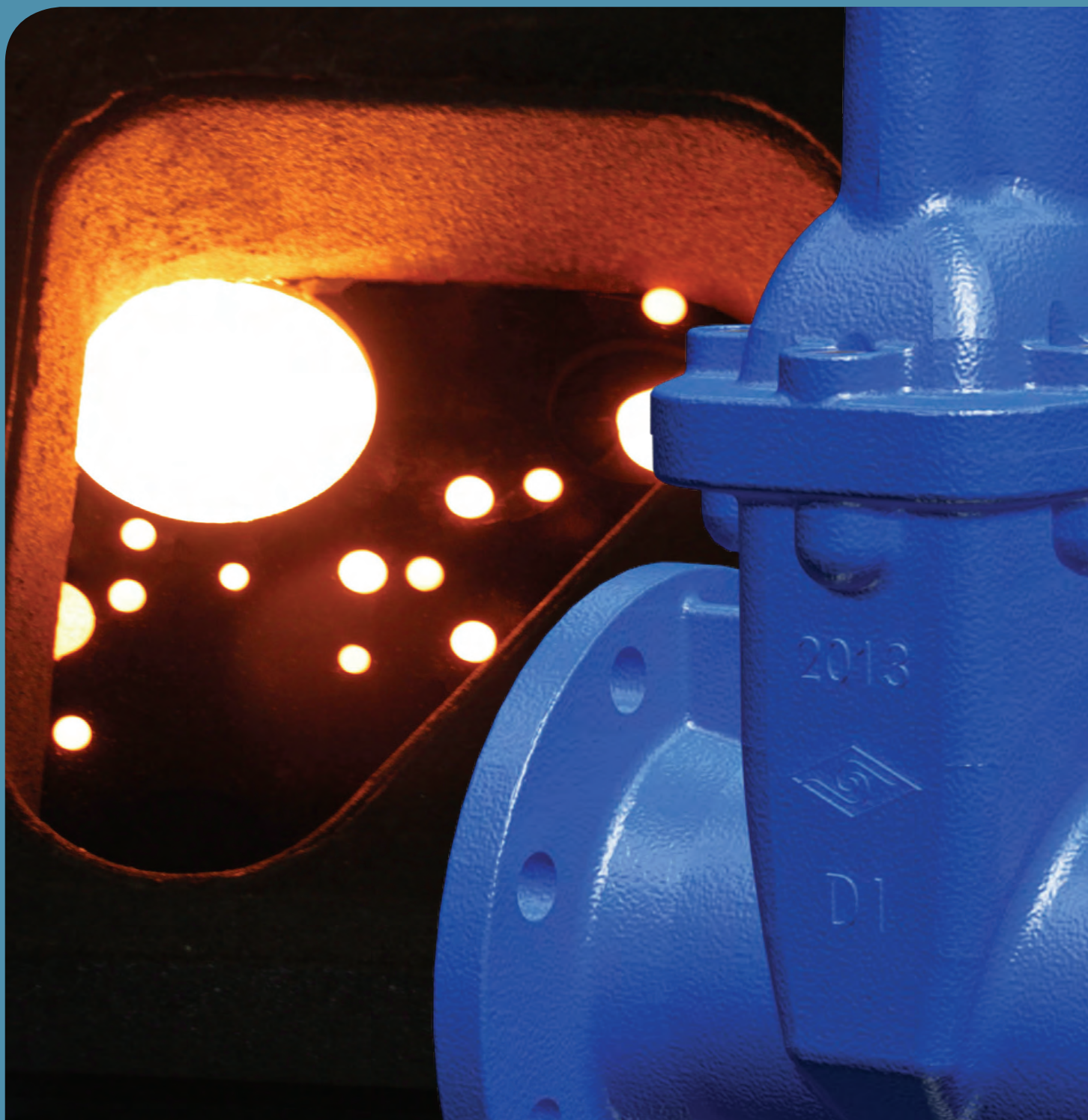


Valves

BS Standard



JINAN MEIDE CASTING CO., LTD.



※ Resilient Wedge Gate Valve



XZ81X
Grooved Resilient OS&Y
Gate Valve
Page 11



XZ51X
Flanged x Grooved Resilient
OS&Y Gate Valve
Page 12



Z85X
Grooved Resilient NRS
Gate Valve
Page 13



Z55X
Flanged x Grooved Resilient
NRS Gate Valve
Page 14

※ Resilient Centerline Butterfly Valve



XD381X
Grooved Butterfly Valve
with Tamper Switch
Page 15



D81X4
Grooved Butterfly Valve
Page 16

※ Swing Check Valve



H84X
Grooved Resilient Swing
Check Valve
Page 17



DH87X
Double Door Grooved Check Valve
Page 18

※ Y-Type Strainer



V8
Grooved Y-Type Strainer
Page 19

※ Water Flow Indicator



ZSJZ
Water Flow Indicator
Page 20

※ Grooved Wet Alarm Check Valve

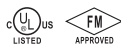


ZSFZ8X
Grooved Wet Alarm Check Valve
Page 21

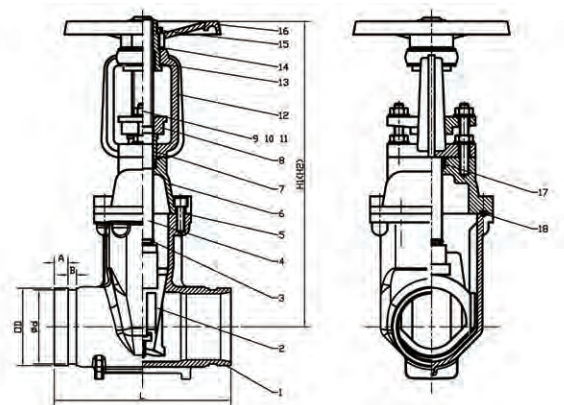
Grooved Resilient OS&Y Gate Valve (XZ81X), PN10/16, UL/FM Approved



XZ81X



- Connection Ends: Groove to ISO 6182
- Working Pressure: PN10/16
- Temperature Range: 0°C - 100°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	EN-GJS-450-10	
2	Resilient Wedge Disc	EN-GJS-450-10+EPDM	
3	O-Ring	NBR	EPDM
4	Stem	Stainless Steel	SS304, SS316, SS420, SS431
5	Nut	Carbon Steel Zinc Plated	SS304, SS316
6	Bonnet	EN-GJS-450-10	
7	Stem Bushing	Brass Hpb59-1	
8	Gland	EN-GJS-450-10	
9	Flat Washer	Carbon Steel Zinc Plated	SS304, SS316
10	Stud	Carbon Steel Zinc Plated	SS304, SS316
11	Nut	Carbon Steel Zinc Plated	SS304, SS316
12	Yoke	EN-GJS-450-10	
13	Stem Nut	Brass Hpb59-1	Bronze ZQSn5-5-5
14	Washer	Brass Hpb59-1	
15	Locknut	Carbon Steel Zinc Plated	
16	Handwheel	EN-GJS-450-10	Pressed Steel
17	Stem Packing	EPDM	NBR
18	Bonnet Gasket	EPDM	NBR

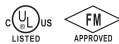
Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		Dimensions(mm)							
Inch	mm	L	H1(Close)	H2(Open)	OD	d	A	B	
2"	50	178	323	373	60.3	57.15	15.88	7.92	
2.5"	65	190	343	408	73	69.09	15.88	7.92	
2.5"	65	190	343	408	76.1	72.26	15.88	7.92	
3"	80	203	370	450	88.9	84.94	15.88	7.92	
4"	100	229	442	542	114.3	110.08	15.88	9.52	
5"	125	254	541	665	139.7	135.48	15.88	9.52	
5"	125	254	541	665	141.3	137.03	15.88	9.52	
6"	150	267	608	758	159.0	154.50	15.88	9.52	
6"	150	267	608	758	165.1	160.90	15.88	9.52	
6"	150	267	608	758	168.3	163.96	15.88	9.52	
8"	200	292	720	920	219.1	214.40	19.05	11.13	
10"	250	330	939	1193	273.0	268.28	19.05	12.70	
12"	300	356	1065	1370	323.9	318.29	19.05	12.70	

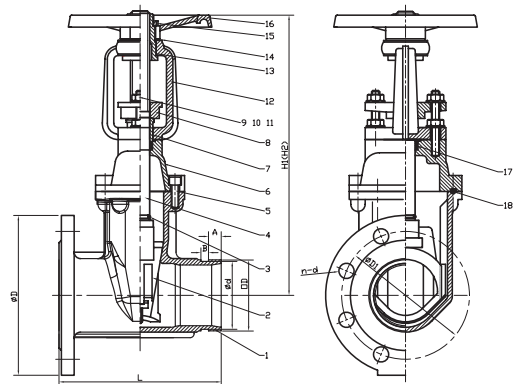
Flanged x Grooved Resilient OS&Y Gate Valve (XZ51X), PN10/16, UL/FM Approved



XZ51X



- Connection Ends: Flange to EN 1092-2:1997,
Groove to ISO 6182
- Working Pressure: PN10/16
- 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	EN-GJS-450-10	
2	Resilient Wedge Disc	EN-GJS-450-10+EPDM	
3	O-Ring	NBR	EPDM
4	Stem	Stainless Steel	SS304, SS316, SS420, SS431
5	Bolt	Carbon Steel Zinc Plated	SS304, SS316
6	Bonnet	EN-GJS-450-10	
7	Stem Bushing	Brass HPb59-1	
8	Gland	EN-GJS-450-10	
9	Flat Washer	Carbon Steel Zinc Plated	SS304, SS316
10	Stud	Carbon Steel Zinc Plated	SS304, SS316
11	Nut	Carbon Steel Zinc Plated	SS304, SS316
12	Yoke	EN-GJS-450-10	
13	Nut	Brass HPb59-1	
14	Washer	Brass HPb59-1	
15	Locknut	Carbon Steel Zinc Plated	
16	Handwheel	EN-GJS-450-10	Pressed Steel
17	Stem Packing	EPDM	NBR
18	Bonnet Gasket	EPDM	NBR

