

FIRE VALVES





ELEVATE FIRE SAFETY:
INTRODUCING SIBCA'S PREMIUM
FIRE VALVE SOLUTIONS

INTRODUCTION

SIBCA's range of fire valves are manufactured strictly to relevant International Standards. Fireproof valves and related gear from SIBCA are crucial in creating fire safety systems. The variety of valves and equipment reflects the complexity of designing these systems. They are designed to work well in the harsh conditions of fires, keeping people and property safe by giving firefighters the equipment they need to put out fires quickly.



GUARD
Fire Fighting Equipment Manufacturers

**OUR GOAL IS TO
ENHANCE GLOBAL
SAFETY**

To support SIBCA's vision of enhancing global safety, it has allotted a 40,000 square meter manufacturing facility with the state-of-the-art technology to meet global standards and requirements.

■ Focus on High Quality

SIBCA products have undergone rigorous certification and listing processes, receiving approval from esteemed organizations such as Underwriters Laboratories (UL) in the United States and the British Standards Institution (BSI) in Europe. Moreover, these products are manufactured adhering to stringent international quality and environmental management standards and requirements. This commitment ensures that SIBCA maintains consistently high levels of product excellence and sustainability throughout its manufacturing processes.

■ Cost Effective & Practical

SIBCA systems are pre-engineered and require minimal maintenance costs throughout certified product life. Their compact design makes them an ideal solution for even the most technically challenging projects.

■ Support & Expertise

SIBCA aligns its products with the latest information on fire engineering standards and applications, backed by worldwide support. SIBCA's extensive global distribution network consists of proficient and certified professionals who are prepared to handle the design, supply, installation, and maintenance of the complete range of SIBCA products.

GATE VALVES NON-RISING STEM (NRS)



Description

OS&Y Gate Valves are made with built-in safety as a primary detail. The wedge of the gate valves is made from rubber compound that is vulcanized. Due to which the durability is unquestionable as the rubber can regain its original shape. The OS&Y Gate Valve features a stuffing box seal system along with corrosion protection. The sturdy wedge along with double bonding vulcanization affirms the reliability of the valve.

Technical Specifications

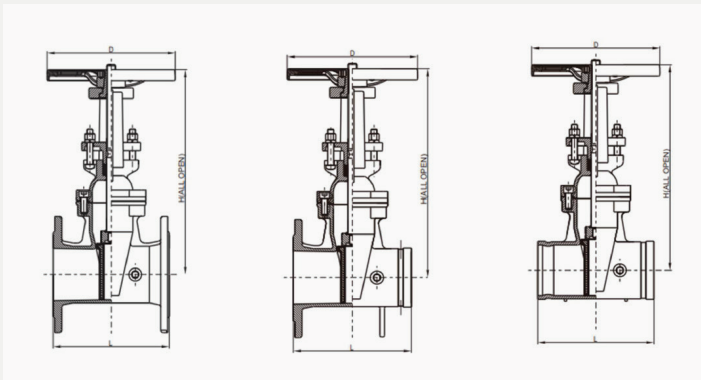
Brand	SIBCA
Approval	UL Listed / FM Approved
Design Standard	UL 262 / AWWA C515 / BS 5163
Working Pressure	200 / 250 / 300 / 365 PSI
Flange Ends	ANSI B16.1 Class125/150/250, EN1092-2 PN10/PN16/PN25

Material Specifications

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron EPDM Coated	A536 65-45-12
Wedge Nut	Stainless Steel	AISI 304
Stem	Stainless Steel	AISI 304 / 420
Bonnet	Ductile Iron	A536 65-45-12
Gasket	Graphite	Commercial
Packing	Graphite	Non-asbestos
Stem Nut	Bronze	ASTM B62
Hand wheel	Ductile Iron	A536 65-45-12

NRS gate valve is an alternate for supervised butterfly valves and OS&Y rising stem valves to be used as the cut off and zone control valves in the fire security systems. To prevent the risk of freeze, these valves are typically buried underground. To make them visually traceable in the systems, they are fitted with post indicators instead of handwheels. Valves could be on/off by using post indicators and the valve positions could be identified.

