



SUBMITTAL PACKAGE FIRE PROTECTION VALVES



Butterfly Valves Ductile Iron Grooved.....pg 2-5
Grooved Check Valves.....pg 6-8
OS&Y Valves.....pg 9-12

GROOVED BUTTERFLY VALVE WITH TAMPER SWITCH
Model BFLY-G300

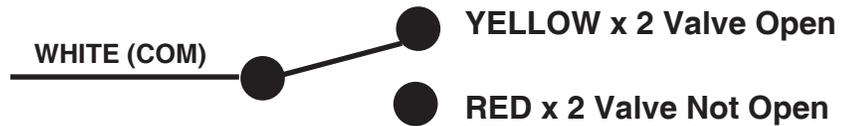


- Design Standard: API609
- Connection Ends: Groove to AWWA C606
- Top Flange Standard: ISO 5211
- Stem drive by keys, parallel or diagonal square or flat head
- Working Pressure: 300PSI
- Temperature Range: 32° to 176° F
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA



WIRING DIAGRAM:

SUPERVISORY SWITCH



AUXILIARY SWITCH



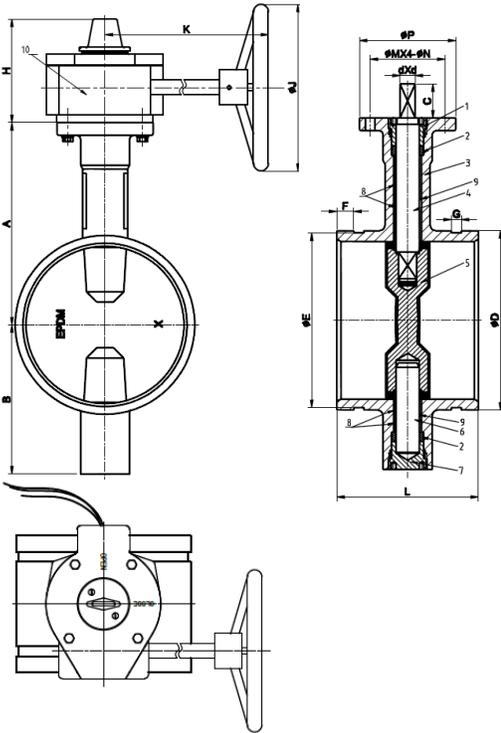
ACTUATOR CASE GROUND



System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	

GROOVED BUTTERFLY VALVE WITH TAMPER SWITCH

Model BFLY-G300



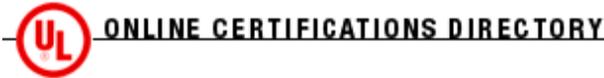
SPECIFICATIONS: MATERIAL

1. **Upper Shaft Sealing Nut**
2. **Shaft (Stem) Seal:** EPDM
3. **Body:** Ductile Iron conforming to ASTM A-536, Grade 65-45-12
4. **Upper Shaft (Stem):** 416 stainless steel conforming to ASTM A-582
5. **Disc:** Ductile Iron conforming to ASTM A-536, Grade 65-45-12, with EPDM Coating
6. **Lower Shaft (Stem):** 416 stainless steel conforming to ASTM A-582
7. **Lower Shaft (Stem) Sealing Nut:** WCB conforming to ASTM A-216
8. **Stem Bushing:** PTFE conforming to ASTM A-4894
9. **O-Ring (Seat):** Grade "E" EPDM conforming to ASTM D-2000
10. **Gear Box:**



Item #	Size	A	B	C	D	E	F	G	H	J	P	M	N	D	L
6520250	2-1/2"	4.92	3.74	1.26	2.87	2.72	0.63	0.31	4.37	5.98	3.54	2.76	0.35	0.39	3.8
					3	2.85									
6520251	3"	5.51	3.94	1.26	3.5	3.34	0.63	0.31	4.37	5.98	3.54	2.76	0.35	0.39	3.82
6520252	4"	6.3	3.94	1.26	4.5	4.33	0.63	0.31	4.37	5.98	3.54	2.76	0.35	0.43	4.53
6520253	6"	7.48	5.51	1.26	6.5	6.33	0.63	0.37	4.37	7.87	3.54	2.76	0.35	0.63	5.21
					6.63	6.46									
6520254	8"	9.06	6.89	1.26	8.52	8.33	0.75	0.44	4.96	11.4	4.92	4.02	0.47	0.75	5.8
					8.63	8.46									
6520255	10"	10.2	7.87	1.77	10.53	10.56	0.75	0.5	4.96	11.4	4.92	4.02	0.47	0.87	6.26
					10.75	12.32									

