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Check Valves

Complete Solutions for Water Industry



NEWAY VALVE

Cat.no.: E-CV-2025

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“SWR” Resilient / “SWN” Metal Seated Swing Check Valve

Size: DN40-900

Product description

Swing check valve for drinking water, cooling water, waste water and other neutral fluids

Design standards

- EN 1074 part1 & 3, EN16767

Pressure rating

- PN10/16

Face-to-face dimension

- EN 558

Flange drilling

- EN1092-2 PN10/16;ASME B6.47/B16.5

Test

- EN 12266
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar)



Design temperature

- 0-80°C

Features

- Elastomer-coated wedge
- Metal seat in high strength alu-bronze
- Easy maintenance
- Low opening pressure
- Bonnet gasket in a groove between bonnet and body to prevent blow-out
- 420ss stainless steel stem material
- Fusion bonded epoxy coating inside and outside

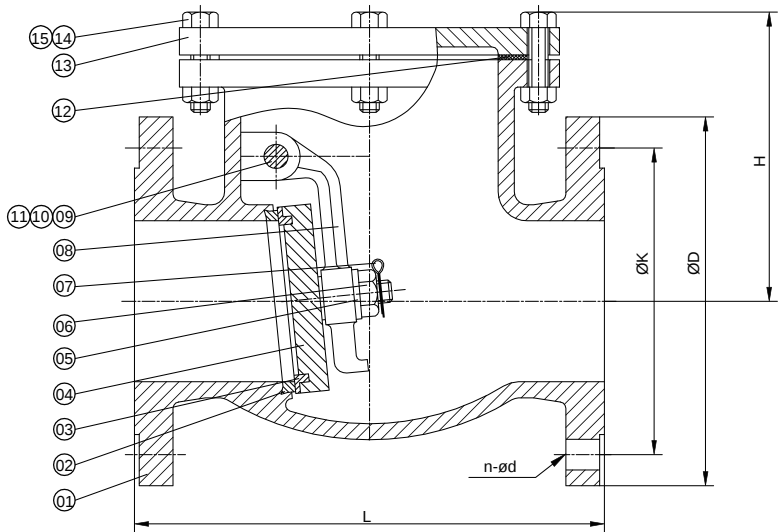
Accessories

- Hammer (Lever and weight/spring)
- Proximity switch
- Flange adaptor
- Combi-flange

Main application

- Water supply systems
- Water treatment

“SWR” Resilient / “SWN” Metal Seated Swing Check Valve



Part List		
Item	Part Name	Material
1	Body	DUCTILE IRON
2	Body Seat	BRASS
3	Disc Seat	EPDM/BRASS
4	Disc	DUCTILE IRON
5	Washer	304SS
6	Nut	ISO 3506 A2-70
7	Cotter Pin	304SS
8	Arm	DUCTILE IRON
9	Hing Pin	420SS
10	Plug	304SS
11	Minipad	TFL
12	Gasket	EPDM
13	Bonnet	DUCTILE IRON
14	Bolt	ISO 3506 A2-70
15	Nut	ISO 3506 A2-70

Note: Carbon steel, Stainless steel, DSS, SDSS for optional

DN	FLANGE STANDARD-EN1092-2-PN10				
	D	K	n-ød	L	H
40	150	110	4-ø19	180	120
50	165	125	4-ø19	200	137
65	185	145	4-ø19	240	147
80	200	160	8-ø19	260	159
100	220	180	8-ø19	300	180
125	250	210	8-ø19	350	203
150	285	240	8-ø23	400	223
200	340	295	8-ø23	495	258
250	395	350	12-ø23	622	290
300	445	400	12-ø23	698	325
350	505	460	16-ø23	800	361
400	565	515	16-ø28	900	388
450	615	565	20-ø28	1000	450
500	670	620	20-ø28	1100	518
600	780	725	20-ø31	1300	620
700	895	840	24-ø31	1500	705
800	1015	950	24-ø34	1700	763
900	1115	1050	28-ø34	1900	960

