

FIRE PROTECTION PRODUCTS



Company Profile

GALA - Extends Business on a Global Perspective.

GALA company offers a wide range of products and systems in the field of valves, piping, and seismic isolation for applications ranging from equipment for office buildings, fire fighting, heating, water works, sewerage, marine, industrial to top fluid control. Our aim is meaningful contribution to society by providing comfort and safety through our products, technical skills and services!

GALA - Professional Manufacturer of Industrial Valves

GALA have variety products to meet customer demand of different valve. Designing, manufacture and sale of one-stop service is the company's core strengths.

GALA products cover the following industry area:

Water supply system, water treatment, food, chemical, cement, air-conditioning systems, industry engineering, nuclear power, papermaking, Petrochemical Industry, pharmaceutical, Powder Industry, steel industry, sugar refining, textiles and so on. GALA anti-pollution environmental protection industry is one of the major business. GALA provides various valve for wastewater processing and exhaust gas processing.

GALA have wide variety of industrial valves, including following main products:

- ◆ Fire Protection Valve
- ◆ Balancing Valve
- ◆ Butterfly Valve
- ◆ Gate Valve, Globe Valve, Check Valve, Ball Valve
- ◆ Strainer
- ◆ Flexible Rubber Joint
- ◆ Flexible Stainless Steel Hose, Expansion Joint

Other Valves and fittings are also available from GALA.

All products will be designed, manufactured and assembly by GALA.



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Certificate

CERTIFICATE OF COMPLIANCE	
Certificate Number	20131205-EX16447
Report Reference	EX16447-20131122
Issue Date	2013-12-05 CEMEREX-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 200G-000 and 200G-300C
Has been investigated by	UL
Standard(s) for Safety/ Additional Information:	UL 1091, Butterfly Valves for Fire-Protection Service See the UL Online Certifications Directory at www.ul.com/directory for additional information
Only those products bearing the UL Listing Mark shall be considered as being covered by UL's Listing and Follow-Up Service. The UL Listing Mark generally indicates the following element(s) assigned by UL is a certified (with the word "LISTED" a control number <i>may</i> be additionally assigned by UL) and the product category name (product description) as indicated in the appropriate UL Classification. Look for the UL Listing Mark on the product.	
<i>Barbara A. Gray</i> Barbara A. Gray, Director, UL UL 1091, Butterfly Valves for Fire-Protection Service UL 1091 <i>UL</i> UL is a registered trademark of UL LLC or its subsidiaries. Issued on 12/05/13. For additional details visit www.ul.com	

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CERTIFICATE OF COMPLIANCE

Certificate Number	20130703-EX16373
Report Reference	UL-E1837-20130701
Issue Date	2013-July-03

Issued to: GALEA RS INC
SUITE 201, 1100 WESTHEIMER RD
HOUSTON, TX 77042, US

This is to certify that
representative sample: Gate Valves
Resistant Sealed Gate Valves - 388FF-Q-200, 388GQ-200,
388F-Q-300, 389FF-F-200, 390GQ-200, 398F-Q-200, 388FF-
250, 388GQ-250, 388FQ-C-200, 389FF-F-250, 390GQ-250
388F-G-250, 388F-Q-250, 388GQ-200, 388FQ-C-200, 390GQ-
200, 390GQ-250, 398F-Q-250.

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

Standards for Safety: Standard for Gate Valves for Fire-Protection Service - UL
262

Additional Information: See www.ul.com/Certifications Directory at
www.ul.com/Certifications for additional information

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

The UL Listing Mark generally indicates the following: the symbol "UL" in a circle and the
word "LISTED" or another number (which are approximately assigned by UL), and the product category
(such as equipment) in which it is included in the appropriate UL Directory.

Look for the UL Listing Mark on the product.


Brian E. Gray
Vice President, Product Safety, Global Business Programs
UL LLC



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CERTIFICATE OF COMPLIANCE	
Certificate Number	20130700-EX16376
Report Reference	EX16376-20130702
Issue Date	2013-04-05 09:21
Issued to:	GALA RS INC SUITE 201, 1326 WESTHEIMER RD HOUSTON, TX 77042, US
This is to certify that representative sample(s)	Indicator: Posts, Gate Valve Underground type, adjustable length - G388, Wall type - W308
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	Standard for Indicator Posts for Fire-Protection Service - UL 788
Additional Information:	See the UL Online Certifications Directory at www.ul.com/certification 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  with the word "TESTED", a control number (see the explanation) 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. Berg, Director, California Compliance Programs UL UL is a registered trademark of UL LLC. All other trademarks are the property of their respective owners. © 2013 UL LLC. All rights reserved.	

CERTIFICATE OF COMPLIANCE	
Certificate Number	20130704-EX16374
Report Reference	EX16374-20130704
Issue Date	2013-04-01
Issued to:	GALA RS INC SUITE 201, 11200 WESTMEIER RD HOUSTON, TX 77060, US
This is to certify that representative samples of	Check Valves Swagelok check valve - 50FF-300, 50FF-350, 50FF-200
Has been investigated by UL in accordance with Standard(s) indicated on this Certificate.	UL 312 See the UL Online Certifications Directory at www.ul.com/certification for additional information
Standard(s) for Safety:	Check Valves for Fire-Protection Service - UL 312
Additional Information:	See the UL Online Certifications Directory at www.ul.com/certification for additional information
Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Fieldwork Service.	
The UL Listing Mark generally includes the following elements: the symbol UL, a circle  with the word "LISTED" or similar wording plus an identification assigned by UL, and the product category name (product identifier) as indicated in the UL Classification.	
Look for the UL Listing Mark on the product.	


William J. Lewis, Senior Vice President, Certification Programs
UL LLC
The UL Company, 333 South LaSalle Street, Chicago, IL 60606
www.ul.com

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CERTIFICATE OF COMPLIANCE

Certificate Number	20130703-EX161375
Report Reference	EX161375-20130701
Issue Date	2015-JULY-03

Issued to: GALA RSC
SUITE 201
11200 WESTHEIMER RD
HOUSTON, TX 77042 US

**This is to certify that
representative samples of**

STRANERS, PIPELINE
Strainers, basket type • 70FF-G00, 70FF-G00, 70GG-G00,
70FF-G200, 70FF-G250, 70GG-G250, 70FF-G200, 70FF-G200,
70GG-G200.

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

Standard(s) for Safety:	UL Subject 321 - Outline of investigation for Pipeline
Additional Information:	See the UL.com/Certifications Directory at www.ul.com/certificates 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 located in the following manner: the symbol UL in a circle  with the word "LISTED" or a control number (see the alphanumeric designator by UL), and the product category name printed therefor as indicated in the UL's UL Directory.

Look for the UL Listing Mark on the product.


Michael J. Corbin
Michael J. Corbin, Director of Regulatory Compliance
UL
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FM
APPROVED

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.


Richard B. Dianne
Manager-Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062

March 11, 2014
Date



FM Approvals®

Member of the FM Global Group

	Certificate of Compliance This certificate is issued for the following: OUTSIDE SCREW & YOKE TYPE (OS&Y) GATE VALVE MODELS 399FF-300, 399FF-250, 399FF-200, 399GG-300, 399GG-250, 399GG-200, 399FG-300, 399FG-250, 399FG-200 NON-RISING STEM TYPE (NRS) GATE VALVE MODELS 388FF-300, 388FF-250, 388FF-200, 388GG-300, 388GG-250, 388GG-200, 388FG-300, 388FG-250, 388FG-200 INDICATOR POST MODELS G388 AND W388 SWING CHECK VALVE MODELS 50FF -300, 50FF-250, 50FF-200 Prepared for: GALA RS Inc 11200 Westheimer Suite 201 Houston, TX 77042 FM Approvals Class: 1120/1130, 1110, 1210 Approval Identification: 0003049247 Approval Granted: July 12, 2013 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 contractions as found in the Approval Guide, an online resource of FM Approvals.  Richard B. Dume Group Manager - Fire Protection FM Approvals 1151 Boston-Providence Turnpike Norwood, MA 02062 August 7, 2013 Date
	 Member of the FM Global Group

Gate Valve

Resilient Seated NRS Type-Flanged Ends

Fig. 388FF-300
388FF-250
388FF-200



Valve Standard

Conforms to AWWA C515 / BS5163

Working pressure

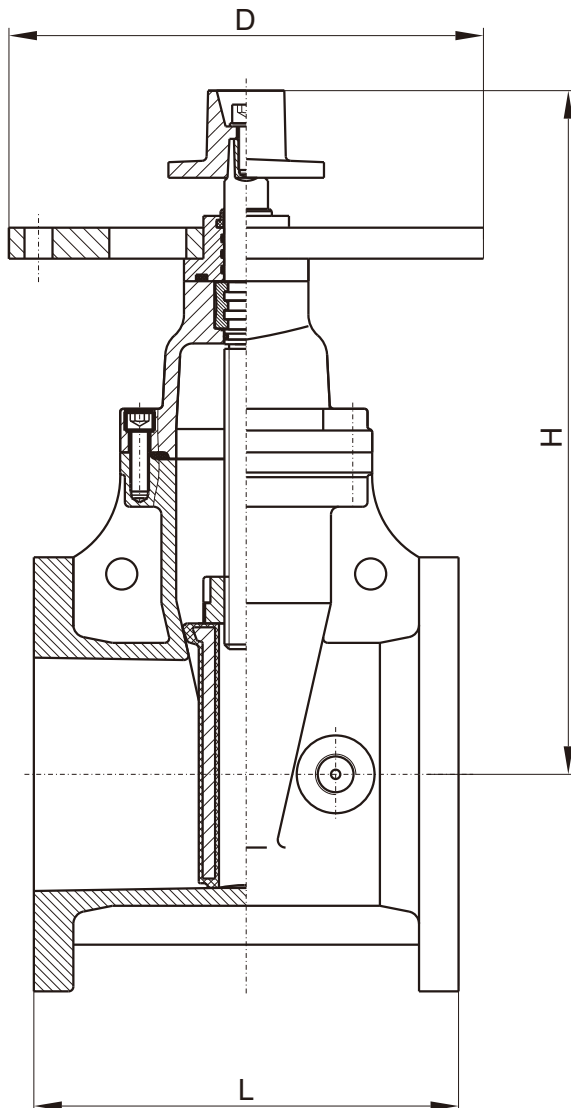
DN50~DN600 200PSI
DN50~DN450 250PSI
DN50~DN300 300PSI

Flanged Ends

ANSI B16.1 Class125/150/250,
EN1092-2 PN10/PN16/PN25
BS10 Table D/Table E

Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge Disc	Ductile Iron EPDM Coated	
Disc Nut	Bronze	ASTM B62
Stem	Stainless Steel	AISI 304/302
Gasket	EPDM	Commercial
Bonnet	Ductile Iron	A536 65-45-12
Thrust Collar	Bronze	ASTM B62
Gland	Ductile Iron	A536 65-45-12
Wrench Nut	Ductile Iron	A536 65-45-12
Post Plate	Ductile Iron	A536 65-45-12



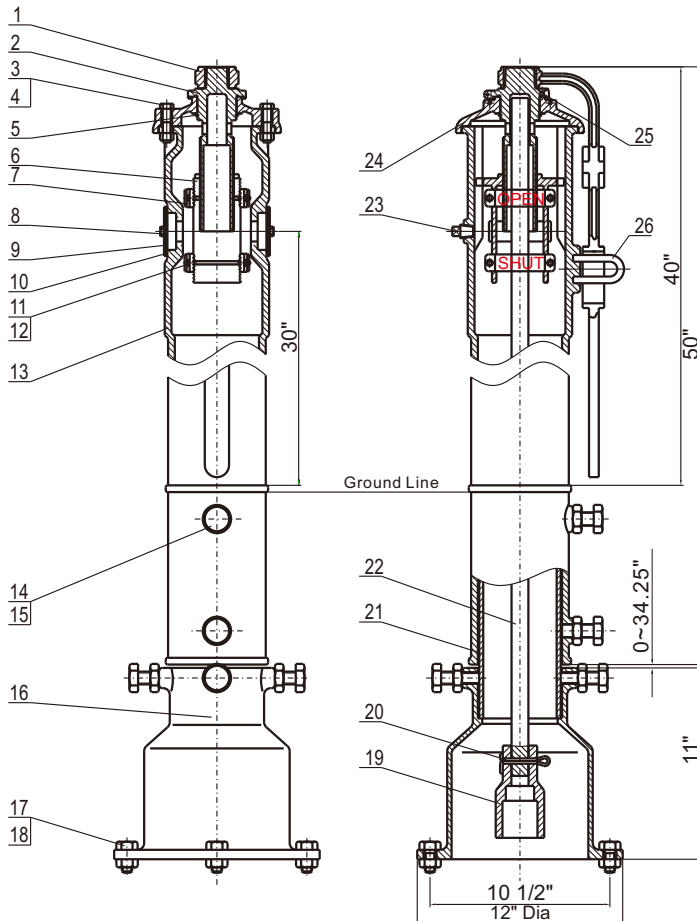
Dimensions(mm/inch):