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	



HLXS.EX27392 Butterfly Valves

[Page Bottom](#)

Butterfly Valves

[See General Information for Butterfly Valves](#)

ALLIED RUBBER & GASKET CO INC, DBA ARGCO

EX27392

5400 S 66th St
Fort Smith, AR 72903 USA

Model	Size, NPS	Body Type	Pressure Rating, psig (Bar)	Indicator Post	Supervisory Switch*
Butterfly valve					
ARG-BFLY-G300	2, 2.5(76.1mm), 2.5, 3, 4, 5, 5 (139.7 mm), 6, 6 (165.1 mm)	Groove	300	—	I/O
	8, 8 (216.3 mm), 10, 10 (267.4 mm)			—	I/O
	12, 12 (318.4 mm)			—	I/O
ARG-BFLY-W300	2, 2.5, 3, 4, 5, 6	Wafer	300	—	I/O
	8, 10			—	I/O
	12			—	I/O

Note: F-Flange, G-Groove

* I = Indoor installation; O = Outdoor installation

[Last Updated](#) on 2017-01-13

[Questions?](#)

[Print this page](#)

[Terms of Use](#)

[Page Top](#)

© 2017 UL LLC

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2017 UL LLC".

Indicating Valves, Butterfly or Ball Type

Design features provide a dependable visible indication of the open position even at a distance. If excessive force is applied to the handle, weakness-joints will break so as to preserve correct orientation between indicator and valve position. Valve and indicator parts are so designed that they can be assembled only one way, always to give correct indication. All FM Approved indicating valves turn clockwise to shut. They are small, lightweight, and, because of a resilient seat, are easy to operate. They are not subject to sticking or dropped gates. They are not recommended for throttling service. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.

Model Nos. ARG-BFLY-G300, ARG-BFLY-W300

Model Number	Product Type	Nominal Pipe Size, mm	Rated Working Pressure, psi (kPa)	Remarks
ARG-BFLY-G300	Butterfly Valve, Grooved Ends	2-1/2, 3, 4, 6, 8 (65, 80, 100, 150, 200)	300 (2070)	a, c, d
ARG-BFLY-W300	Butterfly Valve, Wafer Style	2-1/2, 3, 4, 6, 8 (65, 80, 100, 150, 200)	300 (2070)	a, c, d

Remarks:

- a. Available with dual supervisory switches.
- c. FM Approved for aboveground installations only.
- d. FM Approved for indoor and outdoor use.

Company Name:	Allied Rubber & Gasket Company (ARGCO)
Company Address:	5816 Dryden Place, Suite 101, Carlsbad, California 92008, USA
Company Website:	http://argco.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Certification Type:	FM Approved

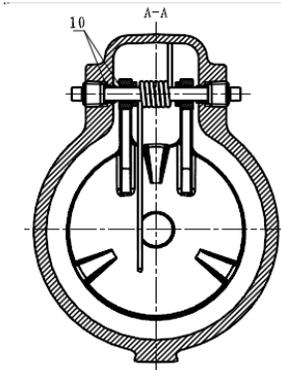
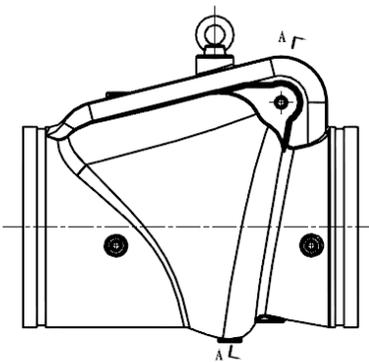
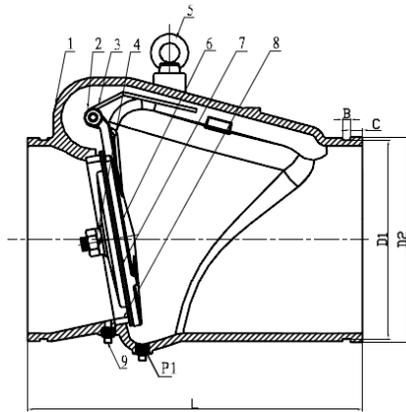
GROOVED CHECK VALVE



- Available Sizes: 2" through 12"
- Connection Ends: Groove to AWWA C606
- Working Pressure: 300 PSI
- Temperature Range: 32° to 176° F
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA
- Designed for Fire Protection Systems
- Prevents Backflow
- Single-disc mechanism incorporates a spring-assisted feature for non-slamming operation.
- Can be installed either vertically (flow upwards only) or horizontally.
- Valve body cast with arrow indicator to assist with proper valve orientation.
- Provided with grooved ends.
- Rated for ambient temperature use in fire protection systems.

