

Technical Specification

Model	: GI0461, GI0462, GI0463, GI0464
Brand	: SIBCA
Approval	: UL Listed/FM Approved
Design Standard	: UL 193
Body Type	: Globe
Maximum Rated Pressure	: 300 PSI
Working Temperature	: 4°C to 70°C
End Configuration	: Groove, Flange, Flange by Groove, Groove by Flange
Flange Standard	: ASME/ANSI B16.1 Class 125, ASME/ANSI B16.42 Class 150, BSEN 10922 PN16
Groove Standard	: AWWA C606/ISO 618212
Installation	: Vertical
Size	: 50mm, 65mm, 80mm, 100mm, 125mm, 150mm, 200mm, 250mm, 300mm



Product Description

These automatic alarm valves intended for use in automatic wet-pipe sprinkler systems. Valves may be installed without a retarding chamber when steady pressures exist, and with a retarding chamber when variable supply pressures exist. Unless otherwise indicated in the individual certifications, these alarm valves may be installed either vertically or horizontally. These valves are provided with either a pressure switch (electric circuit closer) for initiating electrical alarms, or water motor and gong for mechanical alarms, or both.

These valves are provided by the manufacturer with all the necessary trim accessories (e.g., shutoff valves, drains, fittings) and assembly drawings. The valves are required to be installed as specified by the individual manufacturer's installation instruction.

Requirements for the installation and use of these valves are included in NFPA 13, "Installation of Sprinkler Systems."

Care & Maintenance

1. Clean the dirt and foreign matters attached on the rubber seal surface of the valve disc. Generally, the service life of the rubber seal is no more than eighteen months. Replace the seals in time if they are worn out or aging.
2. Clean the dirt and foreign matters from the small holes and seal surface in the groove of the valve disc seals. Be careful not to scratch the surface and keep the small holes unobstructed. If the seal surface can't be repaired, replace it with new one.
3. Clean the blockage in the filter of the alarm valve instrument timely and keep the pipeline unblocked.
4. Check and clean the dirt in the delayer, and be sure that the small throttle holes will not be blocked by foreign matters.
5. Check the water motor alarm every three months:

Step 1: Turn on the alarm bell to check whether its sound is loud, immediately remove any trouble found.

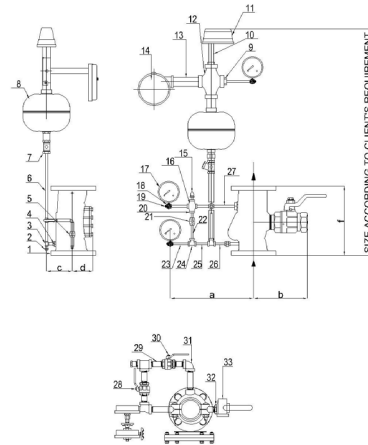
Step 2: Remove the alarm shell and clear up the dirt and the sediment in the alarm, then reassemble the alarm shell and gaskets in turn.

Step 3: Remove the leaking joint from the water-wheel and clear up the dirt in it.

6. Check the pressure switch periodically (its recommended to test every three months or more frequently).

Material Specification

No	Part Name	Qty	Material	Specification
1	Alarm Valve	1	Ductile Iron	ASTM A536 Grade 654512
2	Orifice, Retard	1	C954	ASTM B148
3	Tee	2	SS304	ASTM A276
4	Nipple	6	SS304	ASTM A276
5	Union	1	SS304	ASTM A276
6	Nipple	1	SS304 / Steel	ASTM A276 / 1045
7	Y Stainer	1	SS304	ASTM A276
8	Retard Chamber	1	Steel	1045, ASTM 1045
9	Reducer Bushing	1	SS304	ASTM A276
10	Reducer Bushing	1	SS304	ASTM A276
11	Pressure Switch	1	ZSJY 1.6BP	Assembly
12	Cross	1	SS304	ASTM A276
13	Nipple	1	SS304 / Steel	ASTM A276 / 1045, ASTM A29
14	Gong Assembly	1	MHSLJL00	Assembly
15	Plug	1	SS304 / C954	ASTM A276 / 1045, ASTM B148
16	Cross	2	SS304	ASTM A276
17	Pressure Gauge	3	PFE00A 600PSI	Assembly
18	3 Way Valve Gauge	3	C954	ASTM B148
19	Plug	3	Steel / C954	ASTM 1045 A276 / B148
20	Orifice, Retard	1	C954	ASTM B148
21	Check Valve	1	SS304	ASTM A276
22	Nipple	1	SS304 / Steel	ASTM A276 / 1045, ASTM A29
23	Nipple	3	SS304 / Steel	ASTM A276 / 1045, ASTM A29
24	Tee	2	SS304	ASTM A276
25	Nipple	4	SS304 / Steel	ASTM A276 / 1045, ASTM A29
26	Nipple	1	SS304 / Steel	ASTM A276 / 1045, ASTM A29
27	Nipple	1	SS304 / Steel	ASTM A276 / 1045, ASTM A29
28	Ball Valve	1	SS304	ASTM A276
29	Nipple	1	SS304 / Steel	ASTM A276 / 1045, ASTM A29
30	Ball Valve	1	SS304	ASTM A276
31	Elbow	2	SS304	ASTM A276
32	Nipple	1	SS304	ASTM A276
33	Ball Valve	1	SS304	ASTM A276



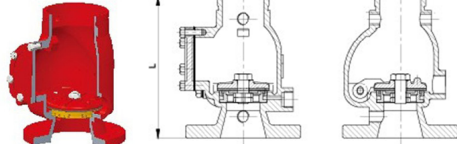
Dimensions

Size (mm)	a (mm)	b (mm)	c (mm)	d (mm)
50	340	205	145	110
65	340	205	145	110
80	340	205	145	110
100	342	250	160	136
125	349	274	180	162
150	349	274	180	162
200	415	290	205	195
250	475	340	240	235
300	495	368	270	270

General Technical Information

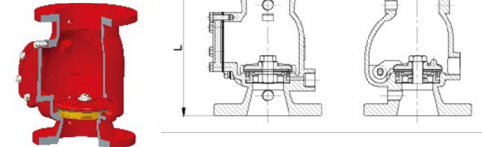
Size (mm)	L
50	239
65	240
80	245
100	316
125	386
150	390
200	438
250	535
300	622

Groove*Flange



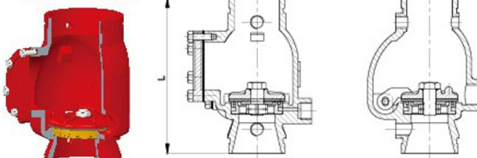
Size (mm)	L
50	233
65	236
80	245
100	316
125	386
150	390
200	438
250	535
300	622

Flange*Flange



Size (mm)	L
50	245
65	245
80	245
100	316
125	386
150	390
200	438
250	535
300	622

Groove*Groove



Size (mm)	L
50	239
65	240
80	245
100	316
125	386
150	390
200	438
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Flange*Groove