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	3	4	5	6	8	10	12
L	mm	178	191	203	229	254	267	292	330	356
	inch	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00
H	mm	295	295	323	342	408	440	537	640	723
	inch	11.61	11.61	12.72	13.46	16.06	17.32	21.14	25.20	28.46
D	mm	305	305	305	305	305	305	305	305	305
	inch	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01

Gate Valve

Indicator Post - Underground Type

Fig.G388



Materials List

DET	QTY.	Description	Material
1	1	Locking Wrench	ASTMA126B
2	1	Operating Nut	ASTM B62
3	2	Hex Nut Screw	ASTMA105
4	2	Hex Nut	ASTMA105
5	1	Snap Ring	AISI A606
6	1	Taget Carrier Nut	ASTM B62
7	4	Taget	ASTM B108
8	4	Hex Cap Screw	ASTMA105
9	2	Window Glass	LEXAN-UM
10	2	Window Glass Gasket	PTFE
11	4	Hex Cap Screw	ASTMA105
12	4	Hex Nut	ASTMA105
13	1	Body	ASTMA536
14	6	Hex Cap Screw	ASTMA105
15	6	Hex Nut	ASTMA105
16	1	Base Flange	ASTMA126B
17	4	Hex Cap Screw	ASTMA105
18	4	Hex Nut	ASTMA105
19	1	Crane Coupling	ASTMA536
20	1	Cotter Pin	AISI 304
21	1	Stand Pipe	ASTMA53
22	1	Stem	AISI 1045
23	1	Plug	AISI 304
24	1	Cover	ASTMA126B
25	1	Cross Recessed Countersunk Head Screw	AISI 304
26	1	Locking Nose	ASTM 307 B

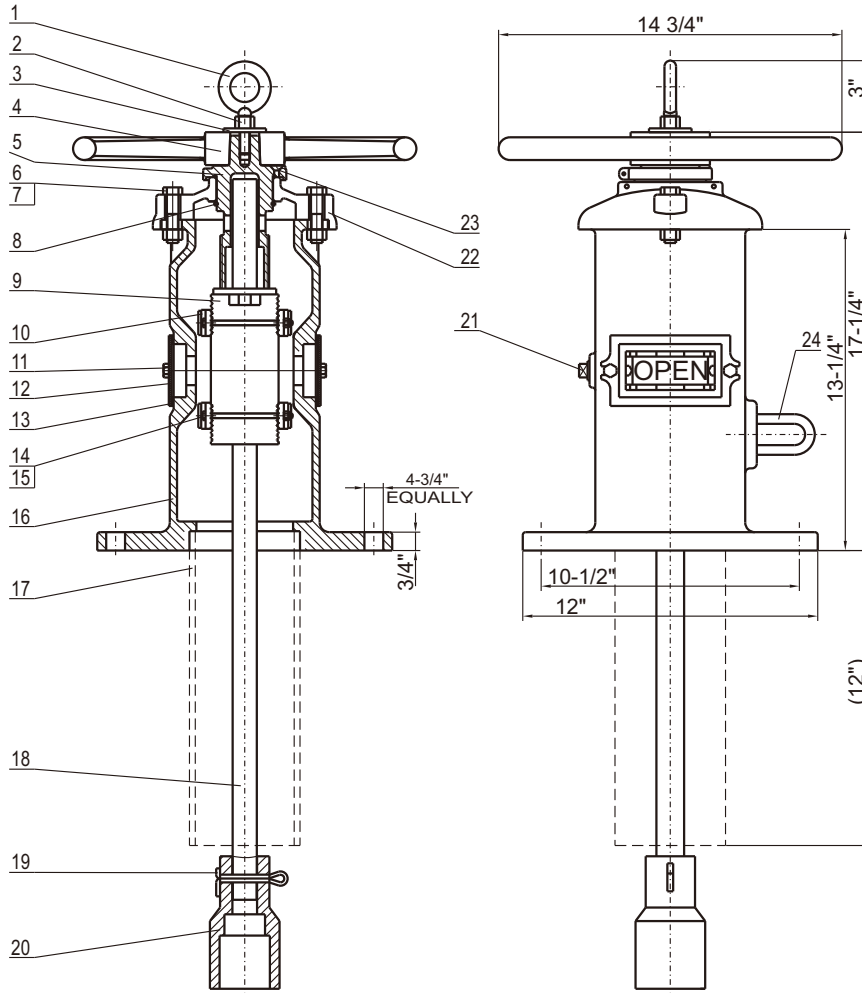
Field Adjustment:

1. Remove the top section from the top of the Indicator Post assembly.
2. Cut the required length off the bottom of the Standpipe for the Ground Line to match up with Standpipe Ground Line mark.
3. Set the "OPEN" and "SHUT" targets for the appropriate valve size.
4. Reattach the Top Section to the top of the Indicator Post assembly.
5. Design and dimensions are subject to change without notice

Gate Valve

Indicator Post - Wall Type

Fig.W388



Field Adjustment:

1. Remove the top section from the top of the Indicator Post assembly.
2. Set the "OPEN" and "SHUT" targets for the appropriate valves size.
3. Reattach the Top Section to the top of the Indicator Post assembly.
4. Design and materials are subject to change without notice.

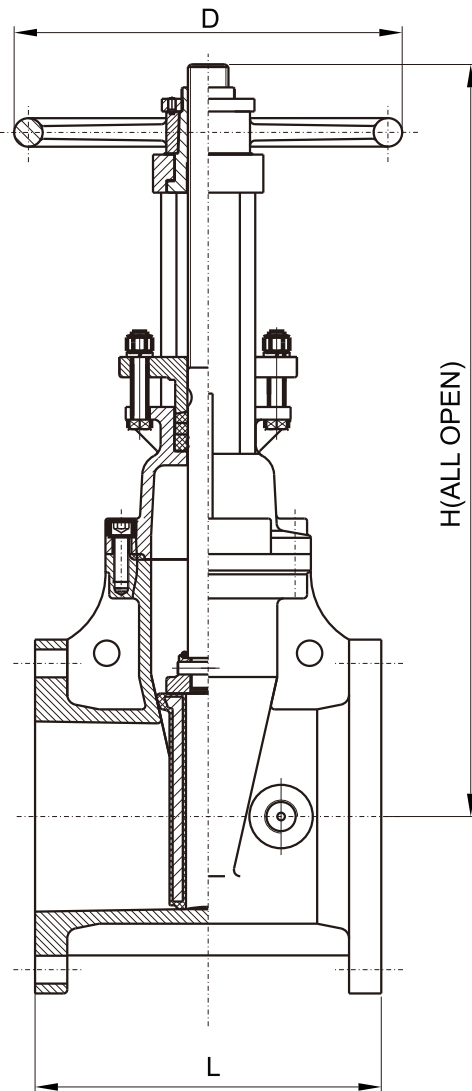
Materials List

DET	QTY.	Description	Material	DET	QTY.	Description	Material
1	1	Lifting Eyey Bolt	ASTMA105	13	2	Window Glass Gasket	PTFE
2	1	Hex Nut	ASTMA105	14	4	Hex Cap Screw	ASTMA105
3	1	Washer	ASTMA105	15	4	Hex Nut	ASTMA105
4	1	Hand Wheel	ASTMA536	16	1	Body	ASTMA536
5	1	Operating Nut	ASTM B62	17	1	Stand Pipe	ASTMA53
6	2	Hex Cap Screw	ASTMA105	18	1	Stem	AISI 1045
7	2	Hex Nut	ASTMA105	19	1	Cotter Pin	AISI 304
8	1	Snap Ring	AISI A606	20	1	Crane Coupling	ASTMA536
9	1	Target Carrier Nut	ASTM B62	21	1	Plug	AISI 304
10	4	Target	ASTM B108	22	1	Cover	ASTMA126B
11	4	Hex Cap Screw	ASTMA105	23	1	Cross Recessed Countersunk Head Screw	AISI 304
12	2	Window Glass	LEXAN-UM	24	1	Locking Nose	ASTMA307B

Gate Valve

Resilient Seated OS&Y Type-Flanged Ends

Fig. 399FF-300
399FF-250
399FF-200



Valve Standard

Conforms to AWWA C515 / BS5163

Working pressure

DN50~DN600 200PSI
DN50~DN450 250PSI
DN50~DN300 300PSI

Flanged Ends

ANSI B16.1 Class125/150/250,
EN1092-2 PN10/PN16/PN25
BS10 Table D/Table E

Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron EPDM Coated	
Wedge Nut	Stainless Steel	AISI304
Stem	Stainless Steel	AISI304/302
Bonnet	Ductile Iron	A536 65-45-12
Gasket	EPDM	Commercial
Packing	Graphite	Non-asbestos
Stem Nut	Bronze	ASTM B62
Handwheel	Ductile Iron	A536 65-45-12

Dimensions(mm/inch):

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	3	4	5	6	8	10	12
L	mm	178	191	203	229	254	267	292	330	356
	inch	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00
H	mm	418	418	488	538	654	740	935	1126	1316
	inch	16.46	16.46	19.21	21.18	25.75	29.13	36.81	44.33	51.81
D	mm	183	183	253	253	306	306	355	445	445
	inch	7.20	7.20	9.96	9.96	12.05	12.05	13.98	17.52	17.52

Gate Valve

Resilient Seated NRS Type-Flange-Groove Ends

Fig. 388FG-300
388FG-250
388FG-200



Valve Standard

Conforms to AWWA C515 / BS5163

Working pressure

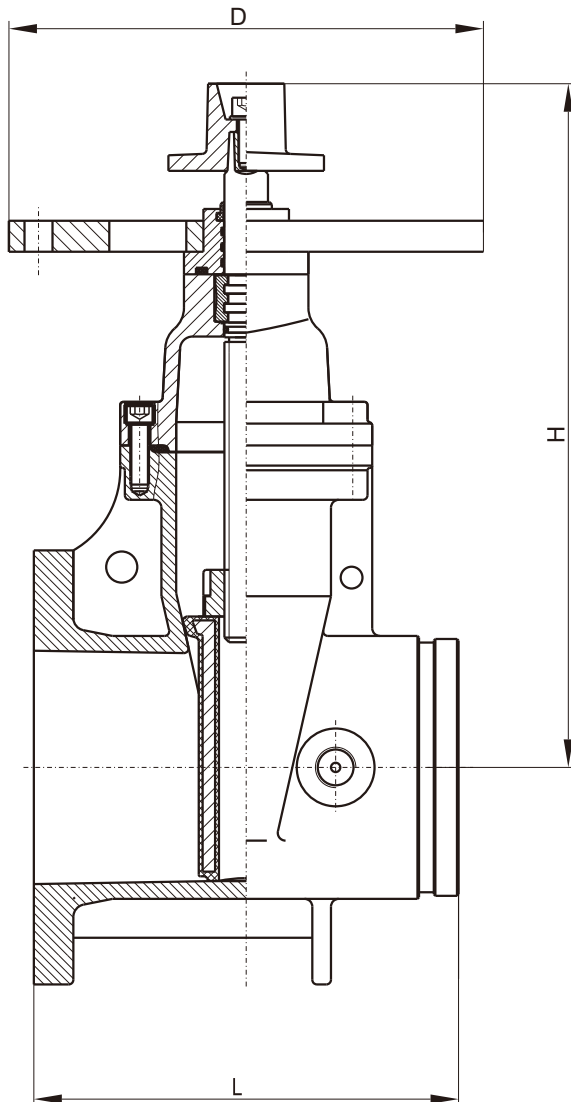
200PSI / 250PSI / 300PSI

Connection Ends

ANSI B16.1 Class125/150/250,
EN1092-2 PN10/PN16/PN25
BS10 Table D/Table E
AWWA C 606

Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge Disc	Ductile Iron EPDM Coated	
Disc Nut	Bronze	ASTM B62
Stem	Stainless Steel	AISI 304/302
Gasket	EPDM	Commercial
Bonnet	Ductile Iron	A536 65-45-12
Thrust Collar	Bronze	ASTM B62
Gland	Ductile Iron	A536 65-45-12
Wrench Nut	Ductile Iron	A536 65-45-12
Post Plate	Ductile Iron	A536 65-45-12



Dimensions(mm/inch):

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	3	4	5	6	8	10	12
L	mm	178	191	203	229	254	267	292	330	356
	inch	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00
H	mm	295	295	323	342	408	440	537	640	723
	inch	11.61	11.61	12.72	13.46	16.06	17.32	21.14	25.20	28.46
D	mm	305	305	305	305	305	305	305	305	305
	inch	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01

Gate Valve

Resilient Seated NRS Type-Groove-Groove Ends

Fig. 388GG-300
388GG-250
388GG-200



Valve Standard

Conforms to AWWA C515 / BS5163

Working pressure

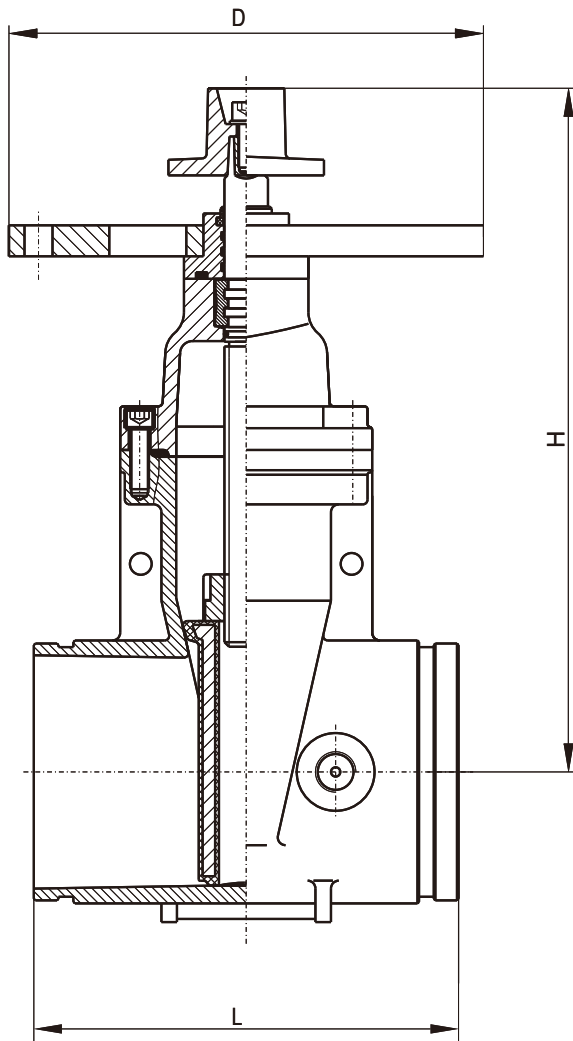
200PSI / 250PSI / 300PSI

Connection Ends

AWWA C 606

Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge Disc	Ductile Iron EPDM Coated	
Disc Nut	Bronze	ASTM B62
Stem	Stainless Steel	AISI 304/302
Gasket	EPDM	Commercial
Bonnet	Ductile Iron	A536 65-45-12
Thrust Collar	Bronze	ASTM B62
Gland	Ductile Iron	A536 65-45-12
Wrench Nut	Ductile Iron	A536 65-45-12
Post Plate	Ductile Iron	A536 65-45-12



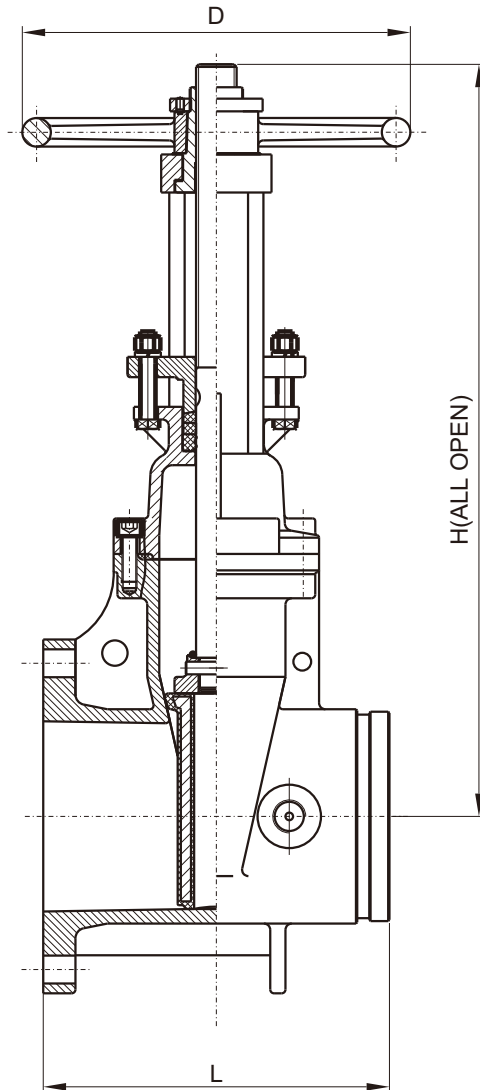
Dimensions(mm/inch):

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	3	4	5	6	8	10	12
L	mm	178	191	203	229	254	267	292	330	356
	inch	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00
H	mm	295	295	323	342	408	440	537	640	723
	inch	11.61	11.61	12.72	13.46	16.06	17.32	21.14	25.20	28.46
D	mm	305	305	305	305	305	305	305	305	305
	inch	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01

Gate Valve

Resilient Seated OS&Y Type-Flange-Groove Ends

Fig. 399FG-300
399FG-250
399FG-200



Valve Standard

Conforms to AWWA C515 / BS5163

Working pressure

200PSI / 250PSI / 300PSI

Connection Ends

ANSI B16.1 Class125/150/250,
EN1092-2 PN10/PN16/PN25
BS10 Table D/Table E
AWWA C 606

Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron EPDM Coated	
Wedge Nut	Stainless Steel	AISI304
Stem	Stainless Steel	AISI304/302
Bonnet	Ductile Iron	A536 65-45-12
Gasket	EPDM	Commercial
Packing	Graphite	Non-asbestos
Stem Nut	Bronze	ASTM B62
Handwheel	Ductile Iron	A536 65-45-12

Dimensions(mm/inch):

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	3	4	5	6	8	10	12
L	mm	178	191	203	229	254	267	292	330	356
	inch	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00
H	mm	418	418	488	538	654	740	935	1126	1316
	inch	16.46	16.46	19.21	21.18	25.75	29.13	36.81	44.33	51.81
D	mm	183	183	253	253	306	306	355	445	445
	inch	7.20	7.20	9.96	9.96	12.05	12.05	13.98	17.52	17.52

Gate Valve

Resilient Seated OS&Y Type-Groove-Groove Ends

Fig. 399GG-300
399GG-250
399GG-200



Valve Standard

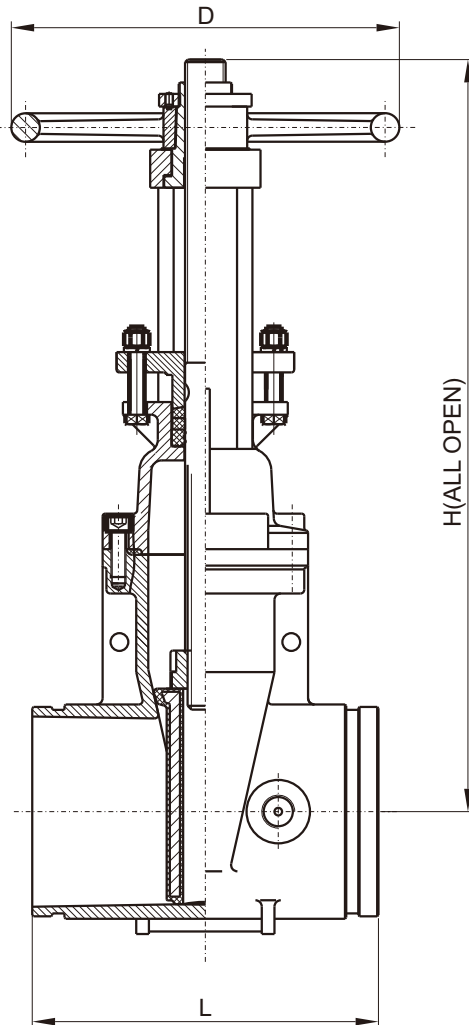
Conforms to AWWA C515 / BS5163

Working pressure

200PSI / 250PSI / 300PSI

Connection Ends

AWWA C 606



Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron EPDM Coated	
Wedge Nut	Stainless Steel	AISI304
Stem	Stainless Steel	AISI304/302
Bonnet	Ductile Iron	A536 65-45-12
Gasket	EPDM	Commercial
Packing	Graphite	Non-asbestos
Stem Nut	Bronze	ASTM B62
Handwheel	Ductile Iron	A536 65-45-12

Dimensions(mm/inch):

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	3	4	5	6	8	10	12
L	mm	178	191	203	229	254	267	292	330	356
	inch	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00
H	mm	418	418	488	538	654	740	935	1126	1316
	inch	16.46	16.46	19.21	21.18	25.75	29.13	36.81	44.33	51.81
D	mm	183	183	253	253	306	306	355	445	445
	inch	7.20	7.20	9.96	9.96	12.05	12.05	13.98	17.52	17.52

Gate Valve

Resilient Seated NRS Type-Flanged Ends

Fig. 322FF-300
322FF-250
322FF-200



Valve Standard

Conforms to AWWA C515 / BS5163

Working pressure

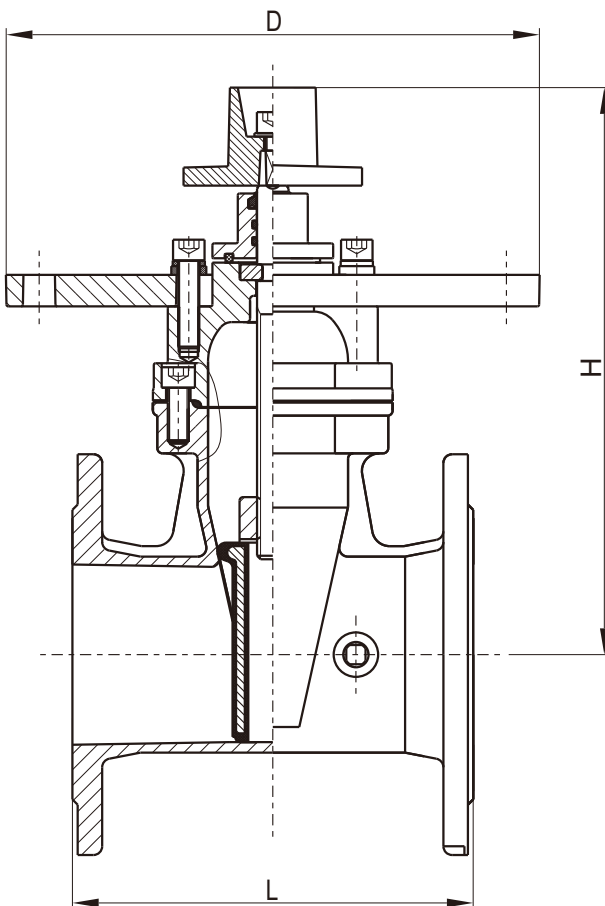
200PSI / 250PSI / 300PSI

Connection Ends

ANSI B16.1 Class125/150
EN1092-2 PN16

Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge Disc	Ductile Iron EPDM Coated	
Disc Nut	Bronze	ASTM B62
Stem	Stainless Steel	AISI 304/302
Gasket	EPDM	Commercial
Bonnet	Ductile Iron	A536 65-45-12
Thrust Collar	Bronze	ASTM B62
Gland	Ductile Iron	A536 65-45-12
Wrench Nut	Ductile Iron	A536 65-45-12
Post Plate	Ductile Iron	A536 65-45-12