NOTE: * Values are for reference only

“SWR” Resilient / “SWN” Metal Seated Swing Check Valve

DN	FLANGE STANDARD-EN1092-2-PN16				
	D	K	n-ød	L	H
40	150	110	4-ø19	180	120
50	165	125	4-ø19	200	137
65	185	145	4-ø19	240	147
80	200	160	8-ø19	260	159
100	220	180	8-ø19	300	180
125	250	210	8-ø19	350	203
150	285	240	8-ø23	400	223
200	340	295	12-ø23	495	258
250	405	355	12-ø28	622	290
300	460	410	12-ø28	698	325
350	520	470	16-ø28	800	361
400	580	525	16-ø31	900	388
450	640	585	20-ø31	1000	450
500	715	650	20-ø34	1100	518
600	840	770	20-ø37	1300	620
700	910	840	24-ø37	1500	705
800	1025	950	24-ø41	1700	763
900	1125	1050	28-ø41	1900	960

DN	FLANGE STANDARD-ASME B16.47 CL150/B16.5 CL150				
	D	K	n-ød	L	H
40	127	98.4	4-ø16	180	120
50	152	120.7	4-ø19	200	137
65	178	139.7	4-ø19	240	147
80	191	152.4	4-ø19	260	159
100	229	190.5	8-ø19	300	180
125	254	215.9	8-ø22	350	203
150	279	241.3	8-ø22	400	223
200	343	298.4	8-ø22	495	258
250	406	362	12-ø25	622	290
300	483	431.8	12-ø25	698	325
350	533	476.2	12-ø29	800	361
400	597	539.8	16-ø29	900	388
450	635	577.8	16-ø32	1000	450
500	698	635	20-ø32	1100	518
600	813	749.3	20-ø35	1300	620
700	927	863.6	28-ø35	1500	705
800	1060	977.9	28-ø41	1700	763
900	1168	1085.8	32-ø41	1900	960

NOTE: * Values are for reference only

Size: DN50-700

Product description

Flexible check valve for drinking water, cooling water, waste water and other neutral fluids

Design standards

- EN 1074 part1 & 3, EN16767

Pressure rating

- PN10/16

Face-to-face dimension

- EN558, DIN-F6

Flange drilling

- EN1092-2 PN10/16, ASME B16.47/B16.5

Test

- EN 12266
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar)

Features

- Elastomer-coated wedge
- Easy maintenance
- Bonnet gasket in a groove between bonnet and body to prevent blow-out
- Requires a minimum of force to open/close due to the light weight
- Fusion bonded epoxy coating inside and outside

Accessories

- Flange adaptor
- Combi-flange

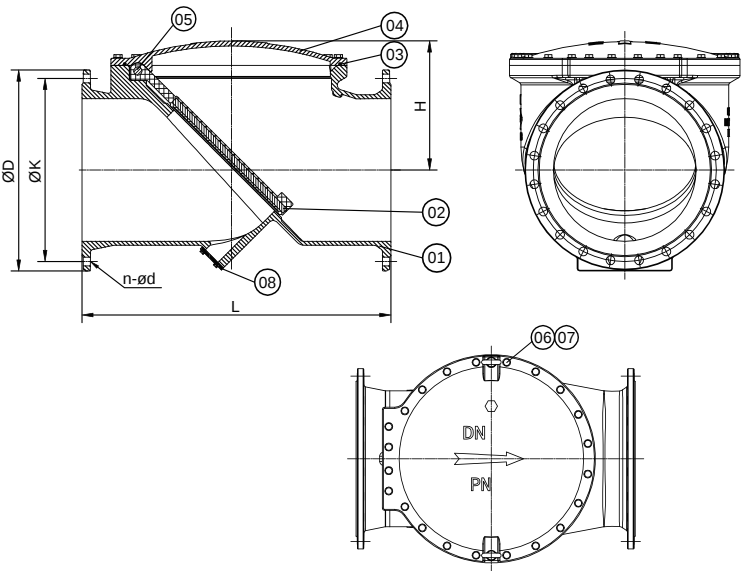
Main application

- Water supply systems
- Water treatment



Design temperature

- 0-80°C



Part List

Item	Part Name	Material
1	Body	DUCTILE IRON
2	Flapper	DUCTILE IRON +EPDM
3	Bonnet Gasket	EPDM
4	Bonnet	DUCTILE IRON
5	Pin	420SS/304SS
6	Bolt	ISO 3506 A2-70
7	Washers	ISO 3506 A2-70
8	Nuts	ISO 3506 A2-70

