/ZQSn5-5-5(Pressed Fit)	AISI 304, AISI 316 Pressed Fit or Threaded
8	Disc Seat Bolt	AISI 304	
9	Retainer Washer	Bronze ASTM B62 C83600/ZQSn5-5-5	
10	Disc Sealing Ring	EPDM	AISI 304, AISI 316, Bronze ASTM B62
11	Disc	ASTM A536, 65-45-12	
12	Clapper Arm	ASTM A536, 65-45-12	
13	Stud Bushing	Brass ASTM B16 C36000/Hpb63-3	
14	O-Ring	NBR	EPDM
15	Nut	AISI 304	AISI 316

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		Dimensions(mm)					
Inch	mm	L	D	D1	b	n-Φd	H
2"	50	203	152	120.5	16	4-Φ19.1	133
2.5"	65	254	178	139.5	17.5	4-Φ19.1	150
3"	80	278	191	152.5	19	4-Φ19.1	243
4"	100	330	229	190.5	24	8-Φ19.1	284
6"	150	406	279	241.5	25.5	8-Φ22.2	290
8"	200	495	343	298.5	28.5	8-Φ22.2	330
10"	250	622	406	362	30.5	12-Φ25.4	350
12"	300	660	483	432	32	12-Φ25.4	376

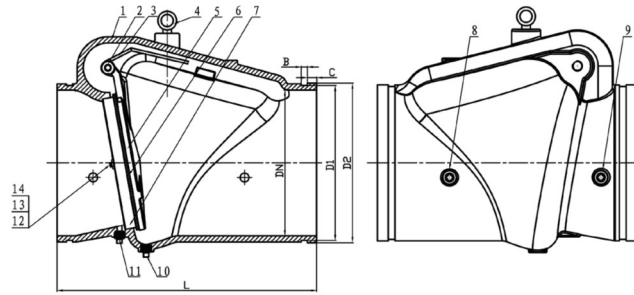
Grooved Resilient
Swing Check Valve (H84X),
UL Listed



H84X



- Connection Ends: Groove to AWWA C606
- Working Pressure: 300PSI
200PSI and 250PSI available upon request
- Temperature Range: 0°C- 80°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550 or painting upon request



MATERIAL SPECIFICATION

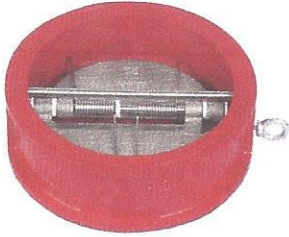
Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536, 65-45-12	
2	Hinge Pin	AISI 420	
3	Spring	AISI 304	AISI 316
4	Eye Bolt	Carbon Steel Zinc Plated	
5	Disc	DN50-100 AISI 304 DN150-300 ASTM A536, 65-45-12	AISI 304
6	Disc Sealing Ring	EPDM	
7	Seat Ring	ASTM B62 C83600 (Pressed Fit)	AISI 304, AISI 316 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	AISI 304	AISI 316
13	Washer	AISI 304	AISI 316
14	Nut	AISI 304	AISI 316

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		Dimensions(mm)				
Inch	mm	L	D1	D2	B	C
2"	50	171	57.15	60.3	7.93	15.88
2.5"	65	184	69.09	73	7.93	15.88
3"	80	197	84.94	88.9	7.93	15.88
4"	100	210	110.08	114.3	9.53	15.88
5"	125	248	137.03	141.3	9.53	15.88
6"	150	324	163.96	168.3	9.53	15.88
8"	200	371	214.4	219.1	11.13	19.05
10"	250	457	268.28	273	12.7	19.05
12"	300	535	318.29	323.9	12.7	19.05

Double Door Wafer Check Valve (DH77X), UL Listed

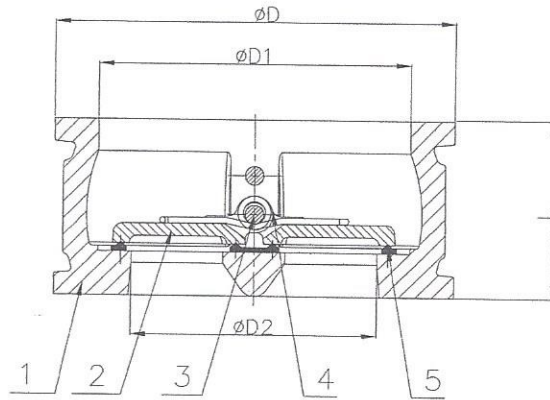
OC2700.7CL



DH77X



- Connection Ends: ASME B16.1 CL 125, ASME B16.5 CL 150
- Working Pressure: 300PSI
200PSI and 250PSI available upon request
- Temperature Range: 0°C- 100°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550