Dimensions(mm/inch):

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	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00
H	mm	279	279	305	324	394	428	537	640	723
	inch	10.98	10.98	12.01	12.76	15.51	16.85	21.14	25.20	28.46
D	mm	305	305	305	305	305	305	305	305	305
	inch	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01

Gate Valve

Resilient Seated NRS Type-Flanged Ends

Fig. 322FF-250(DN350-DN450)
322FF-200(DN500-DN600)



Valve Standard

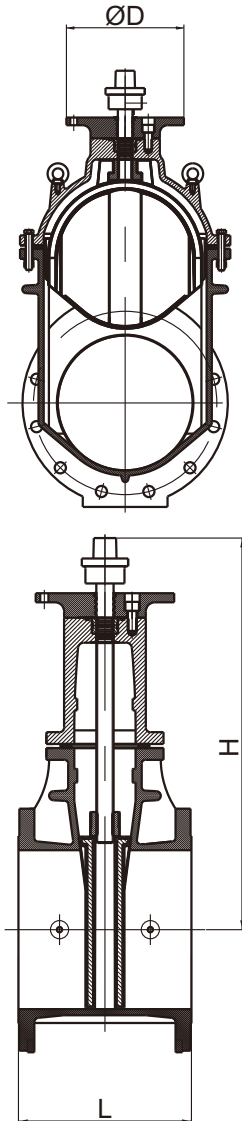
Conforms to AWWA C515 / BS5163

Working pressure

200PSI / 250PSI

Connection Ends

ANSI B16.1 Class125/150
EN1092-2 PN16



Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge Disc	Ductile Iron EPDM Coated	
Disc Nut	Bronze	ASTM B62
Stem	Stainless Steel	AISI 304/302
Gasket	EPDM	Commercial
Bonnet	Ductile Iron	A536 65-45-12
Thrust Collar	Bronze	ASTM B62
Gland	Ductile Iron	A536 65-45-12
Wrench Nut	Ductile Iron	A536 65-45-12
Post Plate	Ductile Iron	A536 65-45-12

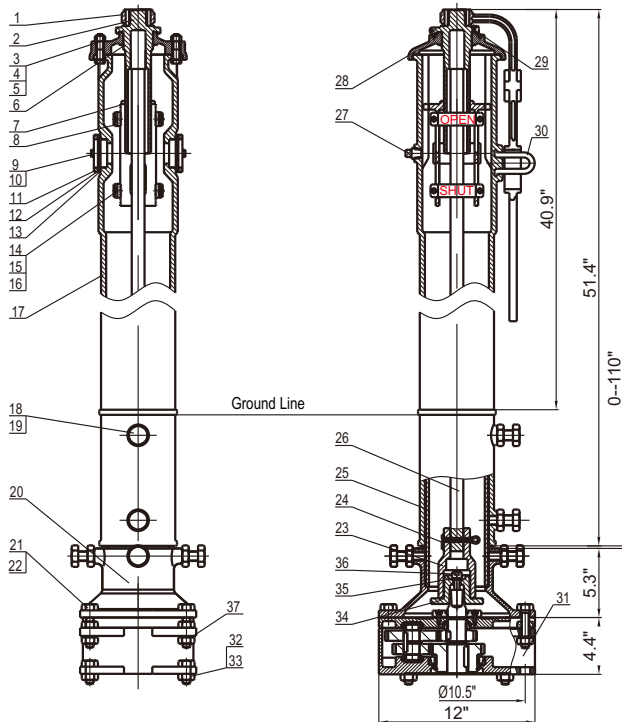
Dimensions(mm/inch):

SIZE	mm	350	400	450	500	600
	inch	14	16	18	20	24
L	mm	381	406	432	457	508
	inch	15.00	15.98	17.01	17.99	20.00
H	mm	862	938	1057	1142	1295
	inch	33.94	36.93	41.61	44.96	50.98
D	mm	305	305	305	305	305
	inch	12.01	12.01	12.01	12.01	12.01

Gate Valve

Indicator Post - Underground Type

Fig.G322



Materials List

DET	QTY.	Description	Material
1	1	Locking Wrench	ASTM A536
2	1	Operating Nut	ASTM B62/A351 CF8
3	2	Bolt	ASTM A105
4	2	Nut	ASTM A105
5	2	Flat Washer	ASTM A105
6	1	Shap Ring	AISI 606
7	1	Taget Carrier Nut	ASTM B62
8	4	Target	ASTM B108
9	4	Bolt	ASTM A105
10	4	Flat Washer	ASTM A105
11	2	Window Gland	ASTM A307B
12	2	Window Glass	LEXAN-UN STABILIZE
13	4	Gasket	EPDM
14	4	Bolt	ASTM A105
15	4	Spring Washer	ASTM A105
16	1	Nut	ASTM A105
17	6	Body	ASTM A105
18	6	Bolt	ASTM A105
19	1	NUt	ASTM A105
20	4	Base Flange	ASTM A126B
21	8	Bolt	ASTM A105
22	1	Nut	ASTM A105
23	1	Crane Coupling	ASTM A536
24	1	Cotter Pin	AISI 304
25	1	Stand Pipe	ASTM A536
26	1	Stem 1" Square	AISI 1045
27	1	Plug	AISI 304
28	1	Top Cover	ASTM A126B
29	1	Screw	AISI 304
30	1	Lock Nose	ASTM A307B
31	1	Reducer	PARTS
32	4	Bolt	ASTM A105
33	4	Nut	ASTM A105
34	1	Wrench Nut	ASTM A536
35	1	Washer	AISI 304
36	1	Hex. Socket Cap Screw	AISI 304
37	4	Spring Washer	AISI 304

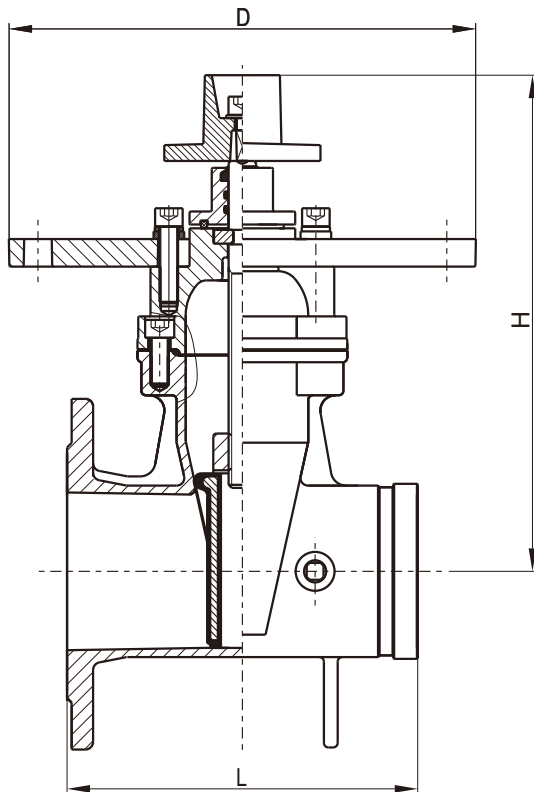
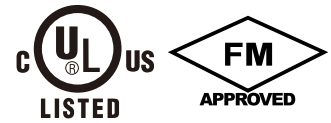
Field Adjustment:

1. Remove the top section from the top of the Indicator Post assembly.
2. Cut the required length off the bottom of the Standpipe for the Ground Line to match up with Standpipe Ground Line mark.
3. Set the "OPEN" and "SHUT" targets for the appropriate valve size.
4. Reattach the Top Section to the top of the Indicator Post assembly.
5. Design and dimensions are subject to change without notice

Gate Valve

Resilient Seated NRS Type-Flange-Groove Ends

Fig. 322FG-300
322FG-250
322FG-200



Valve Standard

Conforms to AWWA C515 / BS5163

Working pressure

200PSI / 250PSI / 300PSI

Connection Ends

ANSI B16.1 Class125/150
EN1092-2 PN16
AWWA C 606

Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge Disc	Ductile Iron EPDM Coated	
Disc Nut	Bronze	ASTM B62
Stem	Stainless Steel	AISI 304/302
Gasket	EPDM	Commercial
Bonnet	Ductile Iron	A536 65-45-12
Thrust Collar	Bronze	ASTM B62
Gland	Ductile Iron	A536 65-45-12
Wrench Nut	Ductile Iron	A536 65-45-12
Post Plate	Ductile Iron	A536 65-45-12

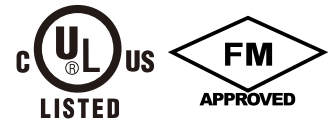
Dimensions(mm/inch):

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	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00
H	mm	279	279	305	324	394	428	537	640	723
	inch	10.98	10.98	12.01	12.76	15.51	16.85	21.14	25.20	28.46
D	mm	305	305	305	305	305	305	305	305	305
	inch	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01

Gate Valve

Resilient Seated NRS Type-Groove-Groove Ends

Fig. 322GG-300
322GG-250
322GG-200



Valve Standard

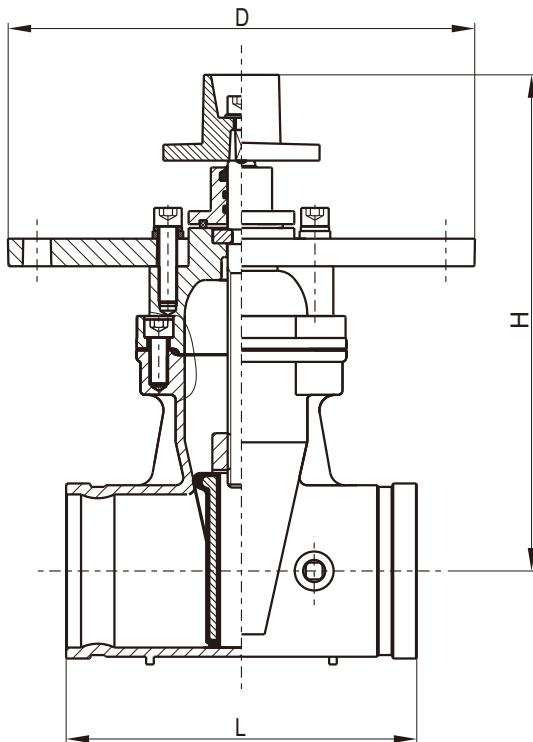
Conforms to AWWA C515 / BS5163

Working pressure

200PSI / 250PSI / 300PSI

Connection Ends

AWWA C 606



Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge Disc	Ductile Iron EPDM Coated	
Disc Nut	Bronze	ASTM B62
Stem	Stainless Steel	AISI 304/302
Gasket	EPDM	Commercial
Bonnet	Ductile Iron	A536 65-45-12
Thrust Collar	Bronze	ASTM B62
Gland	Ductile Iron	A536 65-45-12
Wrench Nut	Ductile Iron	A536 65-45-12
Post Plate	Ductile Iron	A536 65-45-12

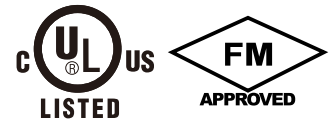
Dimensions(mm/inch):

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	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00
H	mm	279	279	305	324	394	428	537	640	723
	inch	10.98	10.98	12.01	12.76	15.51	16.85	21.14	25.20	28.46
D	mm	305	305	305	305	305	305	305	305	305
	inch	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01