Note: Carbon steel, Stainless steel, DSS, SDSS for optional

DN	FLANGE STANDARD-EN1092-2-PN10					H
	D	K	n-ød	L		
				Series 13	Series 14	
50	165	125	4-ø19	200	203	83
65	185	145	4-ø19	240	216	93
80	200	160	8-ø19	260	241	105
100	220	180	8-ø19	300	292	110
125	250	210	8-ø19	350	330	140
150	285	240	8-ø23	400	356	143
200	340	295	8-ø23	500	495	210
250	395	350	12-ø23	600	622	300
300	445	400	12-ø23	700	698	330
350	505	460	16-ø23	800	787	385
400	565	515	16-ø28	900	914	430
450	615	565	20-ø28	1000	965	455
500	670	620	20-ø28	1100	1067	530
600	780	725	20-ø31	1300	1219	590
700	895	840	24-ø31	1500	1448	630

NOTE: * Values are for reference only

“SRD” Flexible Check Valve

DN	FLANGE STANDARD-EN1092-2-PN16					
	D	K	n-ød	L		H
				Series 13	Series 14	
50	165	125	4-ø19	200	203	83
65	185	145	4-ø19	240	216	93
80	200	160	8-ø19	260	241	105
100	220	180	8-ø19	300	292	110
125	250	210	8-ø19	350	330	140
150	285	240	8-ø23	400	356	143
200	340	295	12-ø23	500	495	210
250	405	355	12-ø28	600	622	300
300	460	410	12-ø28	700	698	330
350	520	470	16-ø28	800	787	385
400	580	525	16-ø31	900	914	430
450	640	585	20-ø31	1000	965	455
500	715	650	20-ø34	1100	1067	530
600	840	770	20-ø37	1300	1219	590
700	910	840	24-ø37	1500	1448	630
NOTE: * Values are for reference only						

DN	FLANGE STANDARD-ASME B16.47 CL150/B16.5 CL150					
	D	K	n-ød	L		H
				Series 13	Series 14	
50	152	120.7	4-ø19	200	203	83
65	178	139.7	4-ø19	240	216	93
80	191	152.4	4-ø19	260	241	105
100	229	190.5	8-ø19	300	292	110
125	254	215.9	8-ø22	350	330	140
150	279	241.3	8-ø22	400	356	143
200	343	298.4	8-ø22	500	495	210
250	406	362	12-ø25	600	622	300
300	483	431.8	12-ø25	700	698	330
350	533	476.2	12-ø29	800	787	385
400	597	539.8	16-ø29	900	914	430
450	635	577.8	16-ø32	1000	965	455
500	698	635	20-ø32	1100	1067	530
600	813	749.3	20-ø35	1300	1219	590
700	927	863.6	28-ø35	1500	1448	630
NOTE: * Values are for reference only						

“SPC” Ball Check Valve

Size: DN32-400

Product description

Ball check valve for drinking water, cooling water, waste water and other neutral fluids

Design standards

- EN 1074 part1 & 3, EN16767

Pressure rating

- PN10/16

Face-to-face dimension

- EN558, DIN3302, BS5153, ASME B16.10

Flange drilling

- EN1092-2 PN10/16, ASME B 16.1/16.42 CL125/CL150, ASME B16.5

Design temperature

- 0-80°C

Test

- EN 12266
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar)

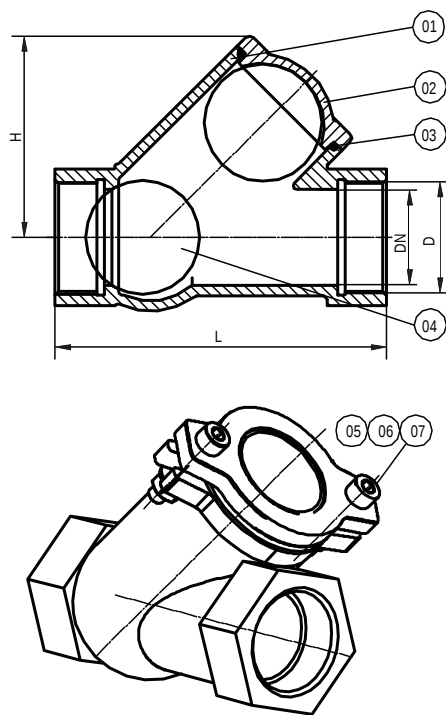
Features

- No mechanically moving parts
- Self-cleaning construction
- Low pressure loss and minimum back pressure due to the full bore
- Easy to maintain
- Smooth bore eliminates the risk of deposits at the bottom
- Compact design and low weight
- Fusion bonded epoxy coating inside and outside