Dimensions



SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2"	3	4	5	6	8	10	12
L	mm	178	191	203	229	254	267	292	330	356
	inch	7	7.5	8	9	10	10.5	11.5	13	14
H	mm	411	411	462	514	629	709	922	1116	1300
	inch	16.18	16.18	18.19	20.24	24.76	27.91	36.30	43.94	51.18
D	mm	183	183	253	253	306	306	355	445	445
	inch	7.2	7.2	9.96	9.96	12.05	12.05	13.98	17.52	17.52

General Technical Information

Model	Size	Pressure Rating	End Configuration
GN-0368-FF	14, 16, 18"	250 PSI	Flange x Flange
GN-0368-FF	20, 24"	200 PSI	Flange x Flange
GN-0369-FF	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	200 PSI	Flange x Flange
GN-0369-FG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	200 PSI	Flange x Groove
GN-0369-GG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	200 PSI	Groove x Groove
GN-0371-FF	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	250 PSI	Flange x Flange
GN-0371-FG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	250 PSI	Flange x Groove
GN-0371-GG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	250 PSI	Groove x Groove
GN-0372-FF	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	300 PSI	Flange x Flange
GN-0372-FG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	300 PSI	Flange x Groove
GN-0372-GG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	300 PSI	Groove x Groove
GN-0373-FJ	3, 4, 6, 8, 10, 12"	200 PSI	Flange x Mechanical Joint
GN-0373-JJ	3, 4, 6, 8, 10, 12"	200 PSI	Mechanical Joint x Mechanical Joint
GN-0374-FJ	3, 4, 6, 8, 10, 12"	250 PSI	Flange x Mechanical Joint
GN-0374-JJ	3, 4, 6, 8, 10, 12"	250 PSI	Mechanical Joint x Mechanical Joint
GN-0375-FJ	3, 4, 6, 8, 10, 12"	300 PSI	Flange x Mechanical Joint
GN-0375-JJ	3, 4, 6, 8, 10, 12"	300 PSI	Mechanical Joint x Mechanical Joint
GN-0376-FF	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	365 PSI	Flange x Flange
GN-0376-FG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	365 PSI	Flange x Groove
GN-0376-FJ	3, 4, 6, 8, 10, 12"	365 PSI	Flange x Mechanical Joint
GN-0376-GG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	365 PSI	Groove x Groove
GN-0376-JJ	3, 4, 6, 8, 10, 12"	365 PSI	Mechanical Joint x Mechanical Joint

BUTTERFLY VALVE GROOVE



Technical Specifications

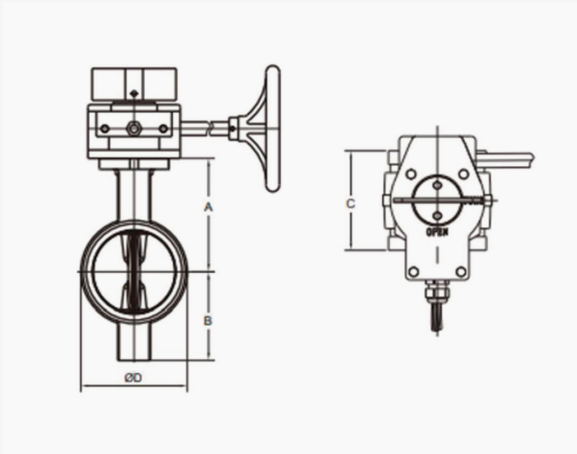
Brand	SIBCA
Approval	UL Listed / FM Approved
Design Standard	UL 1091
Working Pressure	200 / 250 / 300 PSI
Connection Ends	AWWA C606 / GB/T 8260, VDS2100/AS2638.2

General Technical Information

Model	Size	Pressure Rating	End Configuration
GN-0383	2, 2/5"	175 PSI	Groove
GN-0385	2-1/2, 76.1 mm, 3, 4, 139.7mm, 5, 165.1 mm, 6, 8, 10, 12"	200 / 250 / 300 PSI	Groove

Material Specifications

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Disc	Ductile Iron EPDM	ASTM B62 C83600
Upper & Lower Stems	Stainless Steel	AISI 410
Worn Gear Shaft	Stainless Steel	AISI 410
Housing	Cast Iron	A126 B
Handwheel	Ductile Iron	A536 65-45-12B
O-rings	EPDM Grade E	



