



FM UL
SUPERVISORY SWITCH
BUTTERFLY VALVE



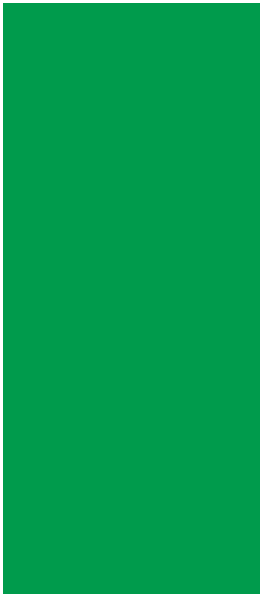
| ABOUT GALA

Gala RS INC., established in 2012 in Texas, USA, has now become a multinational corporation and an outstanding manufacturer devoted to providing innovative and reliable system solutions in diversified markets, like Water Utilities, Building Services, Firefighting, Marine, etc. With our customized design, larger than 25-acre production facility, more than 500 employees, we are ready to take part in global cooperation and competition in a larger scale and deeper extent.

“Quality first, Brand Goes to Glory”, with our dedicated job and constantly improvement, we hope to become your first and most reliable choice. At the meantime, it would be more than glory if we can make your job more energy-saving and make the world a bit better.

WHOLE PROCESS HIGH EFFICIENCY LEAN PRODUCTION

Galaxy possesses the whole industrial chain production modules necessary for valve production.

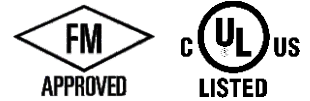


HIGH STANDARD STRICT CONTROL INTERNATIONAL QUALITY

Galaxy Valve has established five modern laboratories to greatly guarantee the product's quality reliability.



Wafer Butterfly Valve with Signal Gear Box Fig.25W



DN50-DN150

DN200-DN300

Descriptions

GALA Model 25W wafer butterfly valve is the gear operated fitted with visual indicator and supervisory switch. Model 25W butterfly valves are suitable for installation between two flanges which have universal design and can be connected between ASME B16.42 Class150/BS EN 1092-2. Model 25W is listed for 200psi/250psi/300psi.

Valve gear is fitted with two internal switches with SPDT contact to supervise valve open or closed position. Model 25W offer minimum flow restriction and pressure loss when used in the fully open position.

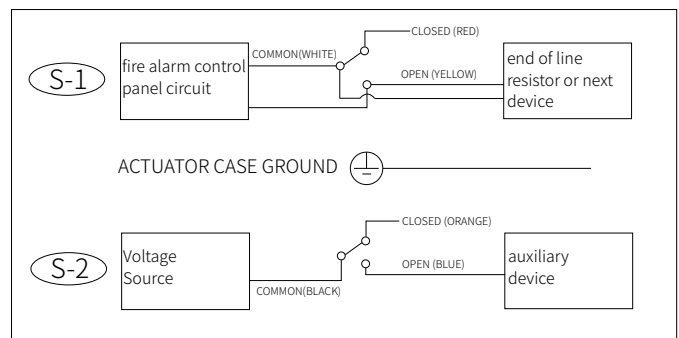
Technical Specification

Design Standard: FM1112,UL1091
 Face-to-faceStandard: ISO5752
 Test Standard: FM1112, UL1091
 Connection Standard: BS EN1092-2
 ASME B16.42 Class150
 Working Pressure: 300/250/200psi
 Working Temperature: -10C to 120 °C

Features

- Robust valve body in ductile iron
- Fully encapsulated valve plate
- Fusion bonded epoxy power coating comply with ANSI/AWWA C550
- FM approved and UL/CUL listed for used in fire protection system
- Remote electrical position indicator with two separate micro switches