Main application

- Water supply systems
- Water treatment

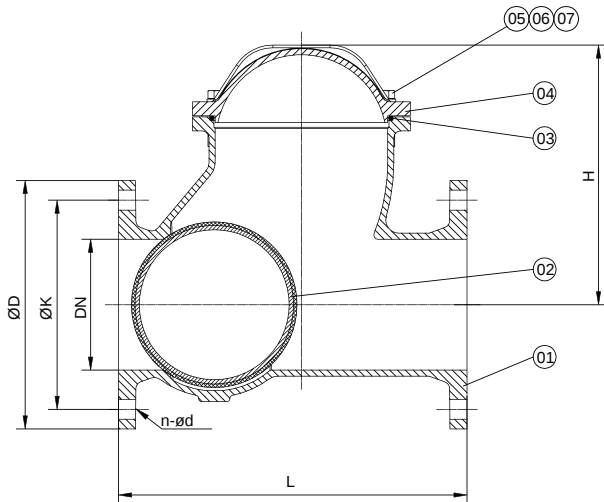




Part List		
Item	Part Name	Material
1	Body	DUCTILE IRON
2	Bonnet	DUCTILE IRON
3	Bonnet Gasket	EPDM
4	Ball	CARBON STEEL+EPDM
5	Bolt	ISO 3506 A2-70
6	Washers	304SS
7	Nuts	ISO 3506 A2-70

Note: Carbon steel, Stainless steel, DSS, SDSS for optional

DN	Outline mm		
	DIN3202	H	D
	L		
32	130	75	G1-1/4"
40	145	95	G1-1/2"
50	175	110	G2"
65	203	136	G2-1/2"
80	254	210	G3"



Part List		
Item	Part Name	Material
1	Body	DUCTILE IRON
2	Ball	CARBON STEEL+EPDM
3	Bonnet Gasket	NBR
4	Bonnet	DUCTILE IRON
5	Nuts	ISO 3506 A2-70
6	Bolt	ISO 3506 A2-70
7	Washers	304SS

Note: Carbon steel, Stainless steel, DSS, SDSS for optional

DN	FLANGE STANDARD-EN1092-2-PN10				
	D	K	n-ød	L	H
50	165	125	4-ø19	200	100
65	185	145	4-ø19	240	125
80	200	160	8-ø19	260	145
100	220	180	8-ø19	300	180
125	250	210	8-ø19	350	245
150	285	240	8-ø23	400	300
200	340	295	8-ø23	500	375
250	395	350	12-ø23	600	455
300	445	400	12-ø23	700	535
400	565	515	16-ø28	900	710

NOTE: * Values are for reference only

DN	FLANGE STANDARD-EN1092-2-PN16				
	D	K	n-ød	L	H
50	165	125	4-ø19	200	100
65	185	145	4-ø19	240	125
80	200	160	8-ø19	260	145
100	220	180	8-ø19	300	180
125	250	210	8-ø19	350	245
150	285	240	8-ø23	400	300
200	340	295	12-ø23	500	375
250	405	355	12-ø28	600	455
300	460	410	12-ø28	700	535
400	580	525	16-ø31	900	710
NOTE: * Values are for reference only					

DN	FLANGE STANDARD-ASME B16.5 CL150				
	D	K	n-ød	L	H
50	152	120.7	4-ø19	200	100
65	178	139.7	4-ø19	240	125
80	191	152.4	4-ø19	260	145
100	229	190.5	8-ø19	300	180
125	254	215.9	8-ø22	350	245
150	279	241.3	8-ø22	400	300
200	343	298.4	8-ø22	500	375
250	406	362	12-ø25	600	455
300	483	431.8	12-ø25	700	535
400	597	539.8	16-ø29	900	710
NOTE: * Values are for reference only					