Dimensions

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 ½"	3	4	5	6	8	10	12
A	mm	95	98	105	135	148	165	204	245	277.5
	inch	3.74	3.87	4.13	5.31	5.83	6.5	8.03	9.65	10.93
B	mm	78	78	85	105	128	140	170	205	258
	inch	3.07	3.07	3.35	4.13	5.04	5.51	6.69	8.07	10.16
C	mm	84.5	98	98	116	149	147.6	134	160	165
	inch	3.33	3.86	3.86	4.57	5.87	5.81	5.28	6.3	6.5
ØD	mm	72	88	98	127	156	185	235	292	323.85
	inch	2.83	3.46	3.86	5	6.14	7.28	9.25	11.49	12.75

Butterfly valve is from a family of valves called quarter-turn valves. In operation, the valve is fully open or closed when the disc is rotated a quarter turn. The “butterfly” is a metal disc mounted on a rod. When the valve is closed, the disc is turned so that it completely blocks off the passageway. When the valve is fully open, the disc is rotated a quarter turn so that it allows an almost unrestricted passage of the fluid. The valve may also be opened incrementally to throttle flow.

BUTTERFLY VALVE LUG



Technical Specifications

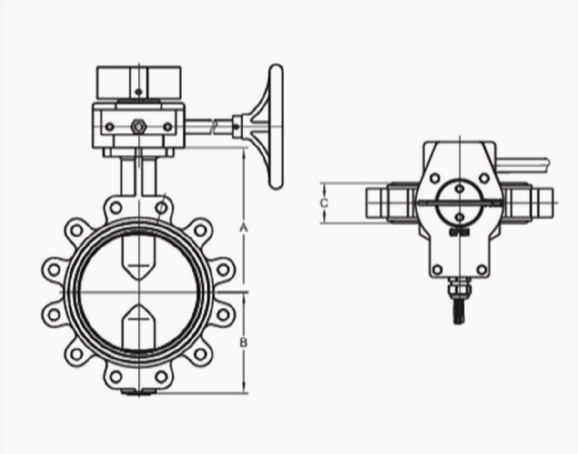
Brand	SIBCA
Approval	UL Listed / FM Approved
Design Standard	UL 1091
Working Pressure	200 / 250 / 300 PSI
Flange Ends	ANSI B16.1 Class125/150, EN1092-2 PN16

General Technical Information

Model	Size	Pressure Rating	End Configuration
GN-0386	2-1/2, 3, 4, 5, 6, 8, 10, 12"	200 / 250 / 300 PSI	Lug

Material Specifications

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Disc	Ductile Iron EPDM	ASTM B62 C83600
Upper & Lower Stems	Stainless Steel	AISI 410
Worn Gear Shaft	Stainless Steel	AISI 410
Housing	Cast Iron	A126 B
Handwheel	Ductile Iron	A536 65-45-12B
O-rings	EPDM Grade E	



Dimensions

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 ½"	3	4	5	6	8	10	12
A	mm	141	153	158	176	191	203	244	273	311
	inch	5.55	6.02	6.22	6.93	7.52	7.99	9.61	10.75	12.24
B	mm	78	78	85	105	128	140	170	205	258
	inch	3.07	3.07	3.35	4.13	5.04	5.51	6.69	8.07	10.16
C	mm	43	46	46	52	56	56	62	68	78
	inch	1.69	1.81	1.81	2.05	2.20	2.20	2.44	2.68	3.07

Butterfly valve is from a family of valves called quarter-turn valves. In operation, the valve is fully open or closed when the disc is rotated a quarter turn. The “butterfly” is a metal disc mounted on a rod. When the valve is closed, the disc is turned so that it completely blocks off the passageway. When the valve is fully open, the disc is rotated a quarter turn so that it allows an almost unrestricted passage of the fluid. The valve may also be opened incrementally to throttle flow.