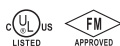
Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		Dimensions(mm)									
Inch	mm	L	H1(Close)	H2(Open)	D	D1	n-d	OD	d	A	B
2"	50	178	323	373	165	125	4-Φ19	60.3	57.15	15.88	7.92
2.5"	65	190	343	408	185	145	4-Φ19	76.1	72.26	15.88	7.92
3"	80	203	370	450	200	160	8-Φ19	88.9	84.94	15.88	7.92
4"	100	229	442	542	220	180	8-Φ19	114.3	110.08	15.88	9.52
5"	125	254	541	665	250	210	8-Φ19	139.7	135.48	15.88	9.52
6"	150	267	608	758	285	240	8-Φ23	165.1	160.90	15.88	9.52
6"	150	267	608	758	285	240	8-Φ23	168.3	163.96	15.88	9.52
8"	200	292	720	920	340	295	12-Φ23	219.1	214.40	19.05	11.13
10"	250	330	939	1193	405	355	12-Φ28	273.0	268.28	19.05	12.70
12"	300	356	1065	1370	460	410	12-Φ28	323.9	318.29	19.05	12.70

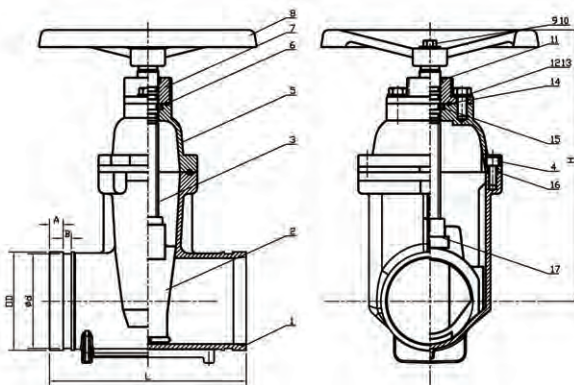
Grooved Resilient NRS Gate Valve (Z85X), PN10/16, UL/FM Approved



Z85X



- Connection Ends: Groove to ISO 6182
- Working Pressure: PN10/16
- Temperature Range: 0°C- 100°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	EN-GJS-450-10	
2	Resilient Wedge Disc	EN-GJS-450-10+EPDM	
3	Stem	Stainless Steel	SS304, SS316, SS420, SS431
4	Nut	Carbon Steel Zinc Plated	SS304, SS316
5	Bonnet	EN-GJS-450-10	
6	O-Ring	NBR	EPDM
7	Gland	EN-GJS-450-10	
8	Handwheel	EN-GJS-450-10	Pressed Steel
9	Bolt	Carbon Steel Zinc Plated	SS304, SS316
10	Flat Washer	Carbon Steel Zinc Plated	SS304, SS316
11	Ring Wiper	EPDM	NBR
12	Bolt	Carbon Steel Zinc Plated	SS304, SS316
13	Flat Washer	Carbon Steel Zinc Plated	SS304, SS316
14	O-Ring	NBR	EMDM
15	Washer	Brass HPb59-1	
16	Bonnet Gasket	EPDM	NBR
17	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	OD	d	A	B
2"	50	178	218	60.3	57.15	15.88	7.92
2.5"	65	190	230	73	69.09	15.88	7.92
2.5"	65	190	230	76.1	72.26	15.88	7.92
3"	80	203	281	88.9	84.94	15.88	7.92
4"	100	229	316	114.3	110.08	15.88	9.52
5"	125	254	393	139.7	135.48	15.88	9.52
5"	125	254	393	141.3	137.03	15.88	9.52
6"	150	267	420	159.0	154.50	15.88	9.52
6"	150	267	420	165.1	160.90	15.88	9.52
6"	150	267	420	168.3	163.96	15.88	9.52
8"	200	292	490	219.1	214.40	19.05	11.13
10"	250	330	626	273.0	268.28	19.05	12.70
12"	300	356	722	323.9	318.29	19.05	12.70

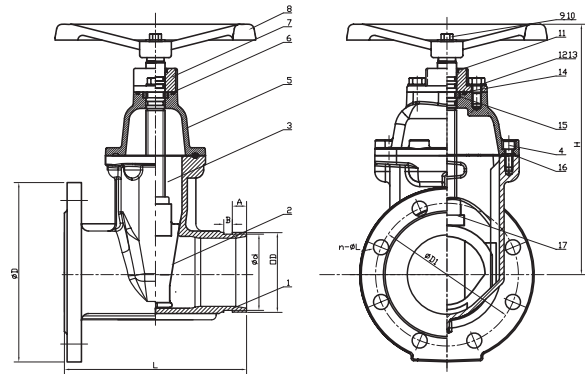
Flanged x Grooved Resilient NRS Gate Valve (Z55X), PN10/16, UL/FM Approved



Z55X



- Connection Ends: Flange to EN 1092-2:1997,
Groove to ISO 6182
- Working Pressure: PN10/16
- 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	EN-GJS-450-10	
2	Resilient Wedge Disc	EN-GJS-450-10+EPDM	
3	Stem	Stainless Steel	SS304, SS316, SS420, SS431
4	Bolt	Carbon Steel Zinc Plated	SS304, SS316
5	Bonnet	EN-GJS-450-10	
6	O-Ring	NBR	EPDM
7	Gland	EN-GJS-450-10	
8	Handwheel	EN-GJS-450-10	Pressed Steel
9	Bolt	Carbon Steel Zinc Plated	SS304, SS316
10	Flat Washer	Carbon Steel Zinc Plated	SS304, SS316
11	Ring Wiper	EPDM	NBR
12	Bolt	Carbon Steel Zinc Plated	SS304, SS316
13	Flat Washer	Carbon Steel Zinc Plated	SS304, SS316
14	O-Ring	NBR	EPDM
15	Washer	Brass HPb59-1	
16	Bonnet Gasket	EPDM	NBR
17	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	n-d	OD	d	A	B
2"	50	178	218	165	125	4-Φ19	60.3	57.15	15.88	7.92
2.5"	65	190	230	185	145	4-Φ19	76.1	72.26	15.88	7.92
3"	80	203	281	200	160	8-Φ19	88.9	84.94	15.88	7.92
4"	100	229	316	220	180	8-Φ19	114.3	110.08	15.88	9.52
5"	125	254	393	250	210	8-Φ19	139.7	135.48	15.88	9.52
6"	150	267	420	285	240	8-Φ23	165.1	160.90	15.88	9.52
6"	150	267	420	285	240	8-Φ23	168.3	163.96	15.88	9.52
8"	200	292	490	340	295	12-Φ23	219.1	214.40	19.05	11.13
10"	250	330	626	405	355	12-Φ28	273.0	268.28	19.05	12.70
12"	300	356	722	460	410	12-Φ28	323.9	318.29	19.05	12.70

Grooved Butterfly Valve with Tamper Switch (XD381X), PN10/16, UL Listed



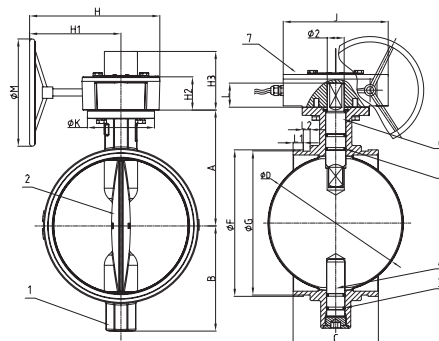
XD381X



- Design Standard: BS EN 593
- Connection Ends: Groove to ISO 6182
- Top Flange standard: ISO 5211
Stem drive by keys, parallel or diagonal square or flat head
- Working Pressure: PN10/16
- Temperature Range: 0°C- 100°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550 or painting upon request



XD381X39

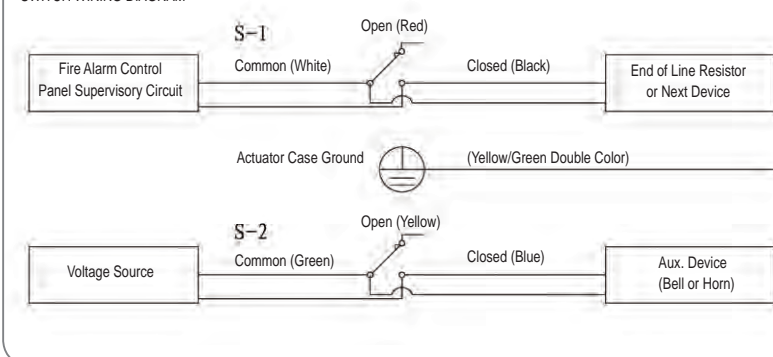


MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	EN-GJS-450-10	
2	Disc	EN-GJS-450-10+EPDM	EN-GJS-450-10+NBR
3	O-Ring	NBR	EPDM
4	Stem	Stainless Steel	SS304, SS316, SS420, SS431
5	O-Ring	NBR	EPDM
6	Stem	Stainless Steel	SS304, SS316, SS420, SS431
7	Signal Gear Box	EN-GJS-450-10	

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

SWITCH WIRING DIAGRAM



DN		Dimensions(mm)																	
Inch	mm	A	B	C	ΦD	ΦF	ΦG	L1	L2	L	ΦK	H	H1	H2	H3	J	ΦM	Φ2	ISO 5211
2"	50	89	65	81	50.3	60.3	57.15	15.88	7.93	32	90	208	151	65	108	147	150	14	F07
2.5"	65	102	71	97	60.8	73.0	69.09	15.88	7.93	32	90	208	151	65	108	147	150	14	F07
2.5"	65	102	71	97	60.8	76.1	72.26	15.88	7.93	32	90	208	151	65	108	147	150	14	F07
3"	80	109	81	97	76	88.9	84.94	15.88	7.93	32	90	208	151	65	108	147	150	14	F07
4"	100	128	95	116	98.5	114.3	110.08	15.88	9.53	32	90	208	151	65	108	147	150	16	F07
5"	125	141	111	148	122.6	139.7	135.48	15.88	9.53	32	90	208	151	65	108	147	150	16	F07
5"	125	141	111	148	122.6	141.3	137.03	15.88	9.53	32	90	208	151	65	108	147	150	16	F07
6"	150	153	133	148	148	165.1	160.9	15.88	9.53	32	90	208	151	65	108	147	150	20	F07
6"	150	153	133	148	148	168.3	163.96	15.88	9.53	32	90	208	151	65	108	147	150	20	F07
8"	200	184	164	133	199	219.1	214.4	19.05	11.10	45	125	298	223	77	121	184	200	26	F10
10"	250	216	196	159	252	273.0	268.28	19.05	12.70	45	125	298	223	77	121	184	200	26	F10
12"	300	254	226	165	300.5	323.9	318.29	19.05	12.70	45	125	299	224	77	121	184	250	28	F10

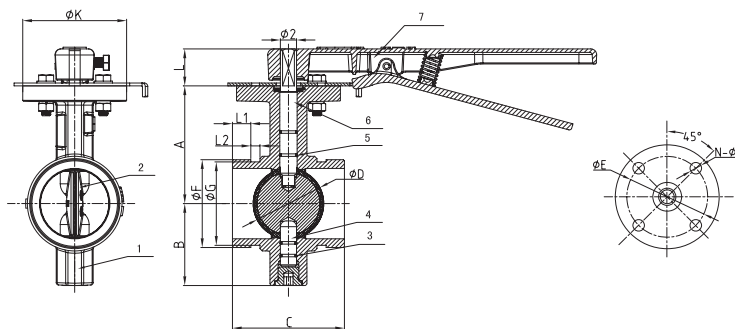
Note: Valve must not be installed with disc in full open position. Disc must be partly closed so that no part is protruding beyond end of valve body.