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	

GROOVED CHECK VALVE



SPECIFICATIONS: MATERIAL

- 1. Valve Body**
- 2. Hinge Pin:** 420 stainless steel
conforming to ASTM A-582
- 3. Spring:** 304 stainless steel
conforming to ASTM A-582
- 4. Spring Washer:** 304 stainless steel
conforming to ASTM A-582
- 5. Eye Bolt:** Carbon Steel Zinc Plated
- 6. Disc:** 2" to 4" 304 stainless steel
2" to 4" Ductile Iron ASTM A536, 65-45-12
- 7. Seal Ring:** Grade "E" EPDM conforming to ASTM D-2000
- 8. Seat:** Bronze conforming to ASTM B-62-3600
- 9. Plug:** Malleable Iron Galvanized
- 10. Bushing:** ASTM B-62-3600

DN	Dimensions(IN)								
	L	D1	D2	B	C	P1	P2	P3	
								Standard	Optional
2"	6.73	2.25	2.37	0.31	0.625	1/2-14NPT	3/8-18NPT	1/2-14NPT	1-11.5NPT
2.5"	7.24	2.72	2.87	0.31	0.625	1/2-14NPT	3/8-18NPT	1/2-14NPT	1 1/4-11.5NPT
3"	7.76	3.34	3.5	0.31	0.625	1/2-14NPT	3/8-18NPT	1/2-14NPT	1 1/4-11.5NPT
4"	8.27	4.33	4.5	0.38	0.625	1/2-14NPT	1/2-14NPT	1/2-14NPT	2-11.5NPT
5"	9.76	5.39	5.56	0.38	0.625	1/2-14NPT	1/2-14NPT	1/2-14NPT	2-11.5NPT
6"	12.76	6.46	6.63	0.38	0.625	1/2-14NPT	1/2-14NPT	1/2-14NPT	2-11.5NPT
8"	14.61	8.44	8.63	0.44	0.75	1/2-14NPT	1/2-14NPT	1/2-14NPT	2-11.5NPT
10"	17.99	10.56	10.75	0.5	0.75	1/2-14NPT	1/2-14NPT	1/2-14NPT	2-11.5NPT
12"	21.06	12.53	12.75	0.5	0.75	1/2-14NPT	1/2-14NPT	1/2-14NPT	2-11.5NPT

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	



HMER.EX16302 Check Valves

[Page Bottom](#)

Check Valves

[See General Information for Check Valves](#)

ARGCO

5400 So 66th ST
Fort Smith, AR 72903 USA

EX16302

Swing type, Model ARG-CH-G300, sizes 2, 2-1/2, 3, 4, 5, 6 and 8 in., with resilient seat size for rated pressure of 300 psig horizontal and vertical installation.

[Last Updated](#) on 2013-04-05

[Questions?](#)

[Print this page](#)

[Terms of Use](#)

[Page Top](#)

© 2017 UL LLC

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2017 UL LLC".

OS&Y GATE VALVE

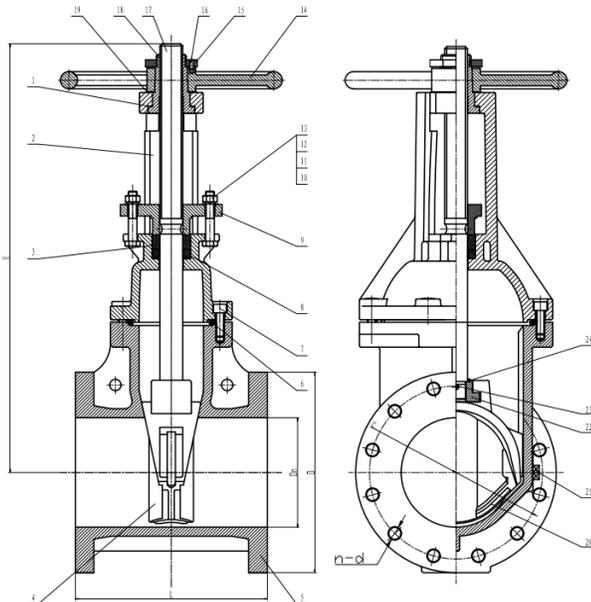


- Design Standard: AWWA C515
- Connection Ends: Flange to ASME B16.1 CL 125.
- Stem drive by keys, parallel or diagonal square or flat head.
- Working Pressure: 300PSI
- Temperature Range: 175° F

