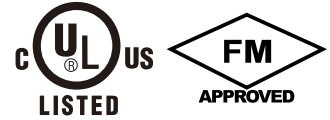


Butterfly Valve

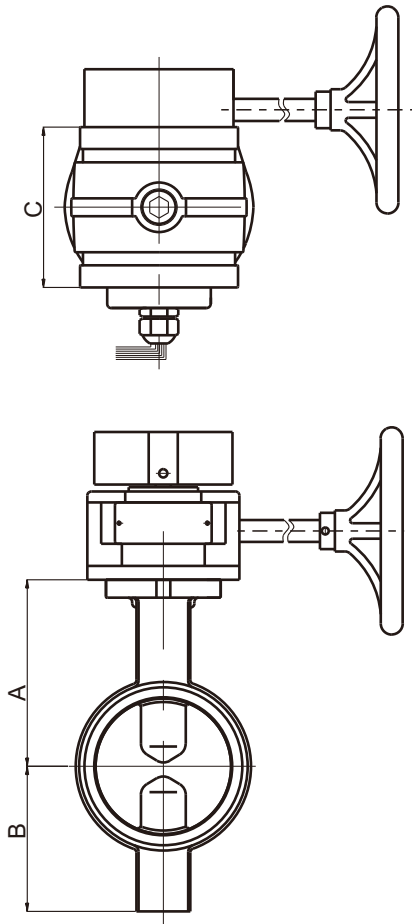
Resilient Seated Grooved Ends

Fig. 20GG-300



Working pressure
300PSI

Flanged Ends
AWWA C606



Materials List

Component	Material	Specification
Body	Ductile Iron	A536 65-45-12 Polymide Coated
Disc	Ductile Iron EPDM Coated	
Upper&Lower Stems	Stainless Steel	AISI 410
Worm Gear Shaft	Stainless Steel	AISI 410
Housing	Cast Iron	A126 B
Hand Wheel	Cast Iron	A126 B
Flag indicator	Cast Iron	A126 B
Segment Gear	Bronze	ASTM B62
Housing Gasket	EPDM Grade"E"	
O-Rings(All)	EPDM Grade"E"	

Dimensions(mm/inch)

SIZE	mm	65	80	100	125	150	200	250
	inch	2 ¹ / ₂	3	4	5	6	8	10
A	mm	96	105	135	148	165	204	245
	inch	3.78	4.13	5.31	5.83	6.50	8.03	9.65
B	mm	75	90	110	127	145	175	210
	inch	2.95	3.54	4.33	5.00	5.71	6.89	8.27
C	mm	98	98	116	149	149	134	160
	inch	3.86	3.86	4.57	5.87	5.87	5.28	6.30
OD	mm	73.0/76.1	88.9	114.3	139.7/141.3	165.1/168.3	219.1	273
	inch	2.87/3	3.50	4.50	5.5/5.56	6.5/6.63	8.63	10.75

Factory installed UL, listed double Tamper
Switches For indoor and Outdoor Use.

Signal Gearbox

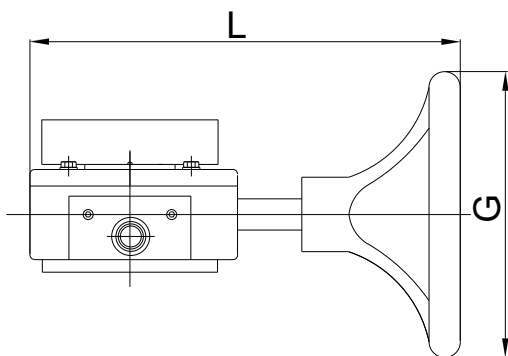


Note:

Specification of BFV with limit Switch

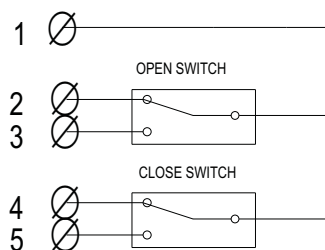
1. Indicator light is bright when valve is open fully; Control room give an alarm and indicator light 24V is put out when valve is close to 20° direction.

2. There are two switch in gear box ,one controls indicator light and the other connects to control room.

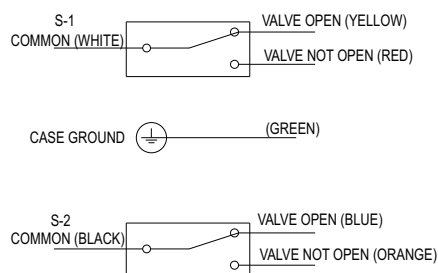


SWITCH WIRE

OPTION 1



OPTION 2



Dimensions

Size	L	G
50	210	145
65	210	145
80	210	145
100	210	145
125	210	145
150	210	145
200	300	285
250	300	285
300	300	285

CERTIFICATE OF COMPLIANCE

Certificate Number 20131205-EX16447
Report Reference EX16447-20131122
Issue Date 2013-DECEMBER-05


Issued to: GALA RS INC
SUITE 201
11200 WESTHEIMER RD
HOUSTON, TX 77042 USA

**This is to certify that
representative samples of** Butterfly Valves
20GG-300 and 20GG-300C

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 1091, Butterfly Valves for Fire-Protection Service
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's
Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle:  with the
word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category
name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.



William R. Carney, Director, North American Certification Programs
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please
contact a local UL Customer Service Representative at www.ul.com/contactus





Certificate of Compliance

This certificate is issued for the following:

Indicating Butterfly Valves

MODEL 20GG-300

**Sizes 2-1/2, 3, 4, 5, 6, 8 and 10 inch NPS
76.1, 139.7 and 165.1 mm NPS**

Prepared for:

GALA RS Inc
11200 Westheimer
Suite 201
Houston, TX 77042

FM Approvals Class: 1112

Approval Identification: 0003051391

Certificate Issued: March 11, 2014

Supersedes certificate issued on February 11, 2014

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in dark ink, appearing to read "Richard B. Dunne", is written over a white rectangular background.

Richard B. Dunne

Manager -Fire Protection

FM Approvals

1151 Boston-Providence Turnpike

Norwood, MA 02062

March 11, 2014

Date



Member of the FM Global Group