Grooved Butterfly Valve (D81X4, D381X4), PN10/16



D81X4

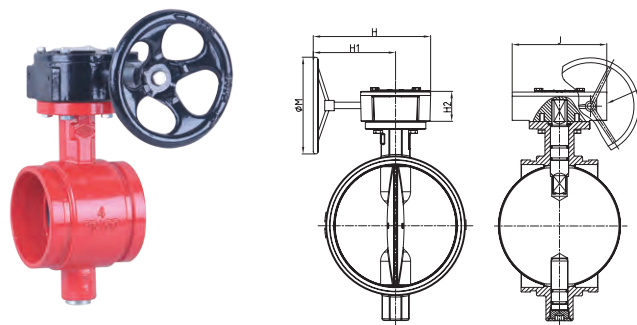
- Design Standard: BS EN 593
- Connection Ends: Groove to ISO 6182
- Top Flange standard: ISO 5211
Stem drive by keys, parallel or diagonal square or flat head
- Working Pressure: PN10/16
- Temperature Range: 0°C- 100°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550 or painting upon request



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	EN-GJS-450-10	
2	Disc	EN-GJS-450-10+EPDM	EN-GJS-450-10+NBR
3	O-Ring	NBR	EPDM
4	Stem	Stainless Steel	SS304, SS316, SS420, SS431
5	O-Ring	NBR	EPDM
6	Stem	Stainless Steel	SS304, SS316, SS420, SS431
7	Lever	EN-GJS-450-10	Aluminum
8	Gear Box	EN-GJS-450-10	

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



D381X4

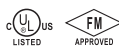
DN		Dimensions(mm)																		
Inch	mm	A	B	C	ΦD	ΦF	ΦG	L1	L2	L	ΦK	H	H1	H2	J	ΦM	Φ2	ISO 5211	ΦE	N-Φ1
2"	50	89	65	81	50.3	60.3	57.15	15.88	7.93	32	90	206	158	52	114	150	14	F07	70	4-Φ10
2.5"	65	102	71	97	60.8	73.0	69.09	15.88	7.93	32	90	206	158	52	114	150	14	F07	70	4-Φ10
2.5"	65	102	71	97	60.8	76.1	72.26	15.88	7.93	32	90	206	158	52	114	150	14	F07	70	4-Φ10
3"	80	109	81	97	76	88.9	84.94	15.88	7.93	32	90	206	158	52	114	150	14	F07	70	4-Φ10
4"	100	128	95	116	98.5	114.3	110.08	15.88	9.53	32	90	206	158	52	114	150	16	F07	70	4-Φ10
5"	125	141	111	148	122.6	139.7	135.48	15.88	9.53	32	90	206	158	52	114	150	16	F07	70	4-Φ10
5"	125	141	111	148	122.6	141.3	137.03	15.88	9.53	32	90	206	158	52	114	150	16	F07	70	4-Φ10
6"	150	153	133	148	148	159.0	154.50	15.88	9.53	32	90	206	158	52	114	150	20	F07	70	4-Φ10
6"	150	153	133	148	148	165.1	160.9	15.88	9.53	32	90	206	158	52	114	150	20	F07	70	4-Φ10
6"	150	153	133	148	148	168.3	163.96	15.88	9.53	32	90	206	158	52	114	150	20	F07	70	4-Φ10
8"	200	184	164	133	199	219.1	214.4	19.05	11.10	45	125	310	239	69	167	300	26	F10	102	4-Φ12
10"	250	216	196	159	252	273.0	268.28	19.05	12.70	45	125	310	239	69	167	300	26	F10	102	4-Φ12
12"	300	254	226	165	300.5	323.9	318.29	19.05	12.70	45	125	307	229	73	190	300	28	F10	102	4-Φ12
14"	377	290	241	178	324	377	371.4	23.8	12.7	45	150	307	229	73	190	300	31.7	F12	125	4-Ø14

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.

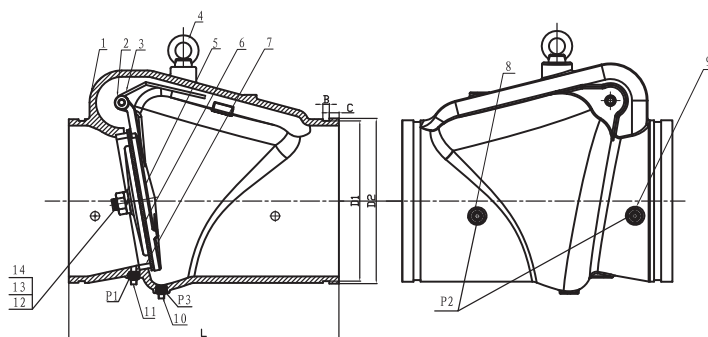
Grooved Resilient Swing Check Valve (H84X), PN10/16, UL/FM Approved



H84X



- Connection Ends: Groove to ISO 6182
- Working Pressure: PN10/16
- Temperature Range: 0°C- 100°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	EN-GJS-450-10	
2	Hinge Pin	SS420	
3	Spring	SS304	SS316
4	Eye Bolt	Carbon Steel Zinc Plated	
5	Disc	DN50-100 SS304 DN150-300 EN-GJS-450-10	SS304
6	Disc Sealing Ring	EPDM	NBR
7	Seat Ring	ASTM B62 C83600 (Pressed Fit)	SS304, SS316 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	SS304	SS316
13	Washer	SS304	SS316
14	Nut	SS304	SS316

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

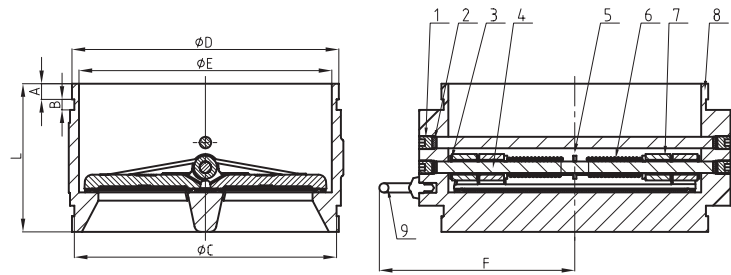
DN		Dimensions(mm)								
Inch	mm	L	D1	D2	B	C	P1	P3		P2
								Standard	Option	
2"	50	171	57.15	60.3	7.93	15.88	1/2	1/2	1	1/4
2.5"	65	184	69.09	73.0	7.93	15.88	1/2	1/2	1 1/4	1/4
2.5"	65	184	72.26	76.1	7.93	15.88	1/2	1/2	1 1/4	1/4
3"	80	197	84.94	88.9	7.93	15.88	1/2	1/2	1 1/4	1/4
4"	100	210	110.08	114.3	9.53	15.88	1/2	1/2	2	1/4
5"	125	248	135.48	139.7	9.53	15.88	1/2	1/2	2	1/4
5"	125	248	137.03	141.3	9.53	15.88	1/2	1/2	2	1/4
6"	150	324	160.90	165.1	9.53	15.88	1/2	1/2	2	1/4
6"	150	324	163.96	168.3	9.53	15.88	1/2	1/2	2	1/4
8"	200	371	214.40	219.1	11.13	19.05	1/2	1/2	2	1/4
10"	250	457	268.28	273.0	12.70	19.05	1/2	1/2	2	1/4
12"	300	535	318.29	323.9	12.70	19.05	1/2	1/2	2	1/4

Double Door Grooved Check Valve (DH87X), PN10/16



DH87X

- Connection Ends: Groove to ISO 6182
- Working Pressure: PN10/16
- 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	Countersunk Hex Head Screws	Carbon Steel Zinc Plated	
2	Seal Ring	EPDM	
3	Gasket	PTFE	
4	Shaft	SS420	SS304, SS316, SS431
5	Gasket	PTFE	
6	Spring	SS304	
7	Disc	SS304	SS316, QT450-10
8	Body	EN-GJS-450-10	
9	Eye Bolt	Carbon Steel Zinc Plated	

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	D	E	F	L
8"	219.1	19.1	11.1	214.4	219	200	165	160
10"	273.0	19.1	12.7	268.28	273	253	203	180
12"	323.9	19.1	12.7	318.29	324	307	228	180
14"	377.0	23.8	12.7	371.1	377	354	258	200

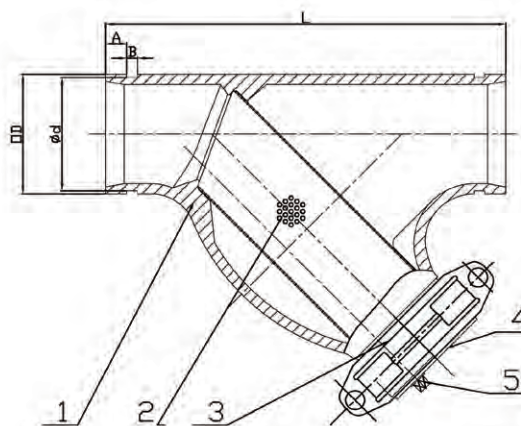
Grooved Y-Type Strainer (V8), PN10/16, UL Listed



V8



- Connection Ends: Groove to ISO 6182
- Working Pressure: PN10/16
- Temperature Range: 0°C- 100°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	EN-GJS-450-10	
2	Screen	SS304	SS316
3	Rigid Coupling	EN-GJS-450-10	
4	Cap	EN-GJS-450-10	
5	Plug	Malleable 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	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.