Wire Diagram



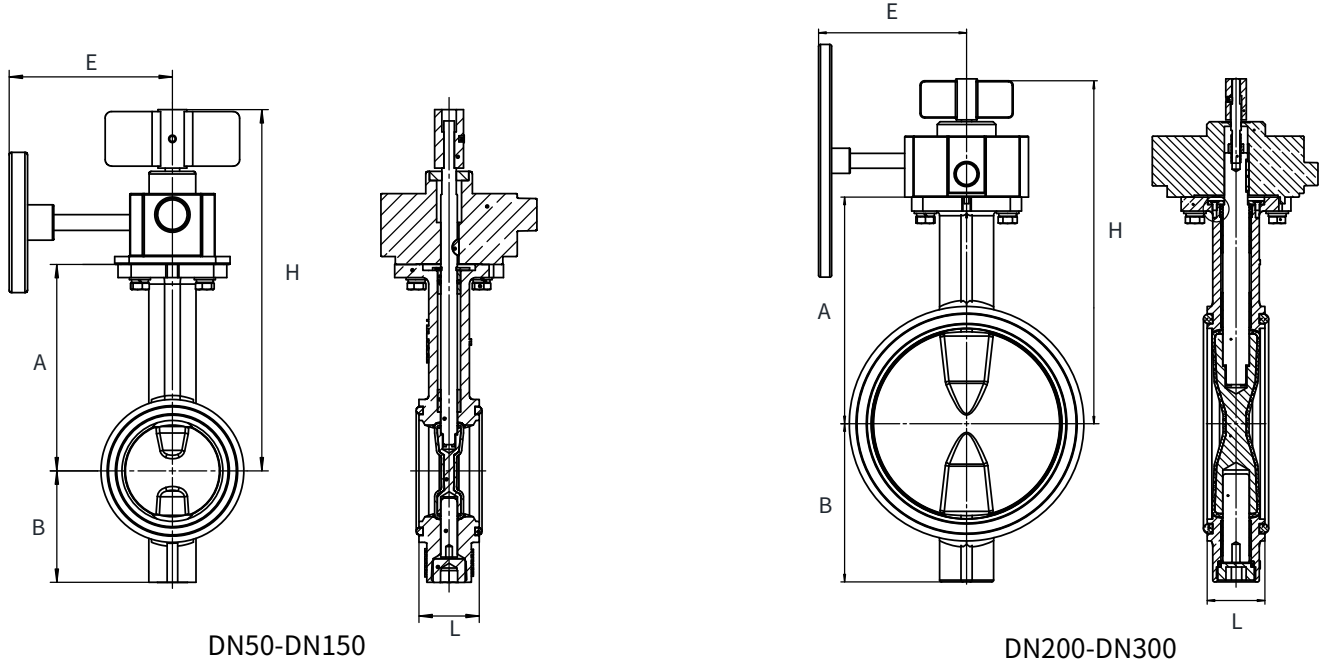
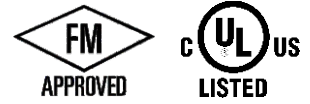
(Valve Fully Open)

Switch1 (S-1): For connection to supervisory circuit of a alarm control panel.

Switch2 (S-2): Auxiliary switch for connection to a local device.

Wafer Butterfly Valve with Signal Gear Box

Fig.25W



Materials

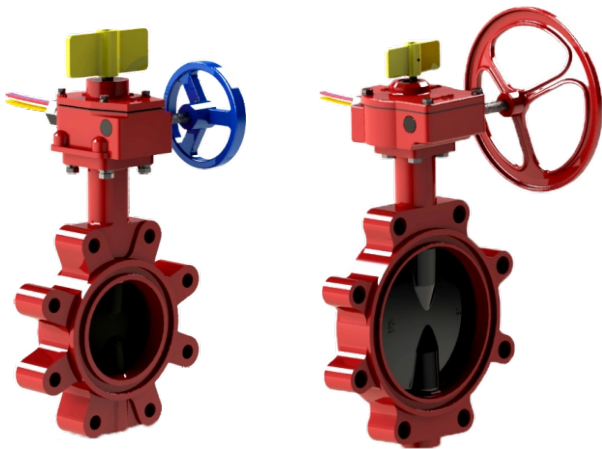
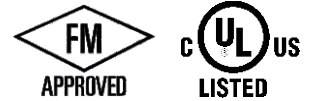
Part	Material	Specification
Body	Ductile Iron	ASTM A536
Disc	EPDM Fully Encapsulated Ductile Iron	ASTM A536+EPDM
Shaft (Upper/Lower)	Stainless Steel	ANSI SS410
O-Ring	EPDM	-
Bushing	Bronze	ASTM B150M C63000
Gland	Galvanized Carbon Steel Surface Passivation	
Washer	Galvanized Carbon Steel Surface Passivation	
Plug	Galvanized Carbon Steel Surface Passivation	
Gear Box Housing	Ductile Iron	ASTM A536
Gear Box Fasteners	Galvanized Carbon Steel Surface Passivation	