Size: DN50-500

Product description

Silent check valve for drinking water, cooling water, waste water and other neutral fluids

Design standards

- EN 1074 part1 & 3, EN16767

Pressure rating

- PN16
- PN10/25(option available)



Flange drilling

- EN1092-2 PN10/16, PN25 up to DN600, ASME B 16.1/16.42 CL125/CL150, ASME B16.5

Test

- EN 12266
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar)

Design temperature

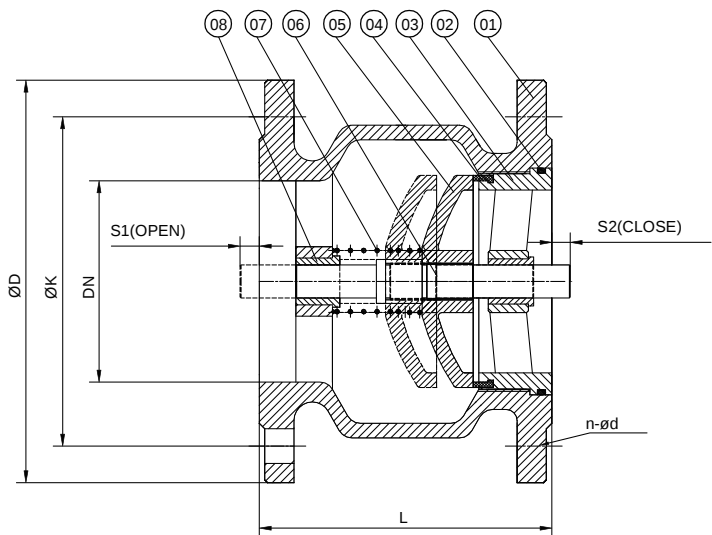
- 0-80°C

Features

- Low head loss
- Soft seat design for tight seal
- Compact design and low weight
- Lower slam due to the light disc, short stroke distance and fast closing spring
- Fusion bonded epoxy coating inside and outside

Main application

- Water supply systems
- Water treatment



Part List		
Item	Part Name	Material
1	Body	DUCTILE IRON
2	O Ring	EPDM
3	Bonnet	DUCTILE IRON
4	Gasket	EPDM
5	Disc	DUCTILE IRON
6	Stem	420SS
7	Spring	304SS
8	Bushing	BRASS

Note: Carbon steel, Stainless steel, DSS, SDSS for optional

DN	FLANGE STANDARD-EN1092-2-PN10					
	D	K	n-Ød	L	S1	S2
50	165	125	4-Ø19	105	4	0
65	185	145	4-Ø19	142	-9	-6.5
80	200	160	8-Ø19	163	-10	-1.5
100	220	180	8-Ø19	175	-9.5	7.5
125	250	210	8-Ø19	190	1	13
150	285	240	8-Ø23	215	-8.5	9.5
200	340	295	8-Ø23	227	28	37
250	395	350	12-Ø23	250	60	40
300	445	400	12-Ø23	300	26	58
350	505	460	16-Ø23	350	46	67
400	565	515	16-Ø28	400	50	79
450	615	565	20-Ø28	450	40	75
500	670	620	20-Ø28	500	54	80

DN	FLANGE STANDARD-EN1092-2-PN16					
	D	K	n-Ød	L	S1	S2
50	165	125	4-Ø19	105	4	0
65	185	145	4-Ø19	142	-9	-6.5
80	200	160	8-Ø19	163	-10	-1.5
100	220	180	8-Ø19	175	-9.5	7.5
125	250	210	8-Ø19	190	1	13
150	285	240	8-Ø23	215	-8.5	9.5
200	340	295	12-Ø23	227	28	37
250	405	355	12-Ø28	250	60	40
300	460	410	12-Ø28	300	26	58
350	520	470	16-Ø28	350	46	67
400	580	525	16-Ø31	400	50	79
450	640	585	20-Ø31	450	40	75
500	715	650	20-Ø34	500	54	80