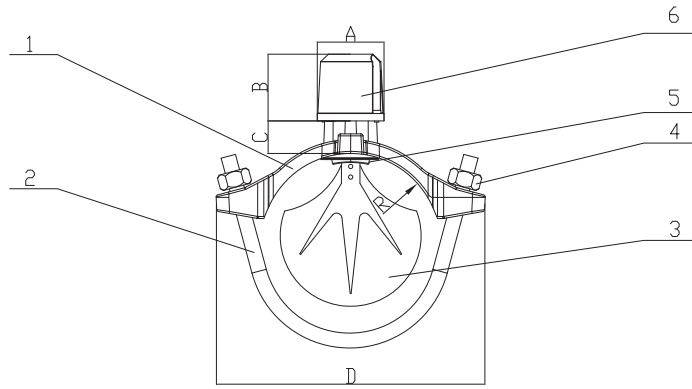
DN		Dimensions(mm)				
Inch	mm	L	OD	d	A	B
2"	50	247.5	60.3	57.15	15.88	7.92
2.5"	65	273	73	69.09	15.88	7.92
2.5"	65	273.0	76.1	72.26	15.88	7.92
3"	80	298.5	88.9	84.94	15.88	7.92
4"	100	362.0	114.3	110.08	15.88	9.52
5"	125	419.0	139.7	135.48	15.88	9.52
5"	125	419	141.3	137.03	15.88	9.52
6"	150	470.0	159.0	154.50	15.88	9.52
6"	150	470.0	165.1	160.90	15.88	9.52
6"	150	470.0	168.3	163.96	15.88	9.52
8"	200	609.5	219.1	214.40	19.05	11.13
10"	250	686.0	273.0	268.28	19.05	12.70
12"	300	762.0	323.9	318.29	19.05	12.70

Water Flow Indicator (ZSJZ), PN10/16



ZSJZ

- Connection Ends: ISO 6182
- Working Pressure: PN10/16
- Temperature Range: 0°C - 100°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550

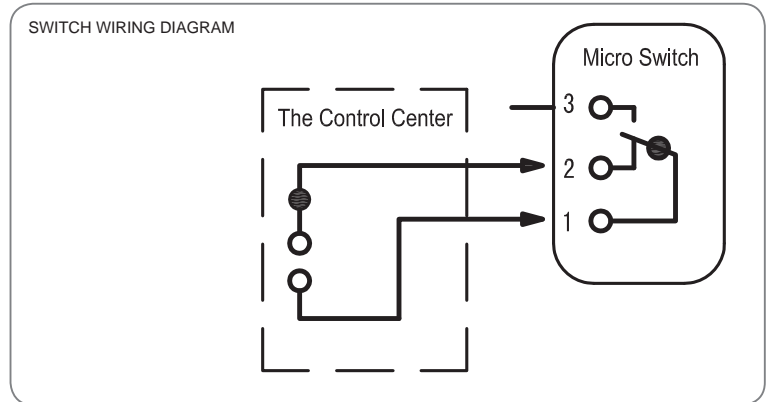


MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Body	EN-GJS-450-10	
2	Bolt	Carbon Steel Zinc Plated	SS304, SS316
3	Lodicule	Plastic	
4	Nut	Carbon Steel Zinc Plated	SS304, SS316
5	Gasket	EPDM	NBR

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

SWITCH WIRING DIAGRAM



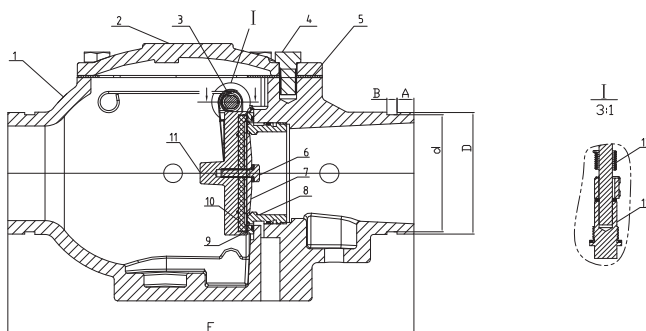
DN		Dimensions(mm)						Hole Dia.
Inch	mm	R	A	B	C	D		
2"	50	60.3	62	48	36	120	32	
2.5"	65	73	62	48	31	130	32	
2.5"	65	76.1	62	48	31	130	32	
3"	80	88.9	62	48	36.5	145	51	
4"	100	114.3	62	48	30.5	185	51	
5"	125	139.7	62	48	36.5	221.5	51	
5"	125	141.3	62	48	36.5	221.5	51	
6"	150	165.1	62	48	33	254	51	
6"	150	168.3	62	48	33	254	51	
8"	200	219.1	62	48	36.5	300	51	

Grooved Wet Alarm Check Valve (ZSFZ8X), PN10/16



ZSFZ8X

- Connection Ends: Groove to ISO 6182
- Working Pressure: PN10/16
- Temperature Range: 0°C- 100°C
- Coating: Painting or Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550

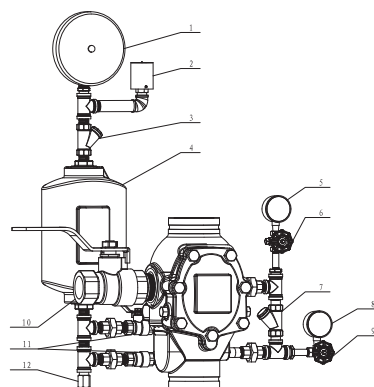


MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	EN-GJS-450-10	
2	Bonnet	EN-GJS-450-10	
3	Pin	SS304	SS316
4	Hex Bolt	Carbon Steel Zinc Plated	
5	Gasket	EPDM	NBR
6	Hex Bolt	SS304	SS316
7	Gland	Brass H62	
8	Seat	Bronze ZQSn5-5-5	
9	O-Ring	NBR	EPDM
10	Gasket	EPDM	
11	Disc	Brass H62	
12	Plug	SS304	SS316
13	Spring	SS321	

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

DN		Dimensions(mm)					
Inch	mm	OD	A	B	∅ d	∅ D	F
3"	80	88.9	15.88	7.93	84.94	88.9	320.3
4"	100	114.3	15.88	9.53	110.08	114.3	382
6"	150	165.1	15.88	9.53	160.9	165.1	406.4
6"	150	168.3	15.88	9.53	163.96	168.3	406.4
8"	200	219.1	19.05	11.1	214.4	219.1	446



External accessories			
Part No.	Part	Part No.	Part
1	Alarm	7	Check Valve
2	Pressure switch	8	Pressure gauge
3	Strainer	9	Ball valve
4	Decelerator	10	Ball valve
5	Pressure gauge	11	Ball valve
6	Ball valve	12	Drip valve

※ Resilient Wedge Gate Valve



XZ41X
Flanged Resilient OS&Y
Gate Valve
Page 23



Z45XC
Flanged Resilient NRS
Gate Valve
Page 24



Z45XC-2
Flanged Resilient NRS
Gate Valve with Post Flange
Page 25



IP
Vertical Indicator Post
Page 26



WP
Wall Indicator Post
Page 27

※ Resilient Centerline Butterfly Valve



XD371X
Wafer Butterfly Valve
with Tamper Switch
Page 28



XD371XL
Lugged Wafer Butterfly Valve
with Tamper Switch
Page 29



XD311X
Threaded Butterfly Valve
with Tamper Switch
Page 30

※ Swing Check Valve



H44X2
Flanged Resilient Swing Check Valve
Page 31

※ Y-Type Strainer



V4
Flanged Y-Type Strainer
Page 32

※ Landing Valve



SN
Landing Valve
Page 33

※ Flanged Wet Alarm Valve



ZSFZ4X
Flanged Wet Alarm Valve
Page 35

※ Electric Inspector's Test Connection



ZSPM-80-DX
Electric Inspector's Test Connection
Page 36

※ Manual Inspector's Test Connection

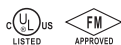


ZSPM-80-SA
Manual Inspector's Test Connection
Page 36

Flanged Resilient OS&Y Gate Valve, (XZ41X), PN10/16, UL/FM Approved



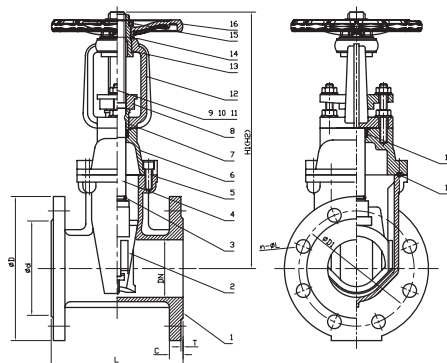
XZ41X



- Connection Ends: Flange to BS EN 1092-2:1997
- Working Pressure: PN10/16
- Temperature Range: 0°C- 100°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550



XZ41X-1



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	EN-GJS-450-10	
2	Resilient Wedge Disc	EN-GJS-450-10+EPDM	
3	O-Ring	NBR	EPDM
4	Stem	Stainless Steel	SS304, SS316, SS420, SS431
5	Bolt	Carbon Steel Zinc Plated	SS304, SS316
6	Bonnet	EN-GJS-450-10	
7	Stem Bushing	Brass Hpb59-1	
8	Gland	EN-GJS-450-10	
9	Flat Washer	Carbon Steel Zinc Plated	SS304, SS316
10	Stud	Carbon Steel Zinc Plated	SS304, SS316
11	Nut	Carbon Steel Zinc Plated	SS304, SS316
12	Yoke	EN-GJS-450-10	
13	Stem Nut	Brass Hpb59-1	
14	Washer	Brass Hpb59-1	
15	Locknut	Carbon Steel Zinc Plated (Type A) Not available (Type B)	
16	Handwheel	EN-GJS-450-10	Pressed Steel
17	Stem Packing	EPDM	NBR
18	Bonnet Gasket	EPDM	NBR