BUTTERFLY VALVE WAFER



Technical Specifications

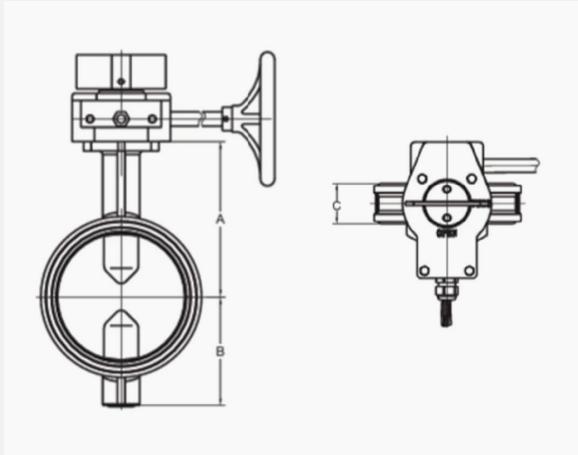
Brand	SIBCA
Approval	UL Listed / FM Approved
Design Standard	UL 1091
Working Pressure	200 / 250 / 300 PSI
Flange Ends	ANSI B16.1 Class125/150, EN1092-2 PN10/PN16/PN25

General Technical Information

Model	Size	Pressure Rating	End Configuration
GN-0387	2-1/2, 3, 4, 5, 6, 8, 10, 12"	200 / 250 / 300 PSI	Wafer

Material Specifications

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Disc	Ductile Iron EPDM Coated	ASTM B62 C83600
Upper & Lower Stems	Stainless Steel	AISI 410
Worn Gear Shaft	Stainless Steel	AISI 410
Housing	Cast Iron	A126 B
Handwheel	Ductile Iron	A536 65-45-12B
O-rings	EPDM Grade E	



Dimensions

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 ½"	3	4	5	6	8	10	12
A	mm	141	153	158	176	191	203	244	273	311
	inch	5.55	6.02	6.22	6.93	7.52	7.99	9.61	10.75	12.24
B	mm	78	78	85	105	128	140	170	205	258
	inch	3.07	3.07	3.35	4.13	5.04	5.51	6.69	8.07	10.16
C	mm	43	46	46	52	56	56	62	68	78
	inch	1.69	1.81	1.81	2.05	2.20	2.20	2.44	2.68	3.07

Butterfly valve is from a family of valves called quarter-turn valves. In operation, the valve is fully open or closed when the disc is rotated a quarter turn. The “butterfly” is a metal disc mounted on a rod. When the valve is closed, the disc is turned so that it completely blocks off the passageway. When the valve is fully open, the disc is rotated a quarter turn so that it allows an almost unrestricted passage of the fluid. The valve may also be opened incrementally to throttle flow.

SWING CHECK VALVES GROOVE

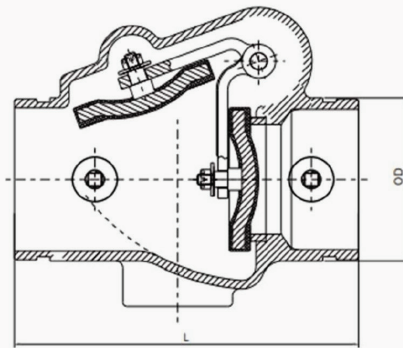


Technical Specifications

Brand	SIBCA
Approval	UL Listed / FM Approved
Design Standard	UL 312
Working Pressure	200 / 250 / 300 / 365 PSI
Connection Ends	AWWA C 606, VDS2100/AS2638.2
Valve Seat Facing	Elastomeric
Installation Position	Horizontal, Vertical

General Technical Information

Model	Size	Pressure Rating	End Configuration
GN-0390	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	200 PSI	Groove x Groove
GN-0391	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	250 PSI	Groove x Groove
GN-0392	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	300 PSI	Groove x Groove
GN-0393	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	365 PSI	Groove x Groove



Material Specifications

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Seat	Bronze	ASTM B62 C83600
Clapper		Q235+SS304+EPDM
Clapper Arm	Stainless Steel	ASTM A351 CF8
Washer	Stainless Steel	AISI 304
Hexagonal Slot Thin Nut	Stainless Steel	AISI 304
Split Pin	Stainless Steel	AISI 304

Dimensions

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2"	3	4	5	6	8	10	12
L	mm	169	203	213	245	267	292	356	432	495
OD	mm	60.3	73	88.9	114.3	139.7	165.1	219.1	273	323.85

Swing check valve is mounted with a disc that swings on a hinge or shaft. The disc swings off the seat to allow forward flow and when the flow is stopped, the disc swings back onto the seat to block reverse flow.