Gate Valve

Resilient Seated NRS Type-MJ-MJ Ends

Fig. 322JJ-300
322JJ-250
322JJ-200



Valve Standard

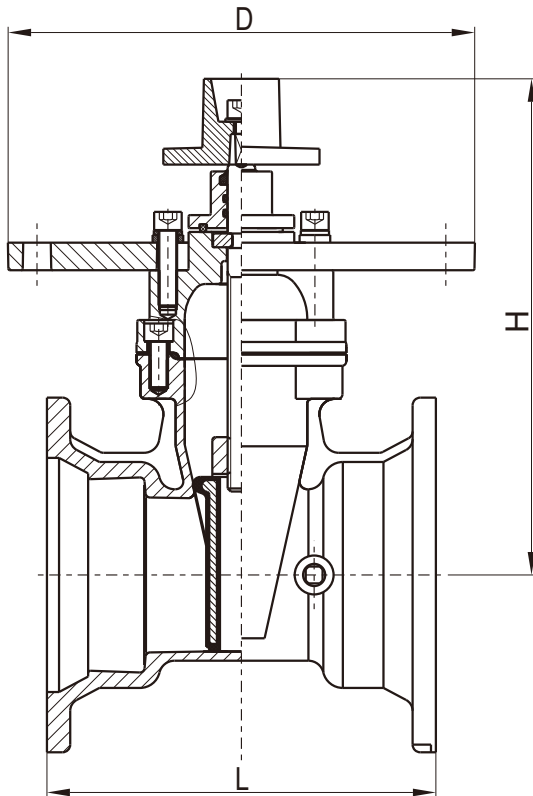
Conforms to AWWA C515 / BS5163

Working pressure

200PSI / 250PSI / 300PSI

Connection Ends

AWWA C 153 / A21.11



Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge Disc	Ductile Iron EPDM Coated	
Disc Nut	Bronze	ASTM B62
Stem	Stainless Steel	AISI 304/302
Gasket	EPDM	Commercial
Bonnet	Ductile Iron	A536 65-45-12
Thrust Collar	Bronze	ASTM B62
Gland	Ductile Iron	A536 65-45-12
Wrench Nut	Ductile Iron	A536 65-45-12
Post Plate	Ductile Iron	A536 65-45-12

Dimensions(mm/inch):

SIZE	mm	80	100	150	200	250	300
	inch	3	4	6	8	10	12
L	mm	241	254	292	318	375	378
	inch	9.49	10.00	11.50	12.52	14.76	14.88
H	mm	305	324	428	537	640	723
	inch	12.01	12.76	16.85	21.14	25.20	28.46
D	mm	305	305	305	305	305	305
	inch	12.01	12.01	12.01	12.01	12.01	12.01

Gate Valve

Resilient Seated NRS Type-Flanged-MJ Ends

Fig. 322FJ-300
322FJ-250
322FJ-200



Valve Standard

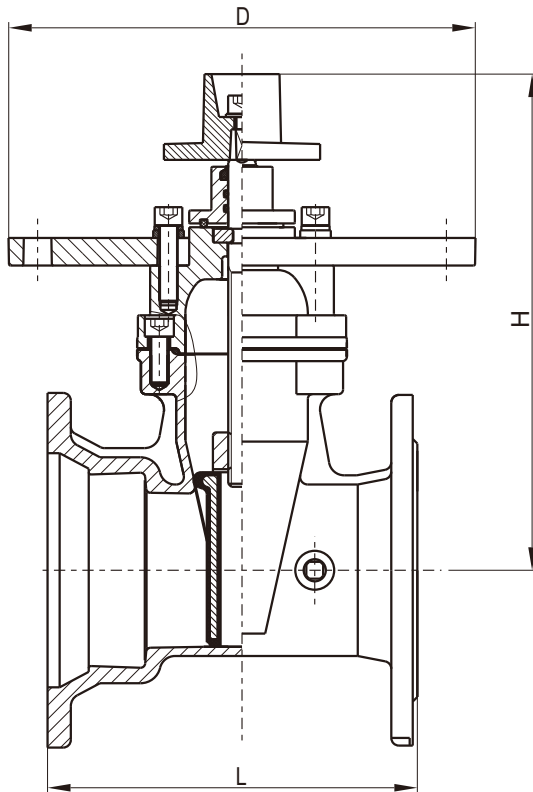
Conforms to AWWA C515 / BS5163

Working pressure

200PSI / 250PSI / 300PSI

Connection Ends

AWWA C 153 / A21.11
ANSI B16.1 CLASS125/150
EN1092-2 PN16



Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge Disc	Ductile Iron EPDM Coated	
Disc Nut	Bronze	ASTM B62
Stem	Stainless Steel	AISI 304/302
Gasket	EPDM	Commercial
Bonnet	Ductile Iron	A536 65-45-12
Thrust Collar	Bronze	ASTM B62
Gland	Ductile Iron	A536 65-45-12
Wrench Nut	Ductile Iron	A536 65-45-12
Post Plate	Ductile Iron	A536 65-45-12

Dimensions(mm/inch):

SIZE	mm	80	100	150	200	250	300
	inch	3	4	6	8	10	12
L	mm	222.0	241.5	279.5	305.0	352.5	367.0
	inch	8.74	9.51	11.00	12.01	13.88	14.45
H	mm	305	324	428	537	640	723
	inch	12.01	12.76	16.85	21.14	25.20	28.46
D	mm	305	305	305	305	305	305
	inch	12.01	12.01	12.01	12.01	12.01	12.01

Gate Valve

Resilient Seated OS&Y Type-Flanged Ends

Fig. 333FF-300
333FF-250
333FF-200



Valve Standard

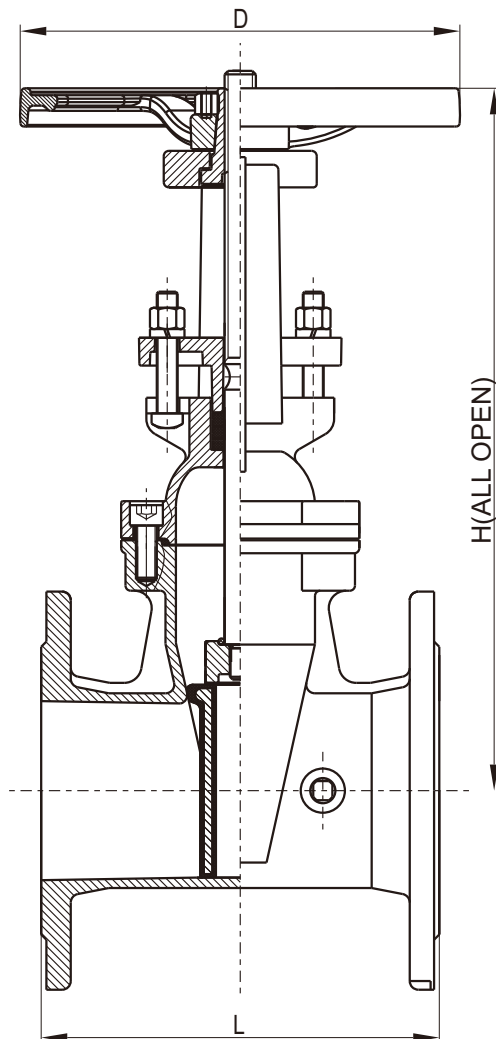
Conforms to AWWA C515 / BS5163

Working pressure

200PSI / 250PSI / 300PSI

Connection Ends

ANSI B16.1 Class125/150
EN1092-2 PN16



Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron EPDM Coated	
Wedge Nut	Stainless Steel	AISI304
Stem	Stainless Steel	AISI304/302
Bonnet	Ductile Iron	A536 65-45-12
Gasket	EPDM	Commercial
Packing	Graphite	Non-asbestos
Stem Nut	Bronze	ASTM B62
Handwheel	Ductile Iron	A536 65-45-12

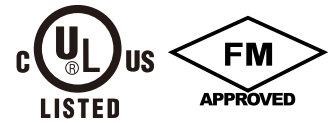
Dimensions(mm/inch):

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	178.0	191.0	203.0	229.0	254.0	267.0	292.0	330.0	356.0
	inch	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00
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	7.20	7.20	9.96	9.96	12.05	12.05	13.98	17.52	17.52

Gate Valve

Resilient Seated OS&Y Type-Flanged Ends

Fig. 333FF-250(DN350-DN450)
333FF-200(DN500-DN600)



Valve Standard

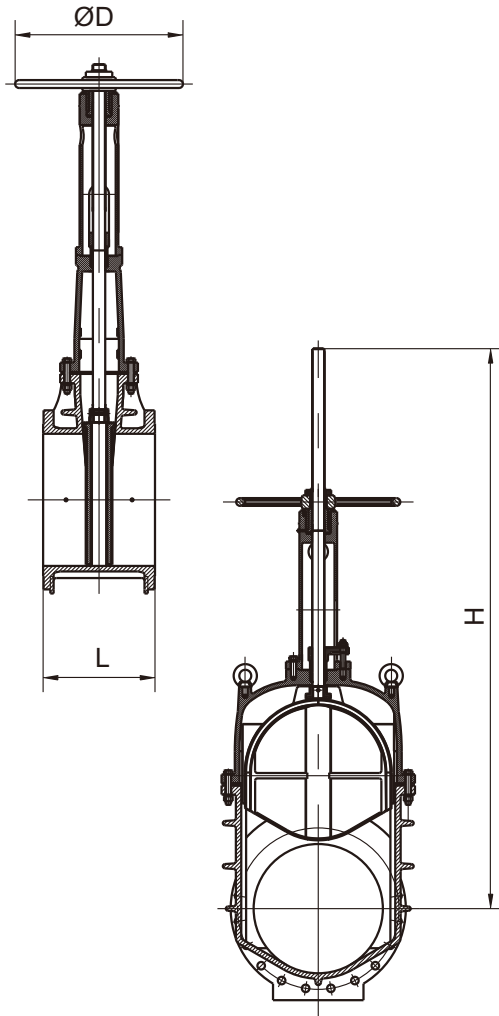
Conforms to AWWA C515 / BS5163

Working pressure

200PSI / 250PSI

Connection Ends

ANSI B16.1 Class125/150
EN1092-2 PN16



Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron EPDM Coated	
Wedge Nut	Stainless Steel	AISI304
Stem	Stainless Steel	AISI304/302
Bonnet	Ductile Iron	A536 65-45-12
Gasket	EPDM	Commercial
Packing	Graphite	Non-asbestos
Stem Nut	Bronze	ASTM B62
Handwheel	Ductile Iron	A536 65-45-12

Dimensions(mm/inch):

SIZE	mm	350	400	450	500	600
	inch	14	16	18	20	24
L	mm	381	406	432	457	508
	inch	15.00	15.98	17.01	17.99	20.00
H	mm	1577	1800	2048	2297	2600
	inch	62.09	70.87	80.63	90.43	102.36
D	mm	508	558	610	610	762
	inch	20.00	21.97	24.02	24.02	30.00

Gate Valve

Resilient Seated OS&Y Type-Flange-Groove Ends

Fig. 333FG-300
333FG-250
333FG-200



Valve Standard

Conforms to AWWA C515 / BS5163

Working pressure

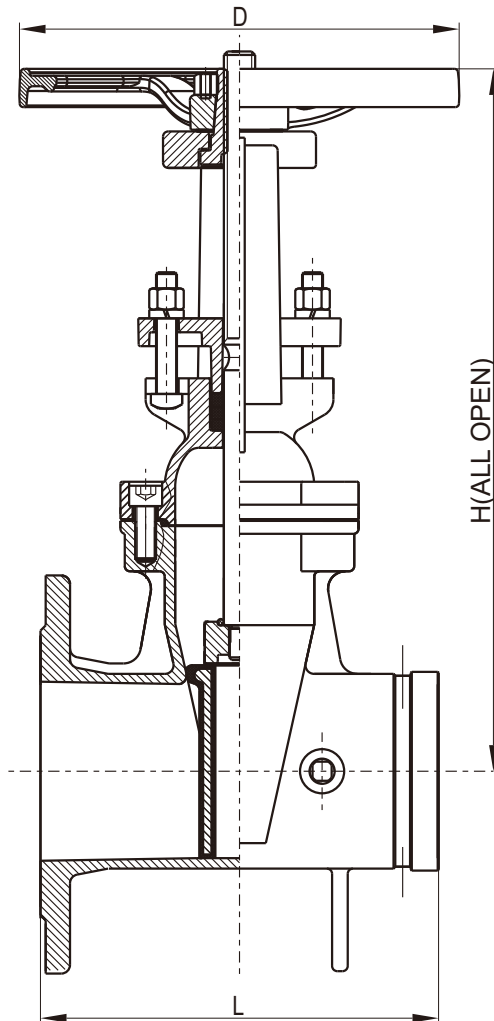
200PSI / 250PSI / 300PSI

Connection Ends

ANSI B16.1 Class125/150
EN1092-2 PN16
AWWA C 606

Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron EPDM Coated	
Wedge Nut	Stainless Steel	AISI304
Stem	Stainless Steel	AISI304/302
Bonnet	Ductile Iron	A536 65-45-12
Gasket	EPDM	Commercial
Packing	Graphite	Non-asbestos
Stem Nut	Bronze	ASTM B62
Handwheel	Ductile Iron	A536 65-45-12