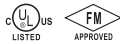
Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		PN	Dimensions(mm)										
Inch	mm		L	TypeA		TypeB		D	D1	d	C	T	n-φL
				H1 (Close)	H2 (Open)	H1 (Close)	H2 (Open)						
2"	50	10/16	178	323	373	348	400	165	125	99	19	3	4-Ø19
2.5"	65	10/16	190	343	408	373	440	185	145	118	19	3	4-Ø19
3"	80	10/16	203	370	450	408	490	200	160	132	19	3	8-Ø19
4"	100	10/16	229	442	542	471	573	220	180	156	19	3	8-Ø19
5"	125	10/16	254	541	665	541	665	250	210	184	19	3	8-Ø19
6"	150	10	267	608	758	593	743	285	240	211	19	3	8-Ø23
8"	200	10	292	720	920	774	975	340	295	266	20	3	8-Ø23
		16											12-Ø23
10"	250	10	330	940	1190	940	1190	405	350	319	22	3	12-Ø23
		16							355				12-Ø28
12"	300	10	356	1065	1370	1065	1370	460	400	370	24.5	4	12-Ø23
		16							410				12-Ø28

Flanged Resilient NRS Gate Valve (Z45XC), PN10/16, UL/FM Approved



Z45XC



- Connection Ends: Flange to BS EN 1092-2:1997
- Working Pressure: PN10/16
- Temperature Range: 0°C- 100°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550



Z45X



Z45X-1



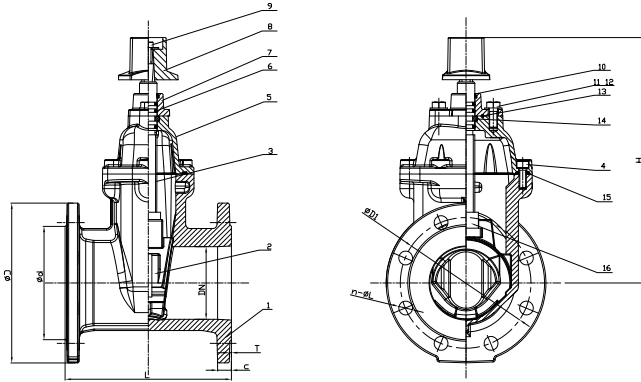
XZ45X-1



XZ45X



XZ45X-2



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	EN-GJS-450-10	
2	Resilient Wedge Disc	EN-GJS-450-10+EPDM	
3	Stem	Stainless Steel	SS304, SS316, SS420, SS431
4	Bolt	Carbon Steel Zinc Plated	SS304, SS316
5	Bonnet	EN-GJS-450-10	
6	O-Ring	NBR	
7	Gland	EN-GJS-450-10	
8	Stem Cap	EN-GJS-450-10	
9	Bolt	Carbon Steel Zinc Plated	SS304, SS316
10	Ring Wiper	EPDM	NBR
11	Bolt	Carbon Steel Zinc Plated	SS304, SS316
12	Flat Washer	Carbon Steel Zinc Plated	SS304, SS316
13	O-Ring	NBR	EPDM
14	Washer(Type A) Axis Guide (Type B)	Brass Hpb59-1	
15	Bonnet Gasket	EPDM	NBR
16	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.

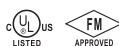
DN		PN	Dimensions(mm)								
Inch	mm		L	H		D	D1	d	C	T	n-d
				TypeA	TypeB						
2"	50	10/16	178	241	279	165	125	99	19	3	4-Ø19
2.5"	65	10/16	190	255	297	185	145	118	19	3	4-Ø19
3"	80	10/16	203	304	323	200	160	132	19	3	8-Ø19
4"	100	10/16	229	337	376	220	180	156	19	3	8-Ø19
5"	125	10/16	254	404	404	250	210	184	19	3	8-Ø19
6"	150	16	267	436	457	285	240	211	19	3	8-Ø23
8"	200	10	292	443	557	340	295	266	20	3	8-Ø23
		16									12-Ø23
10"	250	10	330	641	641	405	350	319	22	3	12-Ø23
		16					355				12-Ø28
12"	300	10	356	743	743	460	400	370	24.5	4	12-Ø23
		16					410				12-Ø28

For Fire Sprinkler System

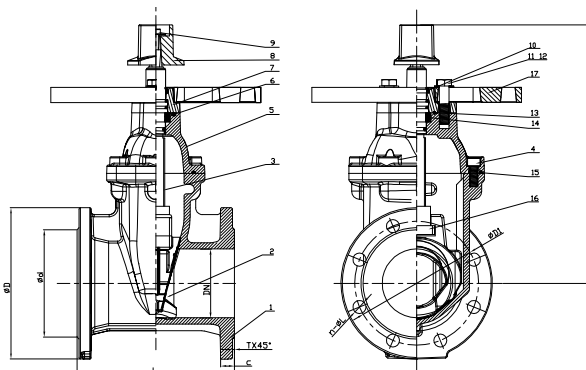
Flanged Resilient NRS Gate Valve, with Post Flange (Z45XC-2), PN10/16, UL/FM Approved



Z45XC-2



- Connection Ends: Flange to BS EN 1092-2:1997
- Working Pressure: PN10/16
- 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	EN-GJS-450-10	
2	Resilient Wedge Disc	EN-GJS-450-10+EPDM	
3	Stem	Stainless Steel	SS304, SS316, SS420, SS431
4	Bolt	Carbon Steel Zinc Plated	SS304, SS316
5	Bonnet	EN-GJS-450-10	
6	O-Ring	NBR	EPDM
7	Gland	EN-GJS-450-10	
8	Stem Cap	EN-GJS-450-10	
9	Bolt	Carbon Steel Zinc Plated	SS304, SS316
10	Ring Wiper	NBR	
11	Bolt	Carbon Steel Zinc Plated	SS304, SS316
12	Flat Washer	Carbon Steel Zinc Plated	SS304, SS316
13	O-Ring	NBR	EPDM
14	Thrust Washer	Brass HPb59-1 (Type A) Not Available (Type B)	
15	Bonnet Gasket	EPDM	NBR
16	Wedge Nut	Brass HPb59-1	Bronze ZQSn5-5-5
17	Post Flange	EN-GJS-450-10	

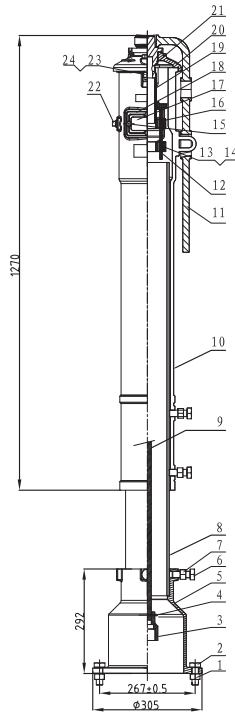
Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		PN	Dimensions(mm)								
Inch	mm		L	H		D	D1	d	C	T	n-d
				TypeA	TypeB						
4"	100	10/16	229	347	395	220	180	156	19	3	8-Φ19
5"	125	10/16	254	432	432	250	210	184	19	3	8-Φ19
6"	150	10/16	267	443	475	285	240	211	19	3	8-Φ23
8"	200	10	292	518	585	340	295	266	20	3	8-Φ23
		16									12-Φ23
10"	250	10	330	656	656	405	350	319	22	3	12-Φ23
		16					355				12-Φ28
12"	300	10	356	751	751	460	400	370	24.5	4	12-Φ23
		16					410				12-Φ28

Vertical Indicator Post (IP), UL/FM Approved



IP



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification
1	Hex Nut	Carbon Steel Zinc Plated
2	Hex Bolt	Carbon Steel Zinc Plated
3	Socket	EN-GJS-450-10
4	Cotter Pin	SS304
5	Base Flange	Cast Iron EN-GJL-200
6	Hex Bolt	Carbon Steel Zinc Plated
7	Hex Nut	Carbon Steel Zinc Plated
8	Standpipe	Carbon Steel
9	Stem 1" Square	Carbon Steel
10	Body	Cast Iron EN-GJL-200
11	Locking Wrench	EN-GJS-450-10
12	Target Carrier Nut	Cast Aluminum
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	EPDM
19	Operating Nut	SS304
20	Top Section	Cast Iron EN-GJL-200
21	Snap Ring	Spring Steel
22	Plug	Malleable Iron
23	Square Nut	Carbon Steel Zinc Plated
24	Hex Bolt	Carbon Steel Zinc Plated

Field Adjustment:

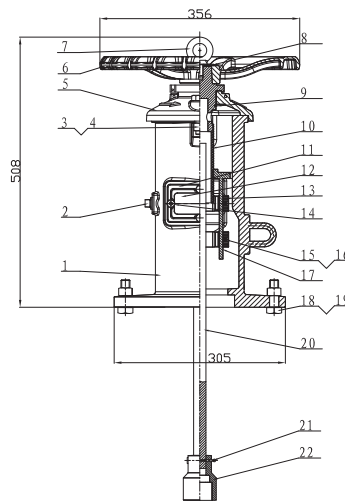
1. Remove the Top Section from the top of the Indicator Post assembly;
2. Cut the required stem length and adjust the Standpipe to match up to the ground line;
3. Set the "OPEN" and "SHUT" targets for the appropriate valve size;
4. Reattach the Top Section to the top of the Indicator Post assembly.

- **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/FM Approved



- **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 EN-GJL-200
2	Plug	Malleable Iron
3	Square Nut	Carbon Steel Zinc Plated
4	Hex Bolt	Carbon Steel Zinc Plated
5	Cover	Cast Iron EN-GJL-200
6	Hand Wheel	EN-GJS-450-10
7	Eye Bolt	Carbon Steel Zinc Plated
8	Gasket	Carbon Steel Zinc Plated
9	Snap Ring	Spring Steel
10	Operating Nut	SS304
11	Gasket	EPDM
12	Window Class	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	SS304
18	Hex Nut	Carbon Steel Zinc Plated
19	Hex Bolt	Carbon Steel Zinc Plated
20	Stem 1" Square	Carbon Steel
21	Cotter Pin	SS304
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;

Wafer Butterfly Valve with Tamper Switch (XD371X), PN10/16, UL Listed



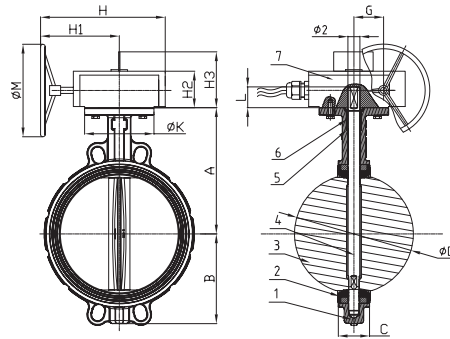
XD371X



- Design Standard: BS EN 593
- Connection Ends: BS EN 1092 PN10/PN16, AS 2129 TABLE E, JIS B2212 10K, BS 10 TABLE D/E
- Top Flange Standard: ISO 5211
Stem drive by keys, parallel or diagonal square or flat head
- Working Pressure: PN10/16
- Temperature Range: 0°C- 100°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550