SWING CHECK VALVES FLANGE

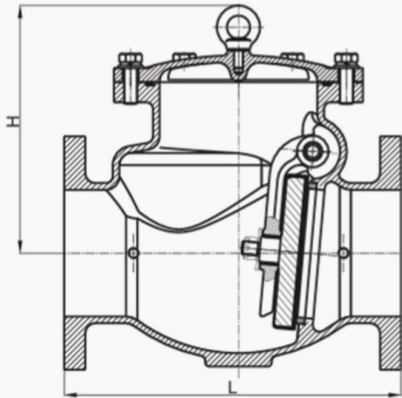


Technical Specifications

Brand	SIBCA
Approval	UL Listed / FM Approved
Design Standard	UL 312
Working Pressure	300 PSI
Connection Ends	ANSI B16.1 Class125/150/250, EN1092-2 PN10/PN16/PN25
Valve Seat Facing	Elastomeric
Installation Position	Horizontal, Vertical

General Technical Information

Model	Size	Pressure Rating	End Configuration
GN-0399	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	300 PSI	Flange x Flange



Material Specifications

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Cover	Ductile Iron	A536 65-45-12
Clapper	Carbon Steel	A36+SS304+EPDM
Clapper Arm	Ductile Iron	A536 65-45-12
Hinge Pin	Stainless Steel	AISI 304
Seat	Bronze	ASTM C84400

Dimensions

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 ½"	3	4	5	6	8	10	12
L	mm	203	254	279	330	356	406	495	559	660
	inch	8	10	11	13	14	16	19.5	22	26
H	mm	117	128	132.5	222.5	290	297	365	417.5	453
	inch	4.61	5.04	5.22	8.76	11.42	11.69	14.37	16.44	17.83

Swing check valve is mounted with a disc that swings on a hinge or shaft. The disc swings off the seat to allow forward flow and when the flow is stopped, the disc swings back onto the seat to block reverse flow.

VALVES CHECK



Description

Check valves are very suitable for use in fire protection systems like sprinkler systems, fire pump systems, etc. The provided internal spring makes the disc operation smooth and provides a non-slam closure.

Technical Specifications

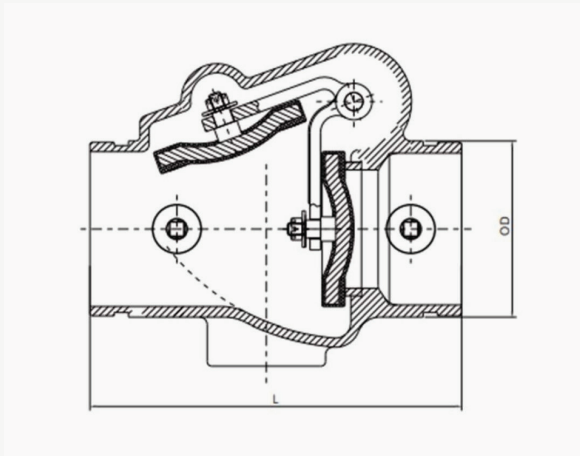
Brand	SIBCA
Approval	UL Listed / FM Approved
Design Standard	UL 312
Working Pressure	200 / 250 / 300 / 365 PSI
Connection Ends	AWWA C 606, VDS2100/AS2638.2
Valve Seat Facing	Elastomeric
Installation Position	Horizontal, Vertical

General Technical Information

Model	Size	Pressure Rating	End Configuration
GN-0390	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	200 PSI	Groove x Groove
GN-0391	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	250 PSI	Groove x Groove
GN-0392	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	300 PSI	Groove x Groove
GN-0393	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	365 PSI	Groove x Groove

Material Specifications

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Seat	Bronze	ASTM B62 C83600
Clapper		Q235+SS304+EPDM
Clapper Arm	Stainless Steel	ASTM A351 CF8
Washer	Stainless Steel	AISI 304
Hexagonal Slot Thin Nut	Stainless Steel	AISI 304
Split Pin	Stainless Steel	AISI 304



Dimensions

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 ½"	3	4	5	6	8	10	12
L	mm	169	203	213	245	267	292	356	432	495
OD	mm	60.3	73	88.9	114.3	139.7	165.1	219.1	273	323.85



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