NOTE: * Values are for reference only

DN	FLANGE STANDARD-EN1092-2-PN25					
	D	K	n-Ød	L	S1	S2
50	165	125	4-Ø19	105	4	0
65	185	145	8-Ø19	142	-9	-6.5
80	200	160	8-Ø19	163	-10	-1.5
100	230	190	8-Ø23	175	-9.5	7.5
125	270	220	8-Ø28	190	1	13
150	300	250	8-Ø28	215	-8.5	9.5
200	360	310	12-Ø28	227	28	37
250	425	370	12-Ø31	250	60	40
300	485	430	16-Ø31	300	26	58
350	555	490	16-Ø34	350	46	67
400	620	550	16-Ø37	400	50	79
450	670	600	20-Ø37	450	40	75
500	730	660	20-Ø37	500	54	80

NOTE: * Values are for reference only

DN	FLANGE STANDARD-ASME B16.5 CL150					
	D	K	n-Ød	L	S1	S2
50	152	120.7	4-Ø19	105	4	0
65	178	139.7	4-Ø19	142	-9	-6.5
80	191	152.4	4-Ø19	163	-10	-1.5
100	229	190.5	8-Ø19	175	-9.5	7.5
125	254	215.9	8-Ø22	190	1	13
150	279	241.3	8-Ø22	215	-8.5	9.5
200	343	298.4	8-Ø22	227	28	37
250	406	362	12-Ø25	250	60	40
300	483	431.8	12-Ø25	300	26	58
350	533	476.2	12-Ø29	350	46	67
400	597	539.8	16-Ø29	400	50	79
450	635	577.8	16-Ø32	450	40	75
500	698	635	20-Ø32	500	54	80

NOTE: * Values are for reference only

Size: DN50-600

Product description

Resilient axial flow check valve for drinking water, cooling water, waste water and other neutral fluids

Design standards

- EN 1074 part1 & 3, EN16767

Pressure rating

- PN16
- PN10/25/40(option available)

Flange drilling

- EN1092-2 PN10/16, PN25 up to DN600, ASME B 16.1/16.42 CL125/CL150, ASME B16.5

Test

- EN 12266
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar)

Design temperature

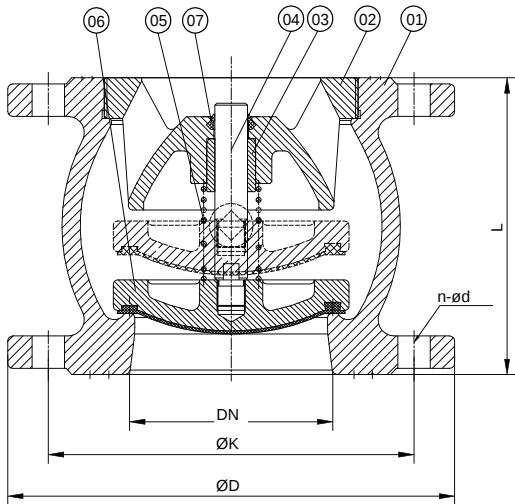
- 0-80°C
-

Features

- Non slam
- Treamlined Venturi Shape Design to ensure
- flow efficiency and minimize pressure loss
- Soft seat design for tight seal
- Fusion bonded epoxy coating inside and outside

Main application

- Water supply systems
- Water treatment



Part List		
Item	Part Name	Material
1	Body	DUCTILE IRON
2	Guiding Object	DUCTILE IRON
3	Guideding Sleeve	BRASS
4	Stem	420SS
5	Spring	304SS
6	Disc	DUCTILE IRON +NBR
7	Dust Ring	NBR

Note: Carbon steel, Stainless steel, DSS, SDSS for optional

DN	FLANGE STANDARD-EN1092-2-PN10			
	D	K	n-Ød	L
50	165	125	4-Ø19	150
65	185	145	4-Ø19	170
80	200	160	8-Ø19	180
100	220	180	8-Ø19	190
125	250	210	8-Ø19	200
150	285	240	8-Ø23	210
200	340	295	8-Ø23	230
250	395	350	12-Ø23	250
300	445	400	12-Ø23	270
350	505	460	16-Ø23	290
400	565	515	16-Ø28	310
450	615	565	20-Ø28	330
500	670	620	20-Ø28	350
600	780	725	20-Ø31	390