XD371X39

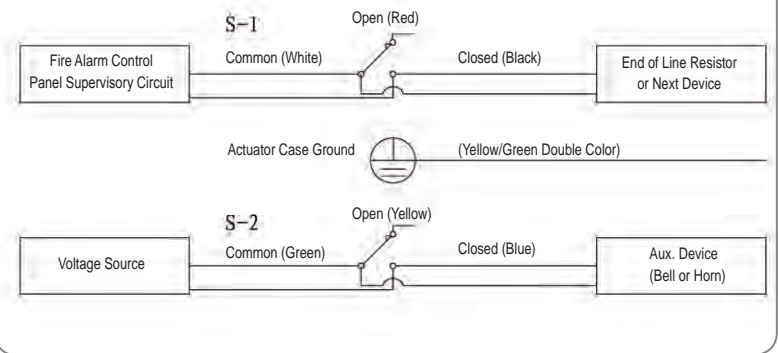


MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	EN-GJS-450-10	
2	Seat	EPDM & Backing	NBR/Fluororubber&Backing EPDM/NBR Vulcanized on Valve Body Soft Seat in EPDM/NBR
3	Disc	EN-GJS-450-10	SS304, SS316, AL-Bronze C95400
4	Stem	Stainless Steel, One-Piece Stem Design	SS304, SS316, SS420, SS431
5	O-Ring	NBR	EPDM
6	Bushing	PTFE	Nylon 1010
7	Signal Gear Box	EN-GJS-450-10	

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

SWITCH WIRING DIAGRAM



DN		Dimensions(mm)													
Inch	mm	A	B	M	H	H1	H2	H3	K	G	ØD	C	Ø2	L	ISO 5211
2"	50	140.5	64.5	150	208	151	65	108	90	59	53.9	43	14	32	F07
2.5"	65	153	72	150	208	151	65	108	90	59	65.2	46	14	32	F07
3"	80	157.5	86	150	208	151	65	108	90	59	79.7	46	14	32	F07
4"	100	176	100	150	208	151	65	108	90	59	105	52	16	32	F07
5"	125	191	112	150	208	151	65	108	90	59	130	56	16	32	F07
6"	150	202.5	128	150	208	151	65	108	90	59	156	56	20	32	F07
8"	200	243.5	162	200	298	223	77	121	125	75	207	60	26	45	F10
10"	250	273	194	200	298	223	77	121	125	75	253.3	68	26	45	F10
12"	300	311	223	250	299	224	77	121	125	75	301.9	78	28	45	F10

Note: Not designed for dead end service

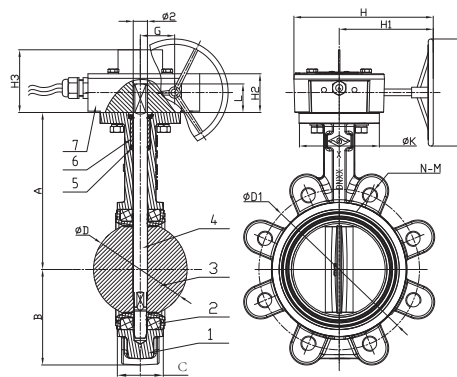
Lugged Wafer Butterfly Valve with Tamper Switch (XD371XL), PN10/16, UL Listed



XD371XL



- Design Standard: BS EN 593
- Connection Ends: BS EN 1092 PN10/16
- Top Flange Standard: ISO 5211
Stem drive by keys, parallel or diagonal square or flat head
- Working Pressure: PN10/16
- Temperature Range: 0°C- 100°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550

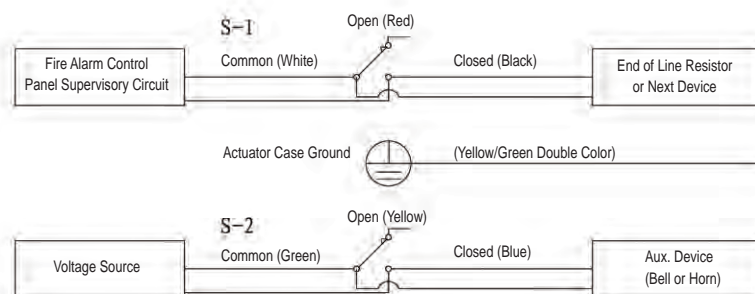


MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	EN-GJS-450-10	
2	Seat	EPDM & Backing	NBR/Fluororubber&Backing EPDM/NBR Vulcanized on Valve Body Soft Seat in EPDM/NBR
3	Disc	EN-GJS-450-10	SS304, SS316, AL-Bronze C95400
4	Stem	Stainless Steel, One-Piece Stem Design	SS304, SS316, SS420, SS431
5	O-Ring	NBR	EPDM
6	Bushing	PTFE	Nylon 1010
7	Signal Gear Box	EN-GJS-450-10	

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

SWITCH WIRING DIAGRAM



DN		Dimensions(mm)															
Inch	mm	A	B	C	N-M	ØD1	M	H	H1	H2	H3	K	G	ØD	Ø2	L	ISO 5211
2"	50	140.5	64.5	43	4-M16	125	150	208	151	65	108	90	59	53.9	14	32	F07
2.5"	65	153	72	46	4-M16	145	150	208	151	65	108	90	59	65.2	14	32	F07
3"	80	157.5	86	46	8-M16	160	150	208	151	65	108	90	59	79.7	14	32	F07
4"	100	176	100	52	8-M16	180	150	208	151	65	108	90	59	105	16	32	F07
5"	125	191	112	56	8-M16	210	150	208	151	65	108	90	59	129.8	16	32	F07
6"	150	202.5	128	56	8-M20	240	150	208	151	65	108	90	59	155.8	20	32	F07
8"	200	243.5	162	60	12-M20	295	200	298	223	77	121	125	75	207	26	45	F10
10"	250	273	194	68	12-M24	355	200	298	223	77	121	125	75	253.3	26	45	F10
12"	300	311	223	78	12-M24	410	250	299	224	77	121	125	75	301.9	28	45	F10

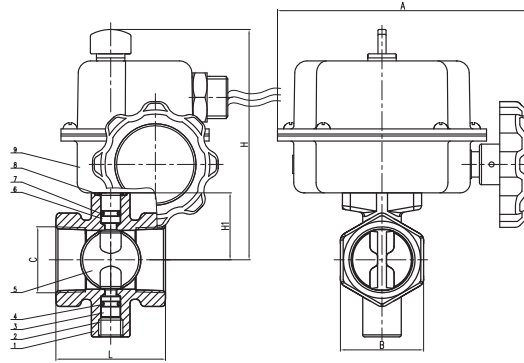
Threaded Butterfly Valve with Tamper Switch (XD311X), PN10



XD311X



- Connection Ends: Thread to ISO 7-1
- Working Pressure: PN10
- Temperature Range: 0°C- 100°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	EN-GJS-450-10	
2	Screw	Carbon Steel Zinc Plated	SS304, SS316
3	Stem	Stainless Steel	SS304, SS316, SS420, SS431
4	O-Ring	NBR	EPDM
5	Disc	Carbon Steel+EPDM	Carbon Steel+NBR
6	Stem	Stainless Steel	SS304, SS316, SS420, SS431
7	O-Ring	NBR	EPDM
8	O-Ring	NBR	EPDM
9	Signal Gear Box	Carbon Steel	

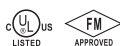
Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		Dimensions(mm)					
Inch	mm	L	H	H1	A	B	C(Rc)
1"	25	54	115	33	125	41	1
1.25"	32	67	117.5	37	125	49	11/4
1.5"	40	73	121	40.5	125	55.5	11/2
2"	50	82.5	131	48	125	71	2

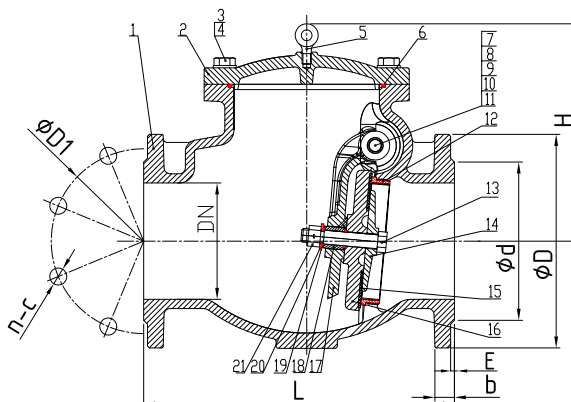
Flanged Resilient Swing Check Valve (H44X2), PN10/16, UL/FM Approved



H44X2



- Connection Ends: Flange to BS EN 1092-2:1997
- Working Pressure: PN10/16
- 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	EN-GJS-450-10	
2	Bonnet	EN-GJS-450-10	
3	Flat Washer	Carbon Steel Zinc Plated	
4	Bolts	Carbon Steel Zinc Plated	
5	Eye Bolt	Carbon Steel Zinc Plated	
6	O-Ring	EPDM	NBR
7	Plug	SS304	Bronze ASTM B584
8	O-Ring	EPDM	NBR
9	Hinge Pin	SS304	SS316
10	Washer	Brass ASTM B16 C36000/Hpb63-3	SS304
11	Hinge Bushing	Brass ASTM B16 C36000/Hpb63-3	SS304
12	Seat Ring	Bronze ASTM B62 C83600/ZQSn5-5-5(Pressed Fit)	SS304
13	Disc Seat Bolts	SS304	
14	Retainer Washer	Bronze ASTM B62 C83600/ZQSn5-5-5	
15	Disc Seat Ring	EPDM	NBR
16	Disc	EN-GJS-450-10	
17	Clapper Arm	EN-GJS-450-10	
18	Disc Bushing	Brass ASTM B16 C36000/Hpb63-3	
19	O-Ring	EPDM	NBR
20	Washer	Brass ASTM B16 C36000/Hpb63-3	SS304
21	Nut	Bronze ASTM B62 C83600/ZQSn5-5-5	SS304