Dimensions(mm/inch):

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	178.0	191.0	203.0	229.0	254.0	267.0	292.0	330.0	356.0
	inch	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00
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	7.20	7.20	9.96	9.96	12.05	12.05	13.98	17.52	17.52

Gate Valve

Resilient Seated OS&Y Type-Groove-Groove Ends

Fig. 333GG-300
333GG-250
333GG-200



Valve Standard

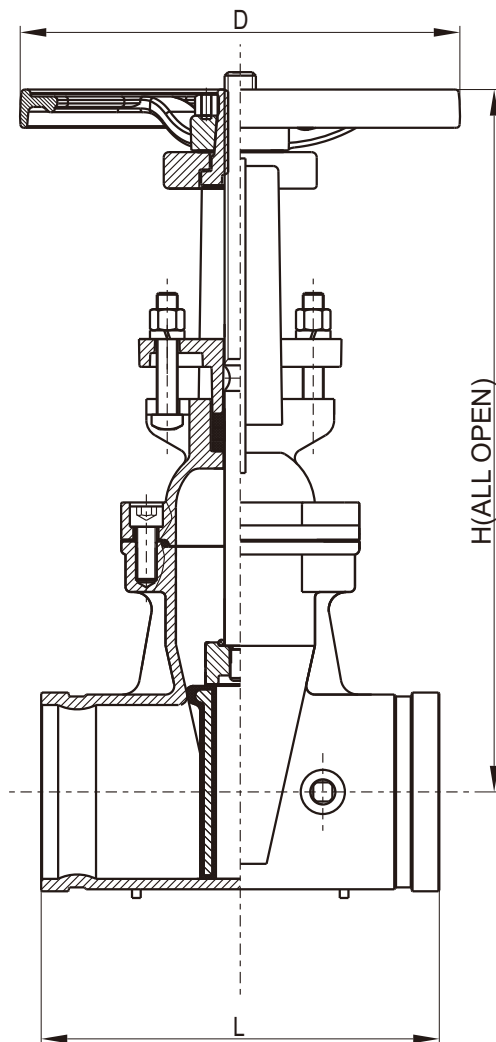
Conforms to AWWA C515 / BS5163

Working pressure

200PSI / 250PSI / 300PSI

Connection Ends

AWWA C 606



Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron EPDM Coated	
Wedge Nut	Stainless Steel	AISI304
Stem	Stainless Steel	AISI304/302
Bonnet	Ductile Iron	A536 65-45-12
Gasket	EPDM	Commercial
Packing	Graphite	Non-asbestos
Stem Nut	Bronze	ASTM B62
Handwheel	Ductile Iron	A536 65-45-12

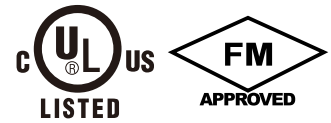
Dimensions(mm/inch):

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	178.0	191.0	203.0	229.0	254.0	267.0	292.0	330.0	356.0
	inch	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00
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	7.20	7.20	9.96	9.96	12.05	12.05	13.98	17.52	17.52

Gate Valve

Resilient Seated OS&Y Type-MJ-MJ Ends

Fig. 333JJ-300
333JJ-250
333JJ-200



Valve Standard

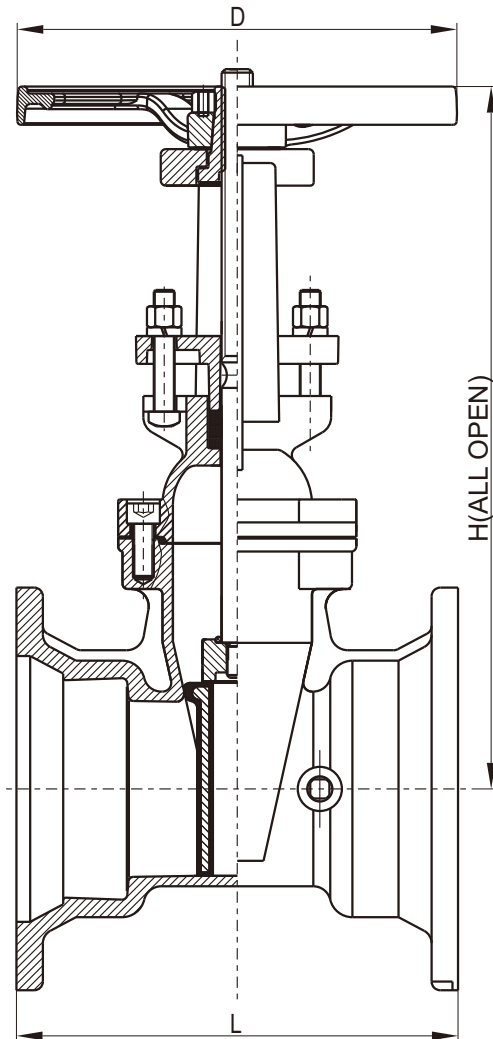
Conforms to AWWA C515 / BS5163

Working pressure

200PSI / 250PSI / 300PSI

Connection Ends

AWWA C153/A21.11



Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron EPDM Coated	
Wedge Nut	Stainless Steel	AISI304
Stem	Stainless Steel	AISI304/302
Bonnet	Ductile Iron	A536 65-45-12
Gasket	EPDM	Commercial
Packing	Graphite	Non-asbestos
Stem Nut	Bronze	ASTM B62
Handwheel	Ductile Iron	A536 65-45-12

Dimensions(mm/inch):

SIZE	mm	80	100	150	200	250	300
	inch	3	4	6	8	10	12
L	mm	241	254	292	318	375	378
	inch	9.49	10.00	11.50	12.52	14.76	14.88
H	mm	462	514	709	922	1116	1300
	inch	18.19	20.24	27.91	36.30	43.94	51.18
D	mm	253	253	306	355	445	445
	inch	9.96	9.96	12.05	13.98	17.52	17.52

Gate Valve

Resilient Seated OS&Y Type-Flanged-MJ Ends

Fig. 333FJ-300
333FJ-250
333FJ-200



Valve Standard

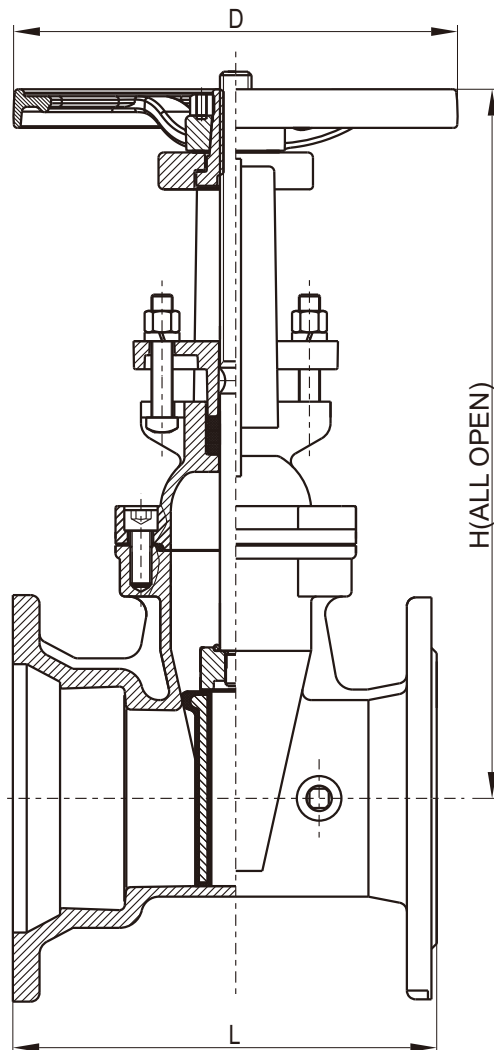
Conforms to AWWA C515 / BS5163

Working pressure

200PSI / 250PSI / 300PSI

Connection Ends

AWWA C153/A21.11
ANSI B16.1 CLASS125/150
EN1092-2 PN16



Materials List

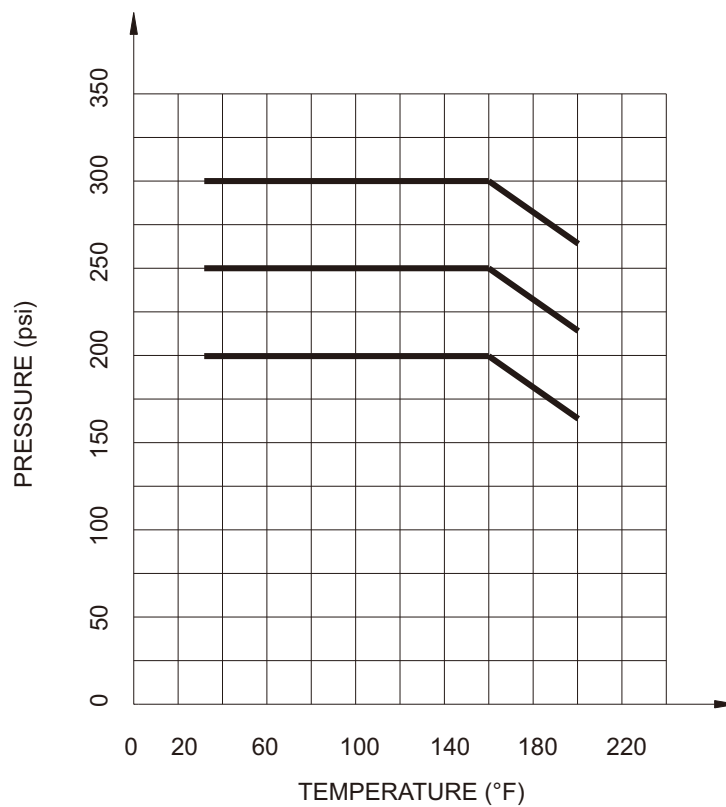
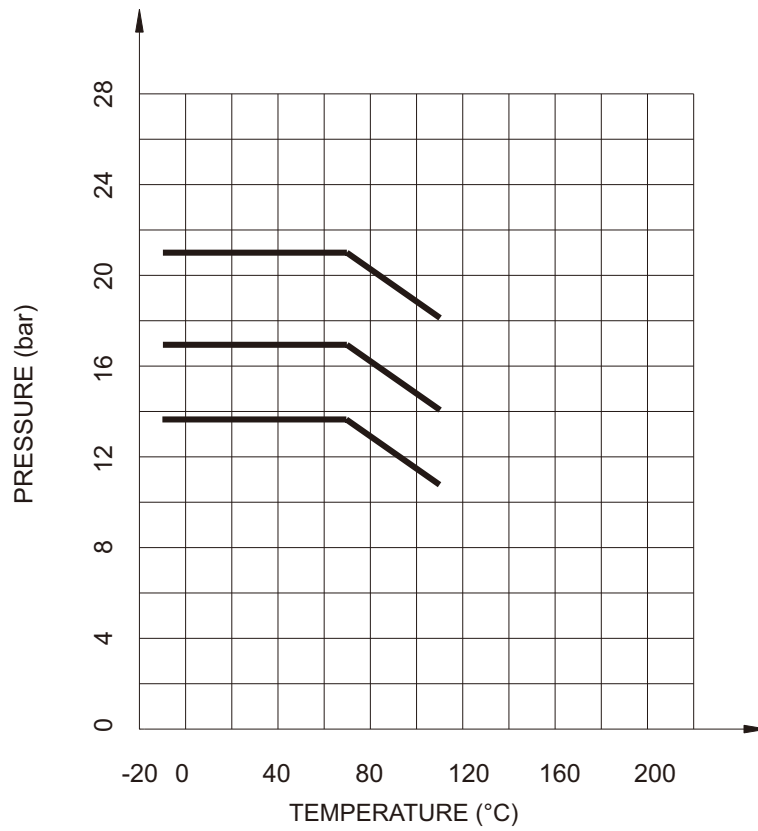
Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron EPDM Coated	
Wedge Nut	Stainless Steel	AISI304
Stem	Stainless Steel	AISI304/302
Bonnet	Ductile Iron	A536 65-45-12
Gasket	EPDM	Commercial
Packing	Graphite	Non-asbestos
Stem Nut	Bronze	ASTM B62
Handwheel	Ductile Iron	A536 65-45-12