NOTE: * Values are for reference only

DN	FLANGE STANDARD-EN1092-2-PN16			
	D	K	n-Ød	L
50	165	125	4-Ø19	150
65	185	145	4-Ø19	170
80	200	160	8-Ø19	180
100	220	180	8-Ø19	190
125	250	210	8-Ø19	200
150	285	240	8-Ø23	210
200	340	295	12-Ø23	230
250	405	355	12-Ø28	250
300	460	410	12-Ø28	270
350	520	470	16-Ø28	290
400	580	525	16-Ø31	310
450	640	585	20-Ø31	330
500	715	650	20-Ø34	350
600	840	770	20-Ø37	390

NOTE: * Values are for reference only

“SAC” Resilient Axial Flow Check Valve

DN	FLANGE STANDARD-EN1092-2-PN25			
	D	K	n-ød	L
50	165	125	4-ø19	150
65	185	145	8-ø19	170
80	200	160	8-ø19	180
100	230	190	8-ø23	190
125	270	220	8-ø28	200
150	300	250	8-ø28	210
200	360	310	12-ø28	230
250	425	370	12-ø31	250
300	485	430	16-ø31	270
350	555	490	16-ø34	290
400	620	550	16-ø37	310
450	670	600	20-ø37	330
500	730	660	20-ø37	350
600	845	770	20-ø41	390

NOTE: * Values are for reference only

DN	FLANGE STANDARD-ASME B16.5 CL150			
	D	K	n-ød	L
50	152	120.7	4-ø19	150
65	178	139.7	4-ø19	170
80	191	152.4	4-ø19	180
100	229	190.5	8-ø19	190
125	254	215.9	8-ø22	200
150	279	241.3	8-ø22	210
200	343	298.4	8-ø22	230
250	406	362	12-ø25	250
300	483	431.8	12-ø25	270
350	533	476.2	12-ø29	290
400	597	539.8	16-ø29	310
450	635	577.8	16-ø32	330
500	698	635	20-ø32	350
600	813	749.3	20-ø35	390

NOTE: * Values are for reference only

“SBL” Resilient Dual Plate Check Valve

Size: DN50-2000

Product description

Resilient dual plate check valve for drinking water, cooling water, waste water and other neutral fluids

Design standards

- EN 1074 part1 & 3, EN16767, API594

Pressure rating

- PN10/16

Flange drilling

- EN1092-2 PN10/16, ASME B 16.1/16.42 CL125/CL150, AWWA, ASME B16.5/16.47

Test

- EN 12266
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar)

Features

- Non slam
- Low operating pressure
- Soft seat design for tight seal
- Fusion bonded epoxy coating inside and outside

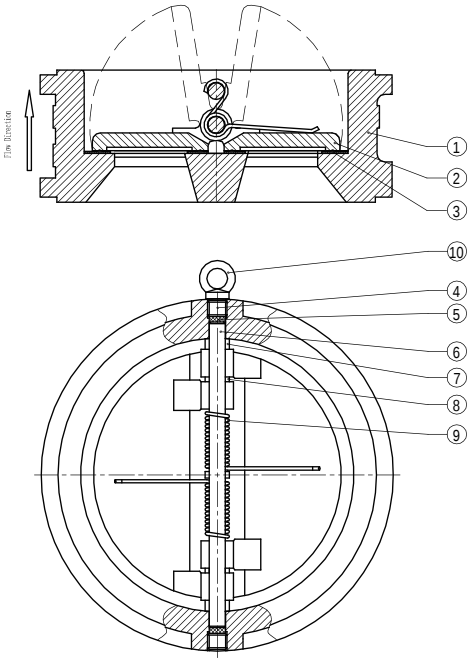
Main application

- Water supply systems
- Water treatment



Design temperature

- 0-80°C



Part List		
Item	Part Name	Material
1	Body	DUCTILE IRON
2	Disc	DUCTILE IRON
3	Seat	EPDM/NBR/VITON/PTFE
4	Screw	316SS
5	Sealing Gasket	EPDM
6	Shaft	316SS
7	Washer	PTFE
8	Washer	PTFE
9	Spring	316SS
10	Lifting Eye Bolts	CARBON STEEL

Note: Carbon steel, Stainless steel, DSS, SDSS for optional