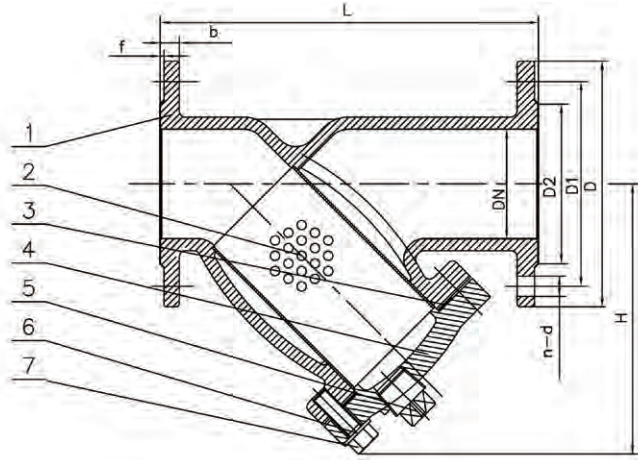
Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		PN	Dimensions(mm)							
Inch	mm		L	D	D1	d	b	E	H	n-Φd
2"	50	10/16	203	165	125	99	19	3	133	4-Φ19
2.5"	65	10/16	216	185	145	118	19	3	150	4-Φ19
3"	80	10/16	241	200	160	132	19	3	150	8-Φ19
4"	100	10/16	292	220	180	156	19	3	218	8-Φ19
6"	150	10	356	285	240	211	19	3	290	8-Φ23
		16								
8"	200	10	495	340	295	266	20	3	330	8-Φ23
		16								12-Φ23
10"	250	10	622	405	350	319	22	3	350	12-Φ23
		16			355					12-Φ28
12"	300	10	698	460	400	370	24.5	4	376	12-Φ23
		16			410					12-Φ28

Flanged Y-Type Strainer (V4), PN10/16, UL Listed



- Connection Ends: Flange to BS EN 1092-2:1997
- Working Pressure: PN10/16
- Temperature Range: -10°C- 200°C graphite gasket
0°C- 100°C rubber gasket
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	EN-GJS-450-10	
2	Screen	SS304 (Perforated)	SS304, SS316 (Perforated, Knitted, Double Screen)
3	Gasket	Graphite+Acanthopore Plate	EPDM
4	Bonnet	EN-GJS-450-10	
5	Plug	Malleable Iron Galvanized	Bronze ASTM B584
6	Bolt	Carbon Steel Zinc Plated	SS304, SS316
7	Flat Washer	Carbon Steel Zinc Plated	SS304, SS316

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		PN	Dimensions(mm)							
Inch	mm		L	D	D1	D2	b	n-Φd	f	H
2"	50	10/16	230	165	125	99	19	4-Φ19	3	140
2.5"	65	10/16	290	185	145	118	19	4-Φ19	3	175
3"	80	10/16	310	200	160	132	19	8-Φ19	3	198
4"	100	10/16	350	220	180	156	19	8-Φ19	3	229
5"	125	10/16	400	250	210	184	19	8-Φ19	3	287
6"	150	10/16	480	285	240	211	19	8-Φ23	3	304
8"	200	10	600	340	295	266	20	8-Φ23	3	370.5
		16						12-Φ23		
10"	250	10	730	405	350	319	22	12-Φ23	3	469
		16			355			12-Φ28		
12"	300	10	850	460	400	370	24.5	12-Φ23	4	540
		16			410			12-Φ28		
18"	450	10	1200	640	565	530	30	20-Φ28	4	862
		16			585			20-Φ31		
20"	500	10	1250	715	620	582	31.5	20-Φ28	4	926
		16			650			20-Φ34		
24"	600	10	1450	840	725	682	36	20-Φ31	5	1057
		16			770			20-Φ37		

SHORT STYLE

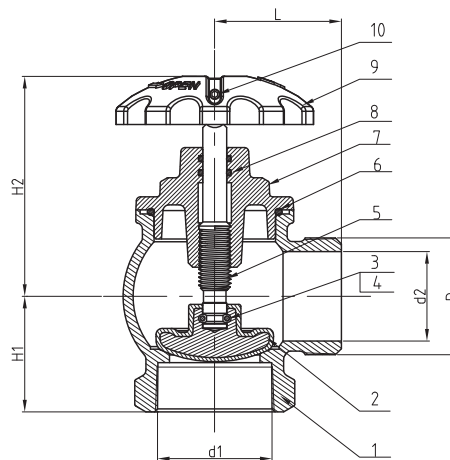
DN		PN	Dimensions(mm)							
Inch	mm		L	D	D1	D2	b	n-Φd	f	H
18"	450	10	850	640	565	530	30	20-Φ28	4	693
		16			585			20-Φ31		
20"	500	10	1000	715	620	582	31.5	20-Φ28	4	774
		16			650			20-Φ34		
24"	600	10	1100	840	725	682	36	20-Φ31	5	956
		16			770			20-Φ37		

Landing Valve(SN), PN10/16



SN

- Thread: ISO 7-1
- Working Pressure: PN10/16
- Temperature Range: 0°C - 100°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification
1	Body	EN-GJS-450-10
2	Disc	EN-GJS-450-10+EPDM
3	Steel Ball	SS304
4	Inner Hex Screw	SS304
5	Stem	SS420
6	O-Ring	NBR
7	Bonnet	EN-GJS-450-10
8	O-Ring	NBR
9	Handwheel	ABS
10	Screw	SS304

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

DN		Dimensions(mm)					
Inch	mm	H1	H2	L	d1(Rc)	d2	D(R)
2"	50	57.5	109.5	63	2	44.5	2
2.5"	65	71	109.3	71	2 ^{1/2}	58	2 ^{1/2}

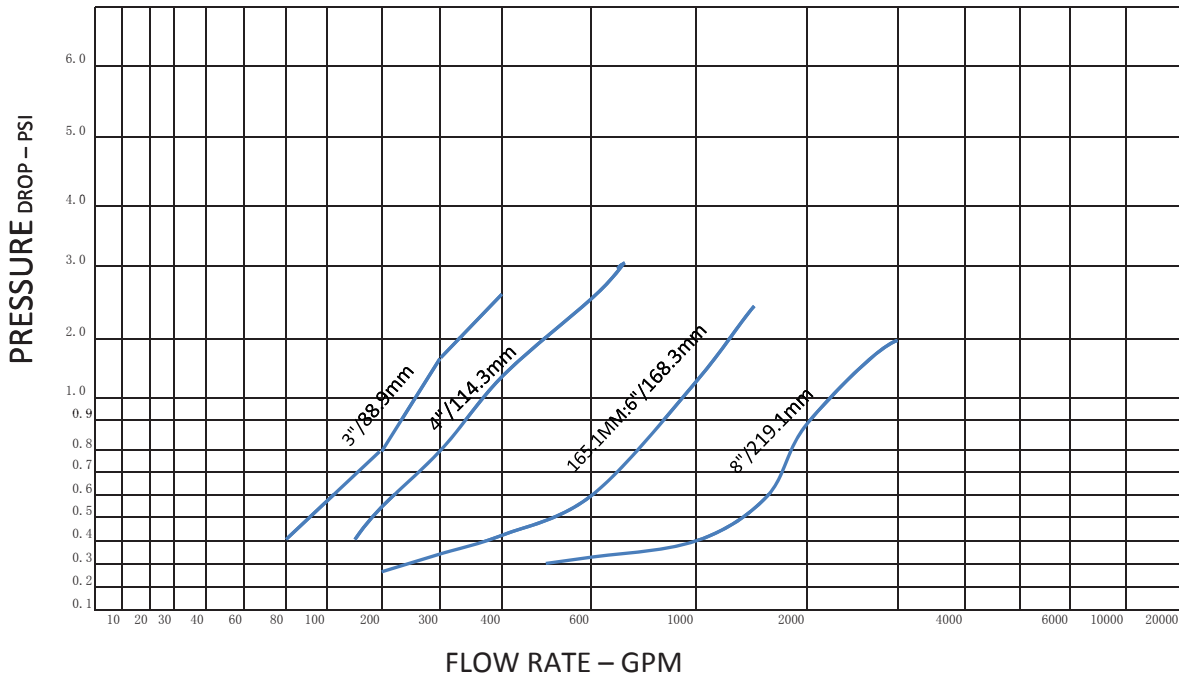
Wet Alarm Check Valve

• **Statement:**

The alarm check valve works as a check valve by preventing the reverse flow of water from the system piping to the water supply. The valve is trimmed with a water bypass line, which has an in-line swing check valve. The bypass line allows pressure surges to enter the system and to be trapped above the alarm check valve's clapper without the clapper lifting and causing false alarms.

When a significant flow of water occurs, such as from an open sprinkler, the alarm valve's clapper lifts and allows water to enter the system. Simultaneously, water enters an intermediate chamber, which allows the water to activate an alarm either through a water motor alarm or through a water pressure alarm. These alarms continue to sound until the flow of water is stopped.

DN		Dimensions(mm)	
Inch	mm	OD	Equivalent Length of Pipe (m)
3"	80	88.9	4.9
4"	100	114.3	7.9
6"	150	165.1	9.8
6"	150	168.3	9.8
8"	200	219.1	8.2

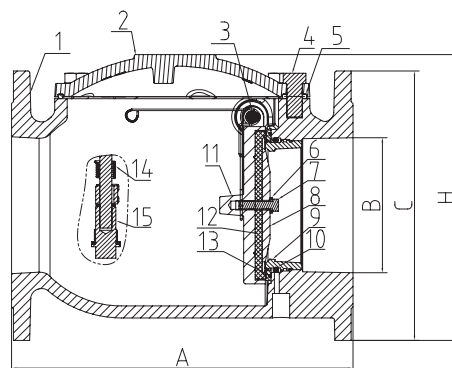


Flanged Wet Alarm Valve (ZSFZ4X)



ZSFZ4X

- Connection Ends: BS EN 1092-2:1997
- Working Pressure: 1.6MPa
- Temperature Range: 0°C- 100°C
- Coating: Painting