Dimensions (mm)

	A	B	L	E	H
DN 50	140.5	72	43	125	258.6
DN 65	152.5	78	46	125	270.6
DN 80	157.5	85	46	125	275.6
DN 100	176	105	52	125	294
DN 125	191	128	56	140	312
DN 150	202.5	140	56	140	322.6
DN 200	243.5	170	62	159	345.5
DN 250	273	205	68	159	401
DN 300	311	258	78	228	437

Subject to change without notice due to continuing products development.

Lugged Butterfly Valve with Signal Gear Box Fig.25L



DN50-DN150

DN200-DN300

Descriptions

GALA Model 25L lugged butterfly valve is the gear operated fitted with visual indicator and supervisory switch. Model 25L butterfly valves are suitable for installation between two flanges and can be connected between ASME B16.42 Class150/BS EN 1092-2. Model 25L is listed for 200psi/250psi/300psi. Valve gear is fitted with two internal switches with SPDT contact to supervise valve open or closed position. Model 25L offer minimum flow restriction and pressure loss when used in the fully open position.

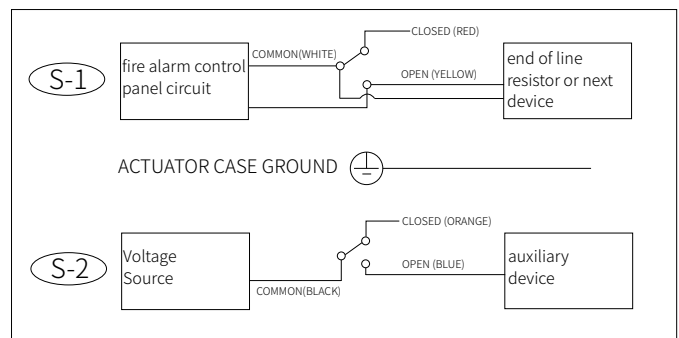
Features

- Robust valve body in ductile iron
- Fully encapsulated valve plate
- Fusion bonded epoxy power coating comply with ANSI/AWWA C550
- FM approved and UL/CUL listed for used in fire protection system
- Remote electrical position indicator with two separate micro switches

Technical Specification

Design Standard: FM1112,UL1091
 Face-to-faceStandard: ISO5752
 Test Standard: FM1112, UL1091
 Connection Standard: BS EN1092-2
 ASME B16.42 Class150
 Working Pressure: 300/250/200psi
 Working Temperature: -10C to 120 °C

Wire Diagram



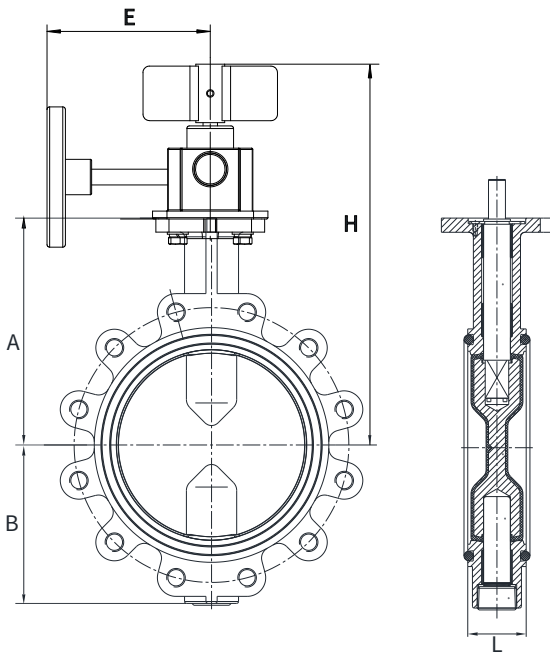
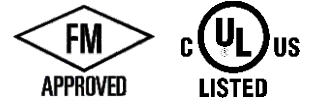
(Valve Fully Open)

Switch1 (S-1): For connection to supervisory circuit of a alarm control panel.