- Coating: Fusion Bonded Epoxy
Coating in accordance with
ANSI/AWWA C550

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	

OS&Y GATE VALVE



PART NO.	Description	Material Specification
1	GASKET	C95400
2	BONNET	DI
3	PACKING	GRAPHITE
4	DISC	EPDM+DI
5	BODY	DI ASTM A536
6	SEALING RING	EPDM
7	BOLT	STEEL
8		
9	GLAND	DI
10	NUT	STEEL
11	FLAT WASHER	STEEL
12	BOLT	STEEL
13	SPRING WASHER	STEEL
14	HANDWHEEL	DI
15	LOCK NUT	C95400
16	LOCATING SCREW	S.S.304
17	STEM	S.S.304
18	STEM NUT	C95400
19	GASKET	C95400
20	SKELETON	DI
21	PLUG	C95400
22	LIFTING NUT	CF8M
23	PIN	S.S.304
24	SEALING RING	EPDM

SIZE	Dimensions(IN)					
	DN	L	D	C	n-d	H
2.5"	2.56	7.48	7.01	5.49	4-Φ0.75	14.57
3"	3.15	7.99	7.52	6.00	4-Φ0.75	16.54
4"	4.06	9.02	9.02	7.50	8-Φ0.75	17.6
5"	5.06	10.00	10.00	8.50	8-Φ0.87	21.54
6"	6.10	10.51	10.98	9.51	8-Φ0.87	23.9
8"	8.03	11.50	13.50	11.75	8-Φ0.87	29.69
10"	10.04	12.99	15.98	14.25	12-Φ1	35.04
12"	11.97	14.02	19.02	17.01	12-Φ1	40.59

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	

**HMRZ.EX27391
Gate Valves**[Page Bottom](#)**Gate Valves**[See General Information for Gate Valves](#)**ALLIED RUBBER & GASKET CO INC, DBA ARGCO**

EX27391

5400 S 66th St
Fort Smith, AR 72903 USA

Model	Type	Size, in.	Rated Pressure, psig	Rated Pressure, psig End Configuration
ARG-OSY-FLXFL-300	O.S & Y	2.5,3,4,5,6,8,10,12	300	Flange & Flange
ARG-NRS-FLXFL-300	NRS	2.5,3,4,5,6,8,10,12	300	Flange & Flange
ARG-OSY-FLXFL-200	O.S & Y	2,2.5,3,4,5,6,8,10,12	200	Flange & Flange
ARG-OSY-FLXGR-200				Flange & Grooved
ARG-OSY-GRXGR-200				Grooved & Grooved
ARG-NRS-FLXFL-200	NRS	2.5,3,4,5,6,8,10,12	200	Flange & Flange
ARG-NRS-FLXGR-200				Flange & Grooved
ARG-NRS-GRXGR-200				Grooved & Grooved

Note: O.S & Y, outside-screw-and-yoke type NRS, nonrising stem type.

Flanges comply with ANSI B16.1 Class 125; for 300 psi, use Face flange, for 200 psi, use Raised-face flange.

[Last Updated](#) on 2017-01-17[Questions?](#)[Print this page](#)[Terms of Use](#)[Page Top](#)

© 2017 UL LLC

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2017 UL LLC".

Outside Screw and Yoke Gate Valves

Outside screw and yoke gate valves are recommended for service indoors and in pits outdoors. They are not recommended for throttling service. The stem indicates at a glance whether or not the valve is open. Smaller sizes, 3/4 through 2 in. NPS inclusive, are of bronze. Large sizes, 2 1/2 through 14 in. NPS inclusive, are of iron, bronze mounted. One manufacturer makes valves of bronze up through the 3 in. size. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.

Model ARG-OSY

Resilient Seated Gate Valves. 2 through 16 in. NPS. Available with the following end connections.

Model	Size, in. (mm)	Rated Working Pressure, psi (kPa)	End Connection
ARG-OSY-FLXFL-200	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12, 14, 16 (50, 65, 80, 100, 125, 150, 200, 250, 300, 350, 400)	200 (1380)	Flange x Flange
ARG-OSY-FLXFL-300	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 (50, 65, 80, 100, 125, 150, 200, 250, 300)	300 (2070)	Flange x Flange
ARG-OSY-GRXGR-200	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 (50, 65, 80, 100, 125, 150, 200, 250, 300)	200 (1380)	Groove x Groove
ARG-OSY-FLXGR-200	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 (50, 65, 80, 100, 125, 150, 200, 250, 300)	200 (1380)	Groove x Flange

Company Name:	Allied Rubber & Gasket Company (ARGCO)
Company Address:	5816 Dryden Place, Suite 101, Carlsbad, California 92008, USA
Company Website:	http://argco.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Certification Type:	FM Approved