Dimensions(mm/inch):

SIZE	mm	80	100	150	200	250	300
	inch	3	4	6	8	10	12
L	mm	222	241.5	279.5	305	352.5	367
	inch	8.74	9.51	11.00	12.01	13.88	14.45
H	mm	462	514	709	922	1116	1300
	inch	18.19	20.24	27.91	36.30	43.94	51.18
D	mm	253	253	306	355	445	445
	inch	9.96	9.96	12.05	13.98	17.52	17.52

Gate Valve

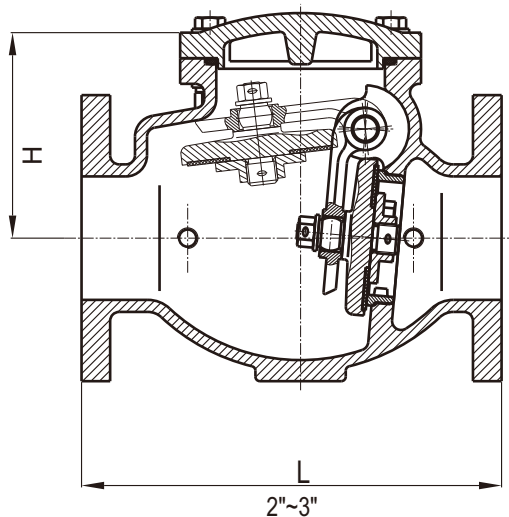
Pressure-Temperature Chart



Swing Check Valve

Resilient Seated Flanged Ends

Fig. 50FF-300
50FF-250
50FF-200



Valve Standard

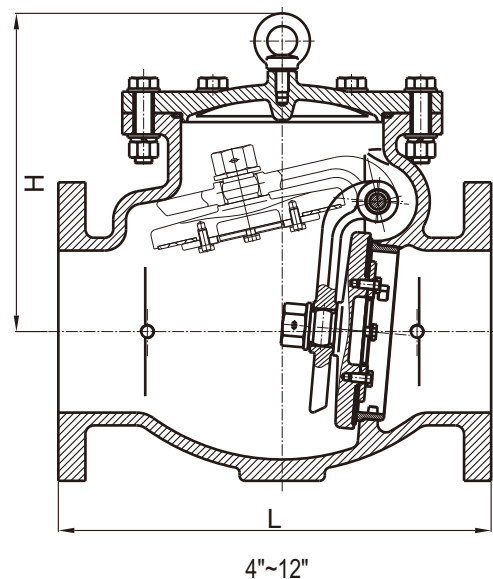
Conforms to AWWA C508, Clear Waterway

Working pressure

200PSI / 250PSI / 300PSI

Flanged Ends

ANSI B16.1 Class125/150/250,
EN1092-2 PN10/PN16/PN25
BS10 Table D/Table E



Materials List

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Cover	Ductile Iron	A536 65-45-12
Clapper	Ductile Iron	A536 65-45-12
Clapper Arm	Ductile Iron	A536 65-45-12
Disc Seals	EPDM	
Hinge Pin	Stainless Steel	AISI 304
Seat	Bronze	ASTM B62
	Stainless Steel	AISI 304

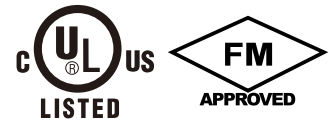
Dimensions(mm/inch)

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	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	122	133	136.5	219.5	296	298.5	357	410	463
	inch	4.80	5.23	5.37	8.64	11.65	11.75	14.06	16.14	18.31

Swing Check Valve

Resilient Seated Flanged Ends

Fig. 55FF-300
55FF-250
55FF-200



Valve Standard

Conforms to AWWA C508, Clear Waterway

Working pressure

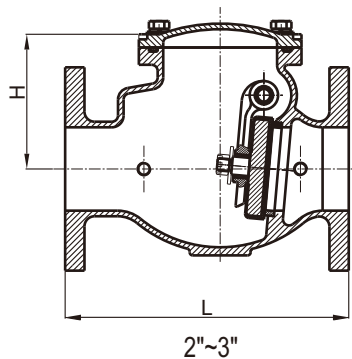
200PSI / 250PSI / 300PSI

Flanged Ends

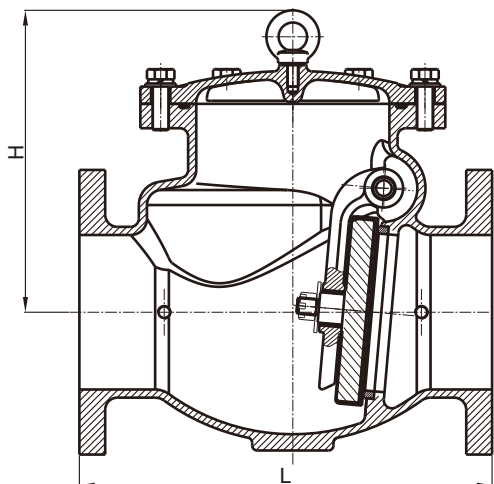
ANSI B16.1 Class125/150/250,
EN1092-2 PN10/PN16/PN25
BS10 Table D/Table E

Materials List

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 B62



2"~3"



4"~12"

Dimensions(mm/inch)

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	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

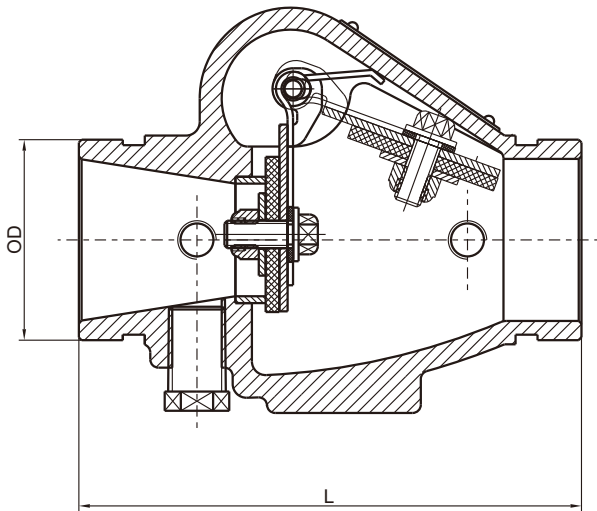
Swing Check Valve

Resilient Seated Grooved Ends

Fig. 50GG-300
50GG-250
50GG-200

Working pressure
200PSI / 250PSI / 300PSI

Connection Ends
AWWA C 606



Materials List

Part Name	Material	ASTM Specification
Body	Ductile Iron	A536 65-45-12
Seat	Bronze	ASTM B62
Clapper	Stainless Steel	AISI 304
Facing Seal	EPDM Rubber	
Clamping Ring	Stainless Steel	AISI 304
Gasket	EPDM Rubber	
Spring	Stainless Steel	AISI 304
Hinge Pin	Stainless Steel	AISI 304
Bolt	Stainless Steel	AISI 304
Lockmul	Stainless Steel	AISI 304
Plug 1/4" NPT	Carbon Steel	
Plug 1/2" NPT	Carbon Steel	

Dimensions(mm/inch)

SIZE	mm	50	65	80	100	125	150	200
	inch	2	2½	3	4	5	6	8
L	mm	169	183	198	218	248	270	325
	inch	6.65	7.20	7.80	8.58	9.76	10.63	12.80
OD	mm	60.3	73.0/76.1	88.9	114.3	139.7/141.3	165.1/168.3	219.1

Check Valve

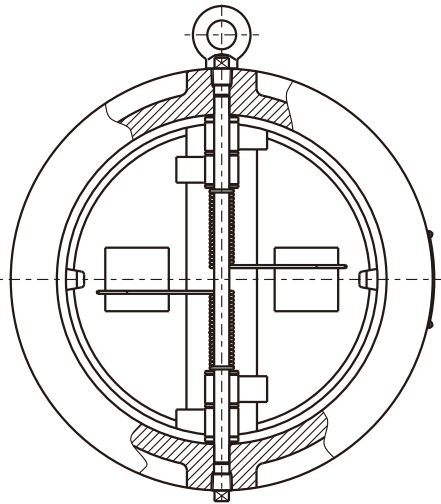
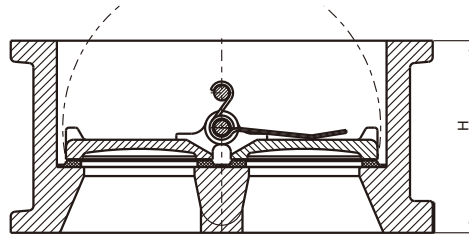
Resilient Seated Wafer Ends