Switch2 (S-2): Auxiliary switch for connection to a local device.

Lugged Butterfly Valve with Signal Gear Box

Fig.25L



Materials

Part	Material	Specification
Body	Ductile Iron	ASTM A536
Disc	EPDM Fully Encapsulated Ductile Iron	ASTM A536+EPDM
Shaft (Upper/Lower)	Stainless Steel	ANSI SS410
O-Ring	EPDM	-
Bushing	Bronze	ASTM B150M C63000
Gland	Galvanized Carbon Steel Surface Passivation	
Washer	Galvanized Carbon Steel Surface Passivation	
Plug	Galvanized Carbon Steel Surface Passivation	
Gear Box Housing	Ductile Iron	ASTM A536
Gear Box Fasteners	Galvanized Carbon Steel Surface Passivation	

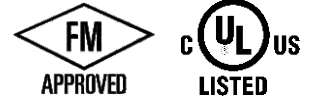
Dimensions (mm)

	A	B	L	E	H
DN 50	140.5	78	43	125	258.6
DN 65	152.5	78	46	125	270.6
DN 80	157.5	85	46	125	275.6
DN 100	176	105	52	125	294
DN 125	191	128	56	140	312
DN 150	202.5	140	56	140	322.6
DN 200	243.5	170	62	159	345.5
DN 250	273	205	68	159	401
DN 300	311	258	78	228	437

Subject to change without notice due to continuing products development.

Grooved Butterfly Valve with Signal Gear Box

Fig.25GG



DN50-DN150

DN200-DN300

Descriptions

GALA Model 25GG grooved butterfly valve is the gear operated fitted with visual indicator and supervisory switch. Model 25GG butterfly valves are suitable for installation in AWWA C606 grooved end pipeline.

Model 25GG is listed for 200psi/250psi/300psi. Valve gear is fitted with two internal switches with SPDT contact to supervise valve open or closed position. Model 25GG offer minimum flow restriction and pressure loss when used in the fully open position.

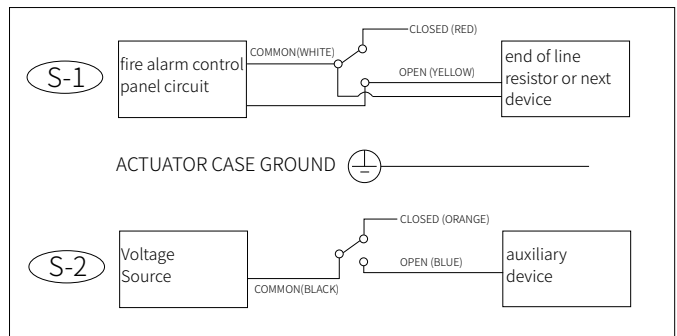
Features

- Robust valve body in ductile iron
- Fully encapsulated valve disc
- Fusion bonded epoxy power coating comply with ANSI/AWWA C550
- FM approved and UL/CUL listed for used in fire protection system
- Remote electrical position indicator with two separate micro switches

Technical Specification

- Design Standard: FM1112,UL1091
- Face-to-faceStandard: MSS-SP67 Long
- Test Standard: FM1112, UL1091
- Connection Standard: AWWA C606
- Working Pressure: 300/250/200psi
- Working Temperature: -10C to 120 °C