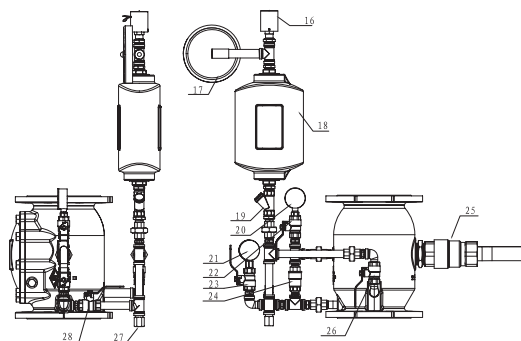


MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	Ductile Iron EN-GJS-450-10	
2	Bonnet	Ductile Iron EN-GJS-450-10	
3	Pin	SS304	SS316
4	Hex Bolt	Carbon Steel Zinc Plated	
5	Gasket	EPDM	NBR
6	Spring Washer	SS304	
7	Hex Bolt	SS304	
8	Gland	Brass H62	
9	Seat	Bronze ZQSn5-5-5	
10	O-Ring	NBR	EPDM
11	Disc	Brass H62	
12	Gasket	EPDM	
13	O-Ring	NBR	
14	Spring	SS321	
15	Plug	SS304	

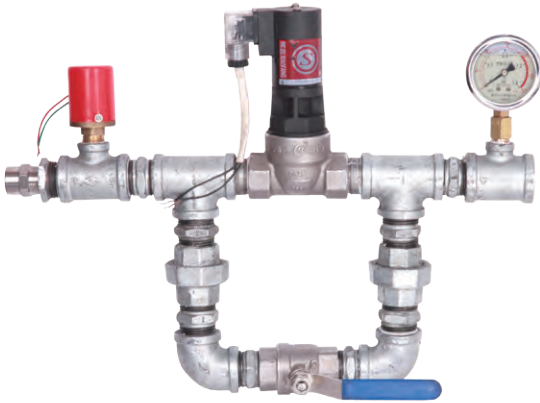
Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		Dimensions(mm)			
Inch	mm	A	∅ B	∅ c	H
3"	80	241	80	200	235
4"	100	292	100	220	230
6"	150	356	150	285	298
8"	200	495	200	340	352

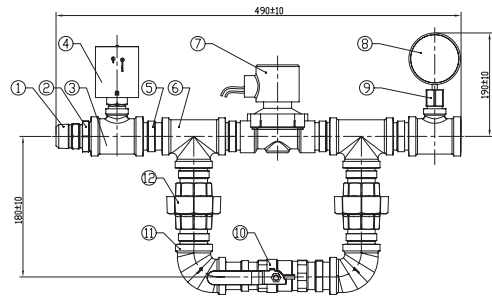


External accessories			
Part No.	Part	Part No.	Part
16	Pressure switch	23	Ball valve
17	Alarm	24	Check Valve
18	Decelerator	25	Ball valve
19	Strainer	26	Ball valve
20	Pressure gauge	27	Water valve
21	Pressure gauge	28	Ball valve
22	Ball valve		

Electric Inspector's Test Connection (ZSPM-80-DX)



ZSPM-80-DX



MATERIAL SPECIFICATION

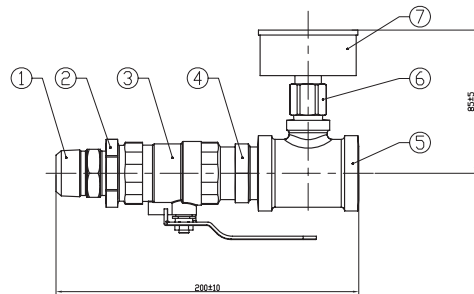
Part No.	Part	Standard Specification
1	Test nozzle	SS304
2	Outside Hex Bushing	Malleable Iron Galvanized
3	Reducing Tee	Malleable Iron Galvanized
4	Pressure Switch	
5	Nexagon Nipple, Equal	Malleable Iron Galvanized
6	Reducing Tee	Malleable Iron Galvanized
7	Solenoid Valves	Brass
8	Pressure Gauge	
9	Connector	Brass
10	Ball Valve	SS304
11	90° Elbow	Malleable Iron Galvanized
12	Union With Brass Seat	Malleable Iron Galvanized

Note: 1.For special material request other than standard specification, please indicate clearly on the inquiry or order list.
2.Threads connection options available includes: ASME B1.20.1, ISO 7-1

Manual Inspector's Test Connection (ZSPM-80-SA)



ZSPM-80-SA



MATERIAL SPECIFICATION

Part No.	Part	Standard Specification
1	Test nozzle	SS304
2	Outside Hex Bushing	Malleable Iron Galvanized
3	Ball Valve	SS304
4	Nexagon Nipple, Equal	Malleable Iron Galvanized
5	Reducing Tee	Malleable Iron Galvanized
6	Connector	Brass
7	Pressure Gauge	

Note: 1.For special material request other than standard specification, please indicate clearly on the inquiry or order list.
2.Threads connection options available includes: ASME B1.20.1, ISO 7-1

Hydraulic Control Valve, PN10/16/25

Statement

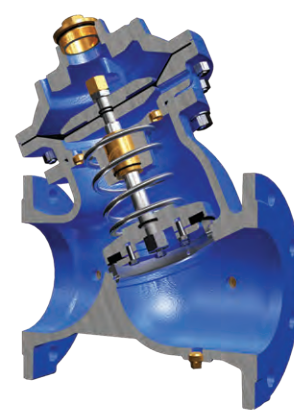
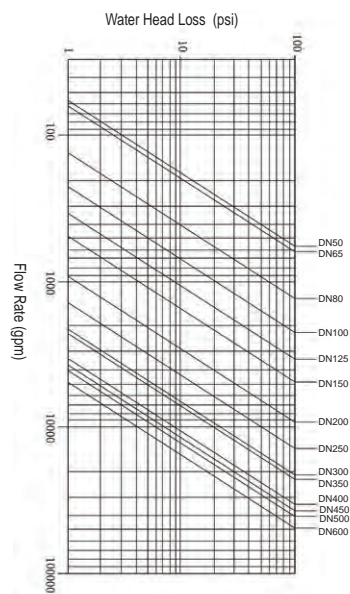
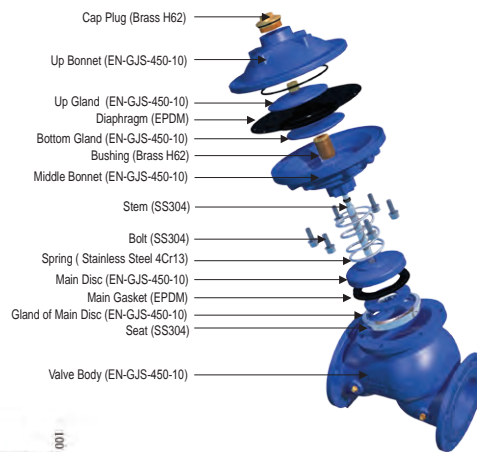
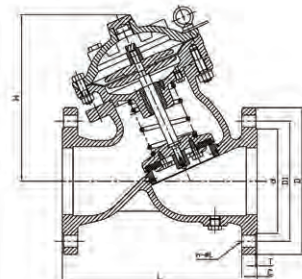
The hydraulic control valve was initially originated in Holand, Israel and Denmark, used for agricultural irrigation. Later the product was introduced into the United Sates, Canada and Asian countries. It was from the 1990s when the product first entered China, and ever since its entrance it gets rapidly developed and widely applied in different industrie aside from irrigation.

The hydraulic control valve produced by Jinan Meide is new style that absorbed the essence of other well-known brands which makes it better in energy saving, consumption reducing and accurate adjusting achieving. The MECH brand hydraulic control valves have been widely used in China, Europe and South East Asian countries in pipe system of irrigation, water supplying, fire protection and air conditioning which has medium of water under 80°C or other medium with similar physical and chemical property as water.

Specifications

- Basic Valve: Y-Type Direct-flow
- Connection Ends: Flange to BS EN 1092-2:1997
- Temperature Range: 0°C- 100°C
- Working Pressure: PN10/16/25
- Testing Standard: API 598

Flow Diagram of Basic Valve



DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Kv	41	53	105	175	285	402	730	1160	1400	1770	3010	3225	3395	4272

DN		PN	Dimensions(mm)							
Inch	mm		L	H	D	D1	d	C	T	n-ΦL
2"	50	10/16	203	170	165	125	99	19	3	4-Φ19
2.5"	65	10/16	216	195	185	145	118	19	3	4-Φ19
3"	80	10/16	241	215	200	160	132	19	3	8-Φ19
4"	100	10/16	292	255	220	180	156	19	3	8-Φ19
5"	125	10/16	330	290	250	210	184	19	3	8-Φ19
6"	150	10/16	356	360	285	240	211	19	3	8-Φ23
8"	200	10	495	450	340	295	266	20	3	8-Φ23
		16	495		340	295	266	20	3	12-Φ23
10"	250	10	622	550	405	350	319	22	3	12-Φ23
		16	622		405	355	319	22	3	12-Φ28
12"	300	10	698	645	460	400	370	24.5	4	12-Φ23
		16	698		460	410	370	24.5	4	12-Φ28
14"	350	10	787	700	505	460	429	24.5	4	16-Φ23
		16	787		520	470	429	26.5	4	16-Φ28
16"	400	10	914	790	565	515	480	24.5	4	16-Φ28
		16	914		580	525	480	28	4	16-Φ31
18"	450	10	978	850	615	565	530	25.5	4	20-Φ28
		16	978		640	580	548	30	4	20-Φ31
20"	500	10	978	900	670	620	582	26.5	4	20-Φ28
		16	978		715	625	609	31.5	4	20-Φ34
24"	600	10	1295	1030	780	725	682	30	5	20-Φ31
		16	1295		840	770	720	36	5	20-Φ37

※ Pressure Reducing Valve



SK720X



SK720X1

※ Pressure Relief & Sustaining Valve



SK730X



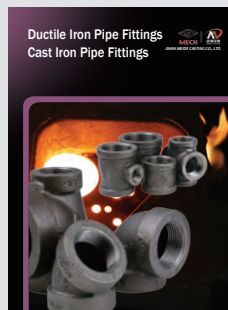
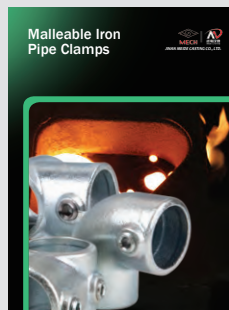
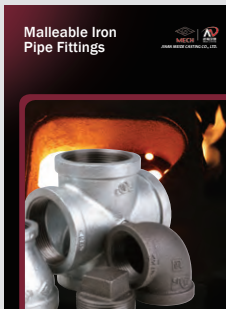
SK730X1

※ Deluge Alarm Valve



SK790X

MECH FLOW SUPPLIES



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