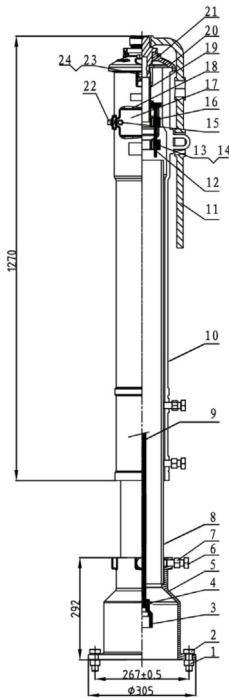
MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536, 65-45-12	
2	Disc	AISI 316	ASTM A536, 65-45-12, SS316, AL-Bronze UNC 95400
3	Stem	AISI 420	AISI 304, AISI 316, AISI 416
4	Spring	AISI 304	AISI 316
5	Rubber Seat	EPDM	NBR

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		Dimensions(mm)			
Inch	mm	L	D	D1	D2
2"	50	54	106	68	46
2.5"	65	60	127	78	60
3"	80	57	134	102	70
4"	100	67	162	117	84
5"	125	83	194	145	115
6"	150	95	218	170	134
8"	200	127	277	226	184
10"	250	140	336	265	220
12"	300	181	406	310	260
14"	350	184	447	360	302
16"	400	191	505	410	350

Vertical Indicator Post (IP), UL Listed



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification
1	Hex Nut	Carbon Steel Zinc Plated
2	Hex Bolt	Carbon Steel Zinc Plated
3	Socket	ASTM A536, 65-45-12
4	Cotter Pin	AISI 304
5	Base Flange	Cast Iron ASTM A126 Class B
6	Hex Bolt	Carbon Steel Zinc Plated
7	Hex Nut	Carbon Steel Zinc Plated
8	Standpipe	Carbon Steel ASTM A53
9	Stem 1" Square	Carbon Steel AISI 1045
10	Body	Cast Iron ASTM A126 Class B
11	Locking Wrench	ASTM A536, 65-45-12
12	Target Carrier Nut	AISI 304
13	Hex Bolt	Carbon Steel Zinc Plated
14	Hex Nut	Carbon Steel Zinc Plated
15	Hex Bolt	Carbon Steel Zinc Plated
16	Target	Cast Aluminum
17	Window Glass	Plexiglass
18	Gasket	PTFE
19	Operating Nut	AISI 304
20	Top Section	Cast Iron ASTM A126 Class B
21	Snap Ring	AISI 1066
22	Plug	Malleable Iron
23	Square Nut	Carbon Steel Zinc Plated
24	Hex Bolt	Carbon Steel Zinc Plated

Field Adjustment:

- 1.Remove the Top Section from the top of the Indicator Post assembly;
- 2.Cut the required stem length and adjust the Standpipe to match up to the ground line;
- 3.Set the "OPEN" and "SHUT" targets for the appropriate valve size;
- 4.Reattach the Top Section to the top of the Indicator Post assembly.

• Statement:

Vertical indicator post provides a means to operate a buried or otherwise inaccessible valve and able to indicate the open or shut position of the valve.

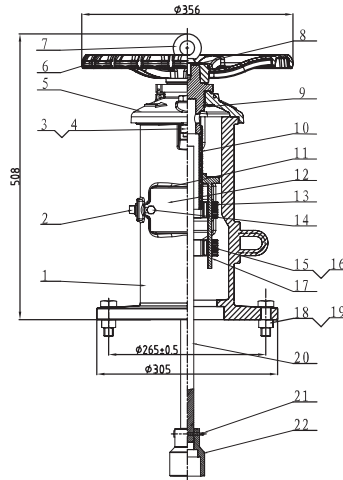
• Coating:

Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550

Wall Indicator Post (WP),
UL Listed



- Statement:
Wall indicator post provides a means to operate a valve installed behind a wall and able to indicate the open or shut position of the valve.
- Coating:
Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550



MATERIAL SPECIFICATION

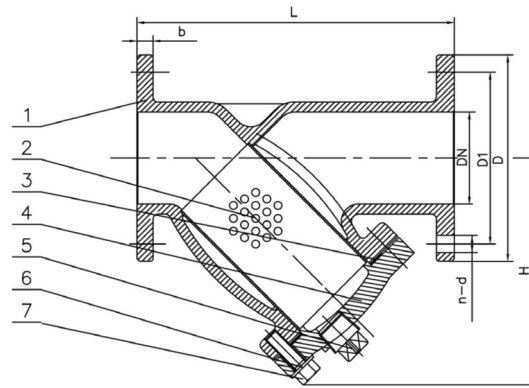
Part No.	Part	Standard Specification
1	Body	Cast Iron ASTM A126 Class B
2	Plug	Malleable Iron
3	Square Nut	Carbon Steel Zinc Plated
4	Hex Bolt	Carbon Steel Zinc Plated
5	Cover	Cast Iron ASTM A126 Class B
6	Hand wheel	ASTM A536, 65-45-12
7	Eye Bolt	Carbon Steel Zinc Plated
8	Gasket	Carbon Steel Zinc Plated
9	Snap Ring	AISI 1066
10	Operating NUT	AISI 304
11	Gasket	PTFE
12	Window Glass	Plexiglass
13	Target	Cast Aluminum
14	Hex Bolt	Carbon Steel Zinc Plated
15	Hex Bolt	Carbon Steel Zinc Plated
16	Hex Nut	Carbon Steel Zinc Plated
17	Target Carrier Nut	AISI 304
18	Hex Nut	Carbon Steel Zinc Plated
19	Hex Bolt	Carbon Steel Zinc Plated
20	Stem 1" Square	Carbon Steel AISI 1045
21	Cotter Pin	AISI 304
22	Socket	ASTM A536, 65-45-12