Wire Diagram



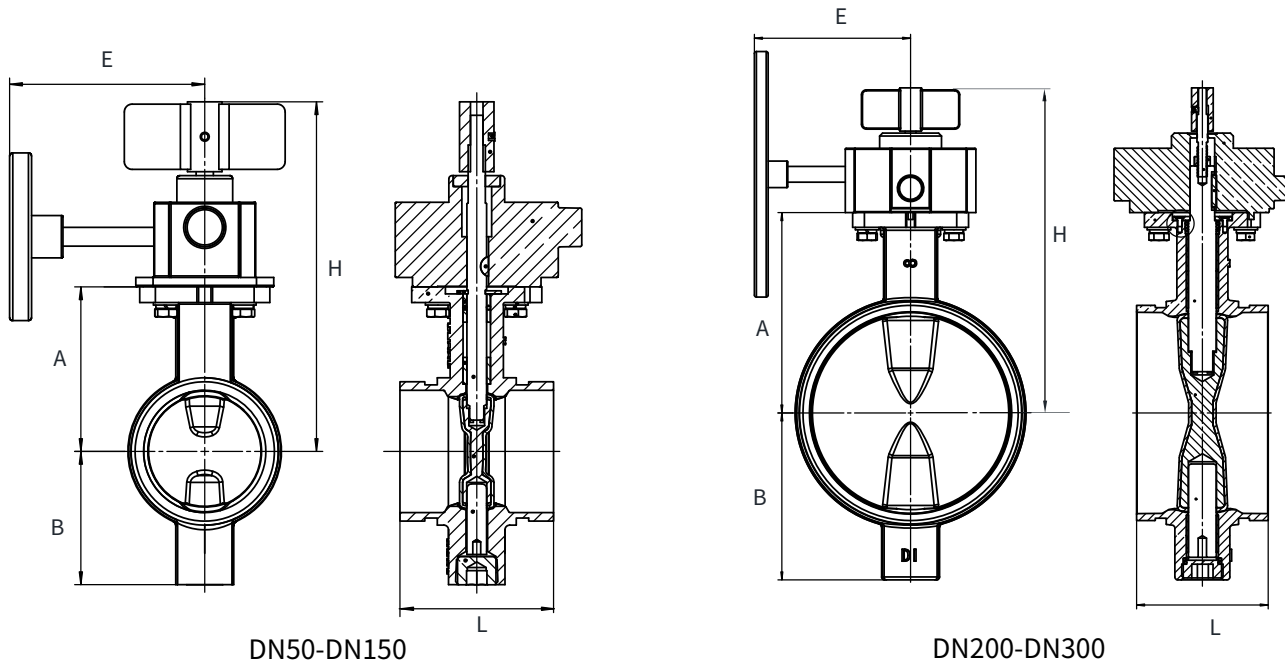
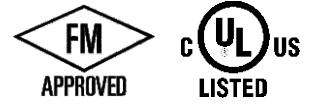
(Valve Fully Open)

Switch1 (S-1): For connection to supervisory circuit of a alarm control panel.

Switch2 (S-2): Auxiliary switch for connection to a local device.

Grooved Butterfly Valve with Signal Gear Box

Fig.25GG



Materials

Part	Material	Specification
Body	Ductile Iron	ASTM A536
Disc	EPDM Fully Encapsulated Ductile Iron	ASTM A536+EPDM
Shaft (Upper/Lower)	Stainless Steel	ANSI SS410
O-Ring	EPDM	-
Bushing	Bronze	ASTM B150M C63000
Gland	Galvanized Carbon Steel Surface Passivation	
Washer	Galvanized Carbon Steel Surface Passivation	
Plug	Galvanized Carbon Steel Surface Passivation	
Gear Box Housing	Ductile Iron	ASTM A536
Gear Box Fasteners	Galvanized Carbon Steel Surface Passivation	

Dimensions (mm)

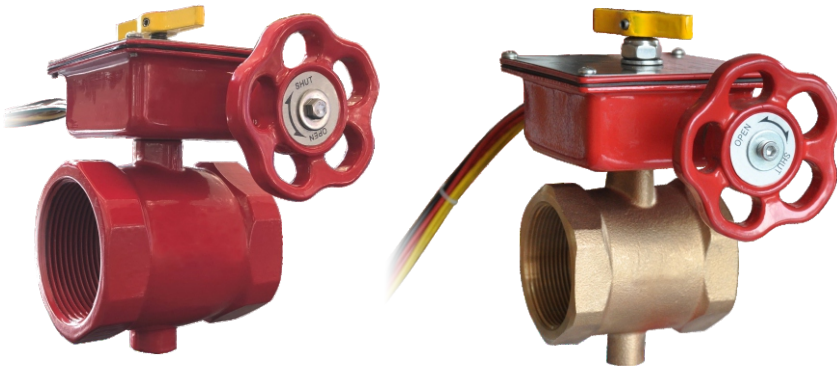
	A	B	E	H	L
DN 50	95	72	125	213	84.5
DN 65	98	78	125	216	98
DN 80	105	85	125	223	98
DN 100	135	105	125	253	116
DN 125	148	128	140	269	149
DN 150	165	140	140	285	147.6
DN 200	204	170	159	325	134
DN 250	245	205	159	373	160
DN 300	277.5	258.3	228	403.5	165

Subject to change without notice due to continuing products development.

Threaded Butterfly Valve with Signal Gear Box

Fig.20T (Ductile Iron Body)

Fig.22T (Bronze Body)



Descriptions

GALA Model 20T/22T small size resilient seated butterfly valves are indication valves which are designed for use in fire protection systems as the supervision of valve open or closure position is required. The valves can be installed in any orientation on a pipe line. 20T/22T are in DN25 (1")/DN32(1-1/4")/DN40(1-1/2")/DN50(2")/DN65(2-1/2") with NPT/BSPT threaded end connections. Both bronze and ductile iron material are available for valve body. Valves are listed for 175psi working pressure.

The valves have an integral supervisory tamper switch assembly for indoor and outdoor use. The switch will operate within two(2) full turns of the hand wheel from the fully open position. The valves with internal switches can be easily wired in the field. There are two switches, switch 1 has dual leads on the terminals and is to be connected to the supervisory circuit of a listed alarm control panel, switch 2 has a single lead and may be connected to auxiliary equipment per director of the local authority having jurisdiction.

Technical Specification

Design Standard: FM1112,UL1091

Uses: Indoor and Outdoor

Connection Standard: ASME B1.20.1 NPT
EN10226-1 BSPT

Working Pressure: 175psi

Working Temperature: -20°C to 110 °C

Features

Robust valve body in ductile iron/bronze

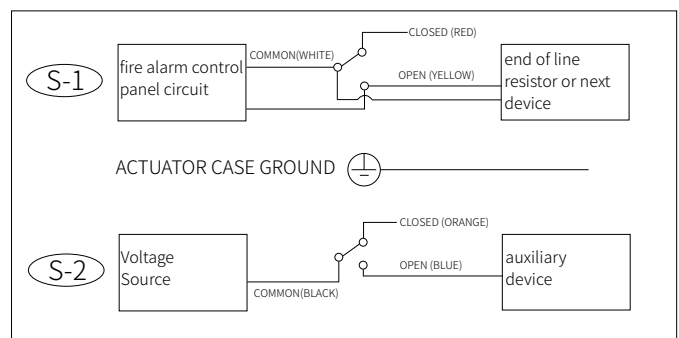
Fully encapsulated valve disc

Fusion bonded epoxy power coating comply with ANSI/AWWA C550 (20T)

FM approved and UL/CUL listed for used in fire protection system

Remote electrical position indicator with two separate micro switches

Wire Diagram



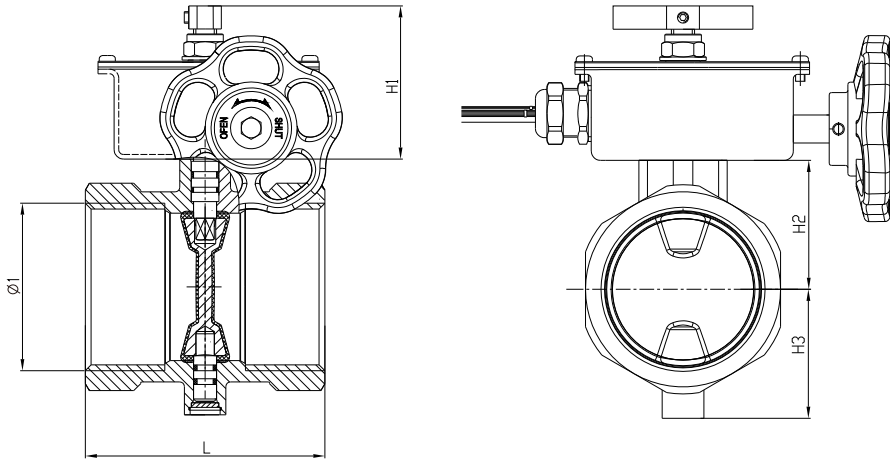
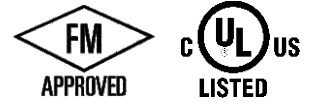
(Valve Fully Open)

Switch1 (S-1): For connection to supervisory circuit of a alarm control panel.