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list;

Flanged Y-Type Strainer (V4), UL Listed



- Connection Ends: Flange to ASME B16.1 CL 125
- Working Pressure: 300PSI
200PSI and 250PSI available upon request
- Temperature Range: 0°C- 80°C rubber gasket,
-10°C- 350°C graphite gasket
- Coating: Fusion Bonded Epoxy Coating in accordance with
ANSI/AWWA C550



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536 65-45-12	
2	Screen	AISI 304 (Perforated)	AISI 304, AISI 316 (Perforated, Knitted, Double Screen)
3	Gasket	EPDM	Graphite + Acanthopore Plate
4	Bonnet	ASTM A536 65-45-12	
5	Plug	Malleable Iron Galvanized	Bronze ASTM B584
6	Bolt	Carbon Steel Zinc Plated	AISI 304, AISI 316
7	Flat Washer	Carbon Steel Zinc Plated	AISI 304, AISI 316

STANDARD SCREEN

DN		Sieve No.	Hole Dia.	Free Flow Area(%)
Inch	mm		mm	%
2"-2.5"	50-65	25	4	48
3"-4"	80-100	19	5	59
5"	125	14	6	63
6"-12"	150-300	13	6.3	64

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		Dimensions(mm)					
Inch	mm	L	D	D1	b	n-φd	H
2"	50	200	152	120.5	16	4-φ19.1	155
2.5"	65	254	178	139.5	17.5	4-φ19.1	165
3"	80	257	191	152.5	19	4-φ19.1	180
4"	100	308	229	190.5	24	8-φ19.1	229
5"	125	397	254	216	24	8-φ22.2	285
6"	150	470	279	241.5	25.5	8-φ22.2	311
8"	200	549	343	298.5	28.5	8-φ22.2	394
10"	250	654	406	362	30.5	12-φ25.4	487
12"	300	759	483	432	32	12-φ25.4	547

For Fire Sprinkler System

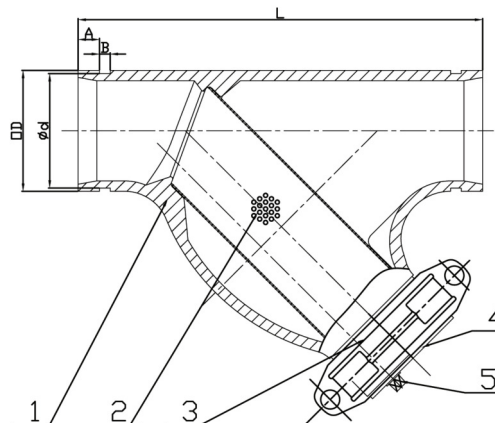
Grooved Y-Type Strainer (V8), UL Listed



V8



- Connection Ends: Groove to AWWA C606
- Working Pressure: 300PSI
200PSI and 250PSI available upon request
- Temperature Range: 0°C- 80°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550 or painting upon request



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536, 65-45-12	
2	Screen	AISI 304	AISI 316
3	Rigid Coupling	ASTM A536, 65-45-12	
4	Cap	ASTM A536, 65-45-12	
5	Plug	Maleable Iron Galvanized	Bronze ASTM B584

STANDARD SCREEN

DN		Sieve No.	Hole Dia.	Free Flow Area(%)
Inch	mm		mm	%
2"-2.5"	50-65	25	4	48
3"-4"	80-100	18	5	53
5"	125	13	6	58
6"-12"	150-300	12	6.3	56

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		Dimensions(mm)				
Inch	mm	L	OD	d	A	B
2"	50	247.5	60.3	57.15	15.88	7.92
2.5"	65	273	73	69.09	15.88	7.92
3"	80	298.5	88.9	84.94	15.88	7.92
4"	100	362	114.3	110.08	15.88	9.52
5"	125	419	141.3	137.03	15.88	9.52
6"	150	470	168.3	163.96	15.88	9.52
8"	200	609.5	219.1	214.4	19.05	11.13
10"	250	686	273	268.28	19.05	12.7
12"	300	762	323.9	318.29	19.05	12.7

For Fire Sprinkler System