Switch2 (S-2): Auxiliary switch for connection to a local device.

For outdoor installation, please be aware of the weather condition. It's necessary to use weatherproof components to ensure the normal function of the internal switches. Wiring of the tamper switch must be in accordance with NFPA72 and requirements of the local authorities.

Threaded Butterfly Valve with Signal Gear Box
Fig.20T (Ductile Iron Body)
Fig.22T (Bronze Body)



Materials

Part	Material	Specification
Body (20T)	Ductile Iron	ASTM A536
Body (22T)	Bronze	ASTM B62 C83600
Disc	EPDM Fully Encapsulated Ductile Iron	ASTM A536+EPDM
Shaft (Upper/Lower)	Stainless Steel	ANSI SS630
O-Ring	EPDM	-
Gasket	Stainless Steel	AISI 304
Gear Box Housing	Ductile Iron	ASTM A536

Dimensions (mm)

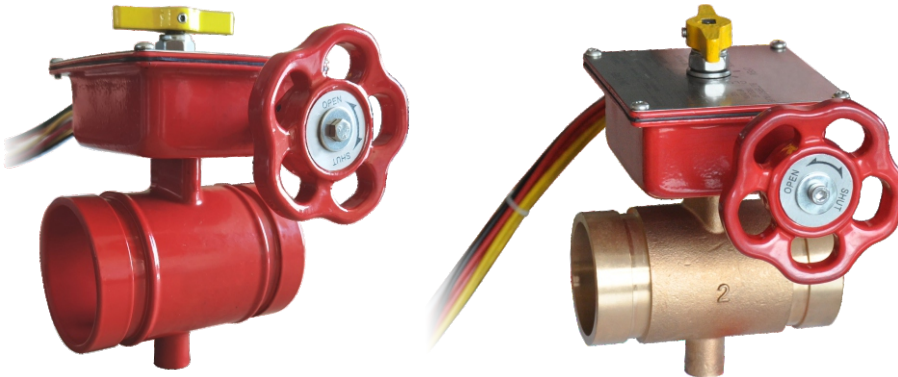
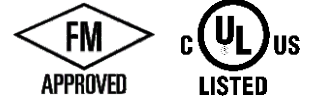
DN	INCH	L	H1	Ø1	H2	H3
DN 25	1"	54	66.5	1" NPT	37	29
DN 32	1-1/4"	67	66.5	1-1/4" NPT	41	35
DN 40	1-1/2"	73	66.5	1-1/2" NPT	44	41
DN 50	2"	82.4	66.5	2" NPT	50	50
DN 65	2-1/2"	104	66.5	2-1/2" NPT	55.5	55.5

Subject to change without notice due to continuing products development.

Grooved Butterfly Valve with Signal Gear Box

Fig.20GG (Ductile Iron Body)

Fig.22G (Bronze Body)



Descriptions

GALA Model 20GG/22G small size resilient seated butterfly valves are indication valves which are designed for use in fire protection systems as the supervision of valve open or closure position is required. The valves can be installed in any orientation on a pipe line. 20GG/22G are in DN50 (2") /DN65 (2-1/2") with grooved end connections. Both bronze and ductile iron material are available for valve body. Valves are listed for 175psi working pressure.

The valves have an integral supervisory tamper switch assembly for indoor and outdoor use. The switch will operate within two(2) full turns of the hand wheel from the fully open position. The valves with internal switches can be easily wired in the field. There are two switches, switch 1 has dual leads on the terminals and is to be connected to the supervisory circuit of a listed alarm control panel, switch 2 has a single lead and may be connected to auxiliary equipment per director of the local authority having jurisdiction.

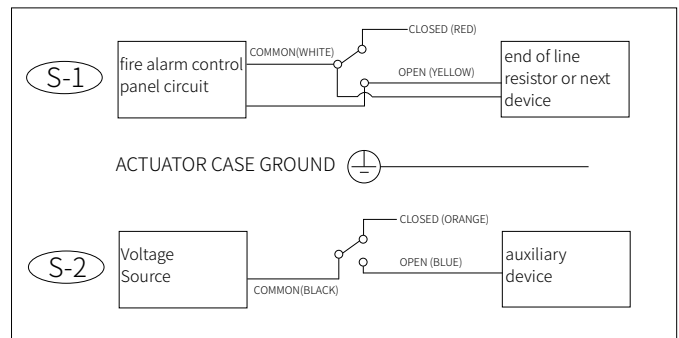
Technical Specification

Design Standard: FM1112,UL1091
 Uses: Indoor and Outdoor
 Connection Standard: AWWA C606
 Working Pressure: 175psi
 Working Temperature: -20C to 110 °C

Features

- Robust valve body in ductile iron/bronze
- Fully encapsulated valve disc
- Fusion bonded epoxy power coating comply with ANSI/AWWA C550 (20GG)
- FM approved and UL/CUL listed for used in fire protection system
- Remote electrical position indicator with two separate micro switches

Wire Diagram



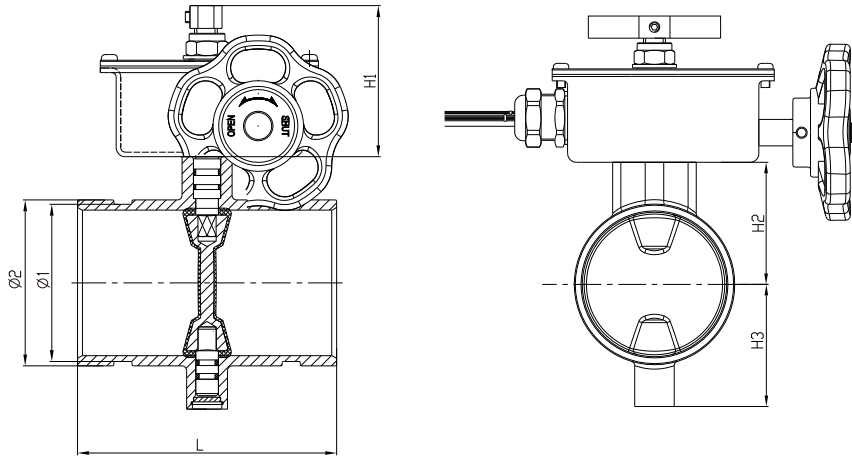
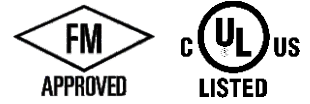
(Valve Fully Open)

Switch1 (S-1): For connection to supervisory circuit of a alarm control panel.

Switch2 (S-2): Auxiliary switch for connection to a local device.

For outdoor installation, please be aware of the weather condition. It's necessary to use weatherproof components to ensure the normal function of the internal switches. Wiring of the tamper switch must be in accordance with NFPA72 and requirements of the local authorities.

Grooved Butterfly Valve with Signal Gear Box
Fig.20GG (Ductile Iron Body)
Fig.22G (Bronze Body)



Materials

Part	Material	Specification
Body (20GG)	Ductile Iron	ASTM A536
Body (22G)	Bronze	ASTM B62 C83600
Disc	EPDM Fully Encapsulated Ductile Iron	ASTM A536+EPDM
Shaft (Upper/Lower)	Stainless Steel	ANSI SS630
O-Ring	EPDM	-
Gasket	Stainless Steel	AISI 304
Gear Box Housing	Ductile Iron	ASTM A536

Dimensions (mm)

DN	INCH	L	H1	φ1	φ2	H2	H3
DN 50	2"	114	66.5	57.15	60.3	50	50
DN 65	2-1/2"	114	66.5	69.1	73	55.5	55.5



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