Fig. 50W-300
50W-250
50W-200

Valve Standard
Conforms to API 594

Working pressure
200PSI / 250PSI / 300PSI

Flanged Ends
ANSI B16.1 Class125/150



Materials List

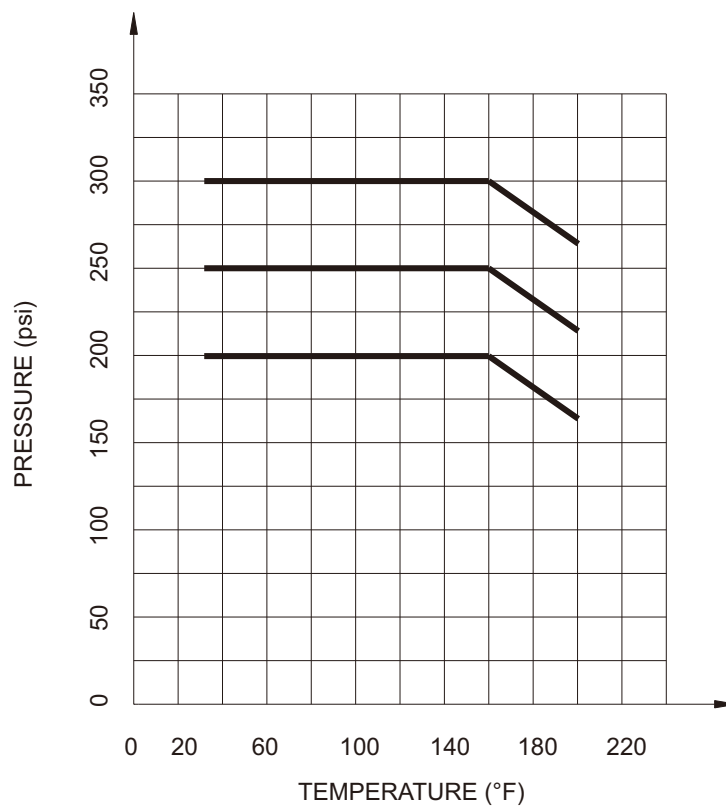
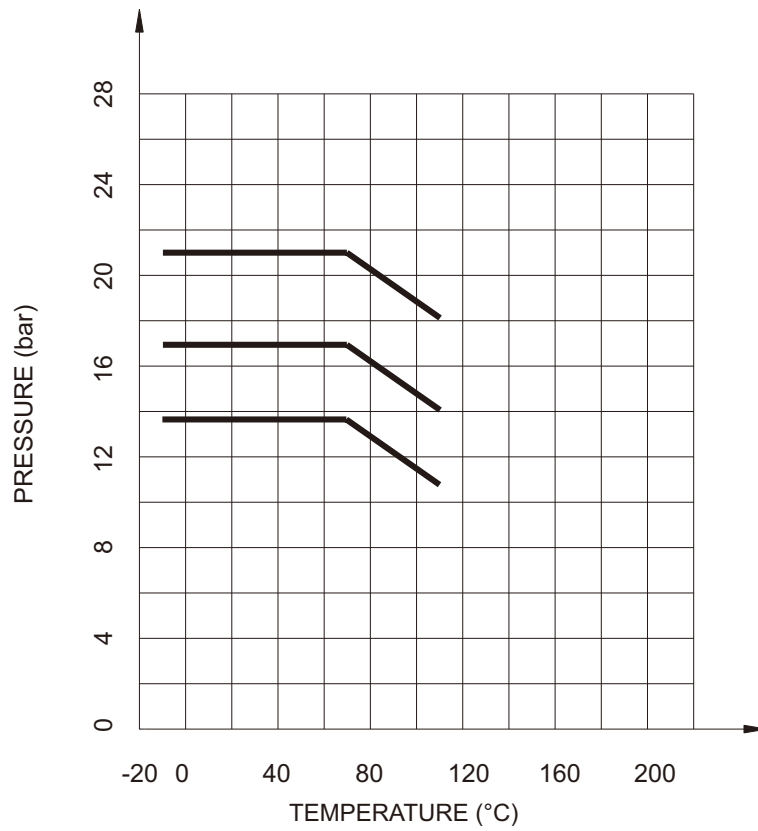
Part	Material	ASTM Spec.
Body	Cast Iron	A126 Class B
	Ductile Iron	A536 65-45-12
Disc	Ductile Iron	A536 65-45-12
	Aluminum Bronze	B584 C95400
	Stainless Steel	A351 CF8
	Stainless Steel	A351 CF8M
Stem	Stainless Steel	AISI 316
Seat-Ring	EPDM / NBR	Commercial
Spring	Stainless Steel	AISI 316
	Stainless Steel	AISI 304

Dimensions(mm/inch)

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	3	4	5	6	8	10	12
H	mm	54	60	67	67	83	95	127	140	181
	inch	2.13	2.36	2.64	2.64	3.27	3.74	5.00	5.51	7.13

Check Valve

Pressure-Temperature Chart



Y Strainer

Flange-Flange Ends

Fig. 70FF-300
70FF-250
70FF-200



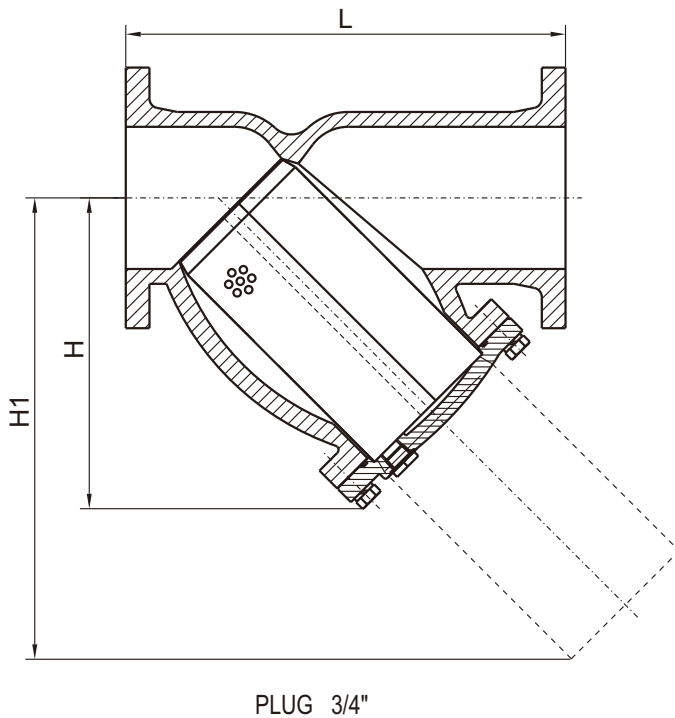
Working pressure
200PSI / 250PSI / 300PSI

Flanged Ends

ANSI B16.1 Class125/150/250,
EN1092-2 PN10/PN16/PN25
BS10 Table D/Table E

Materials List

Component	Material	Specification
Body	Ductile Iron	A536 65-45-12
Cover	Ductile Iron	A536 65-45-12
Screen	Stainless Steel	AISI 304
Gasket	EPDM	
Plug	Carbon Steel	



Dimensions(mm/inch)

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	3	4	5	6	8	10	12
L	mm	203	254	260	308	398	472	550	654	762
	inch	7.99	10	10.24	12.13	15.67	18.58	21.65	25.75	30
H	mm	132	158	175	202	290	334	391	460	590
	inch	5.20	6.22	6.89	7.99	11.42	13.15	15.39	18.11	23.23
H1	mm	195	240	270	320	425	495	570	700	840
	inch	7.68	9.45	10.63	12.60	16.73	19.49	22.44	27.56	33.07

Y Strainer

Flange-Groove Ends

Fig. 70FG-300
70FG-250
70FG-200



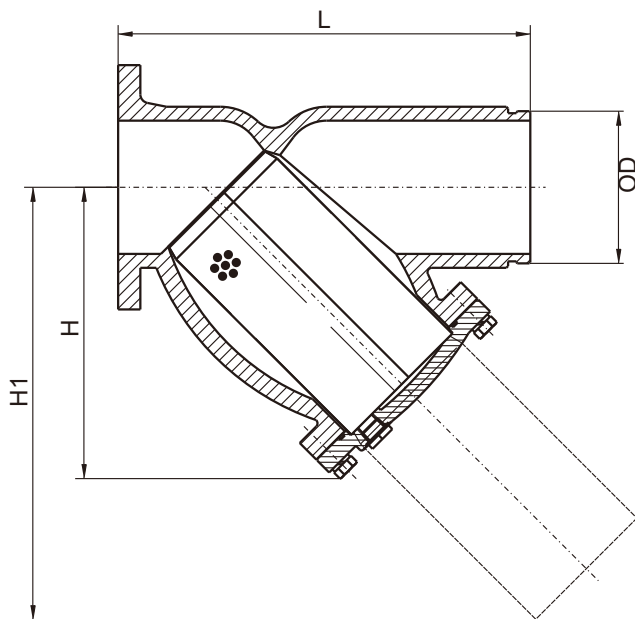
Working pressure
200PSI / 250PSI / 300PSI

Flanged Ends

ANSI B16.1 Class125/150/250,
EN1092-2 PN10/PN16/PN25
BS10 Table D/Table E
AWWA C 606

Materials List

Component	Material	Specification
Body	Ductile Iron	A536 65-45-12
Cover	Ductile Iron	A536 65-45-12
Screen	Stainless Steel	AISI 304
Gasket	EPDM	
Plug	Carbon Steel	



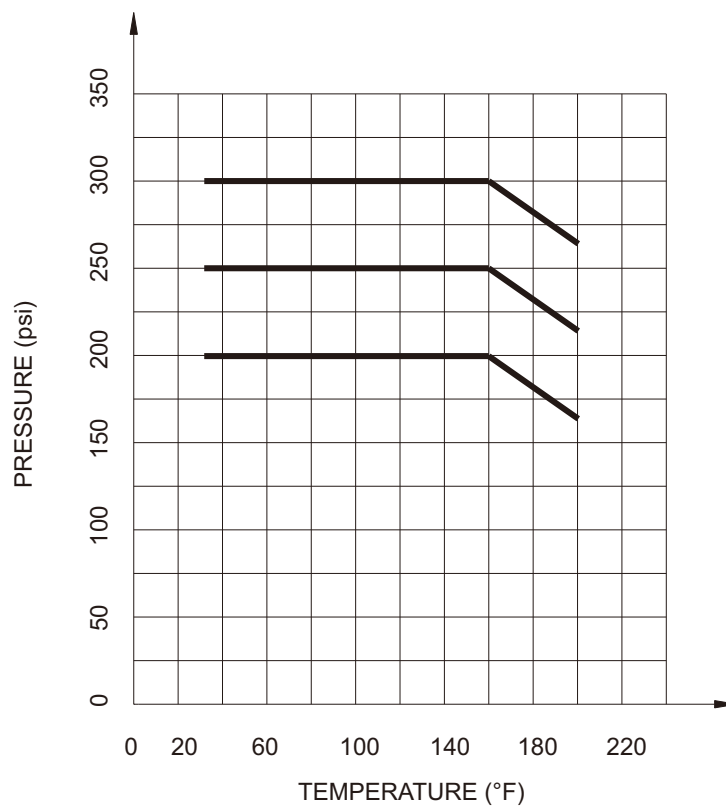
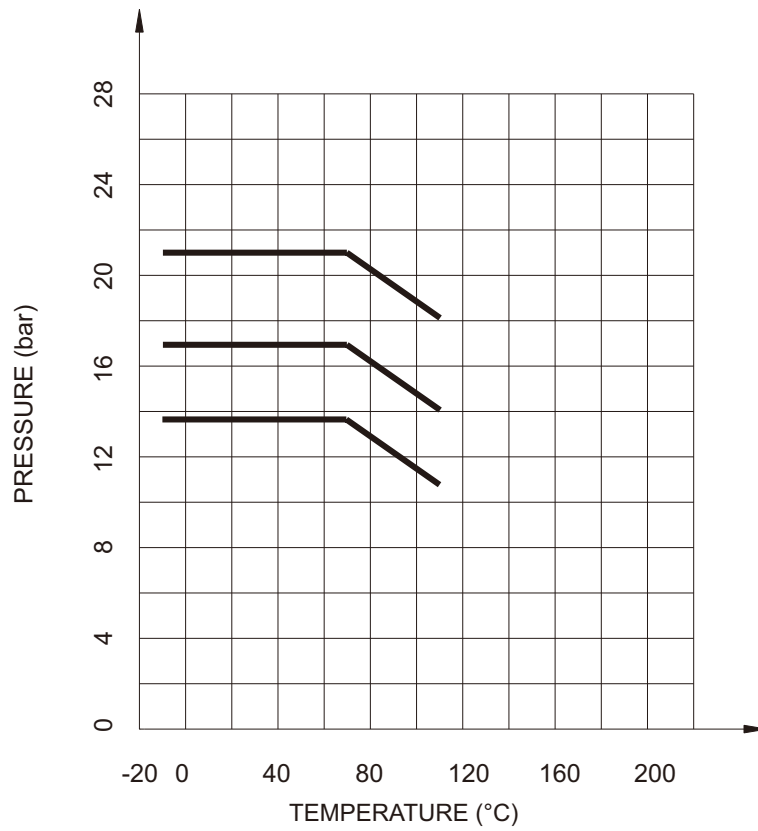
PLUG 3/4"

Dimensions(mm/inch)

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	3	4	5	6	8	10	12
L	mm	203	254	260	308	398	472	550	654	762
	inch	8	10	10.24	12.13	15.67	18.58	21.65	25.75	30
H	mm	130	158	175	202	290	334	391	460	590
	inch	5.12	6.22	6.89	7.95	11.42	13.15	15.39	18.11	23.23
H1	mm	195	240	270	320	425	495	570	700	840
	inch	7.68	9.45	10.63	12.60	16.73	19.49	22.44	27.56	33.07
OD	mm	60.3	73.0/76.1	88.9	114.3	139.7/141.3	165.1/168.3	219.1	273	323.9
	inch	2.37	2.87/3	3.50	4.5	5.5/5.56	6.5/6.63	8.63	10.75	12.75

Y Strainer

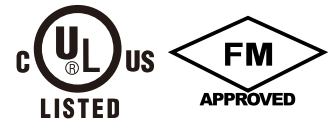
Pressure-Temperature Chart



Butterfly Valve

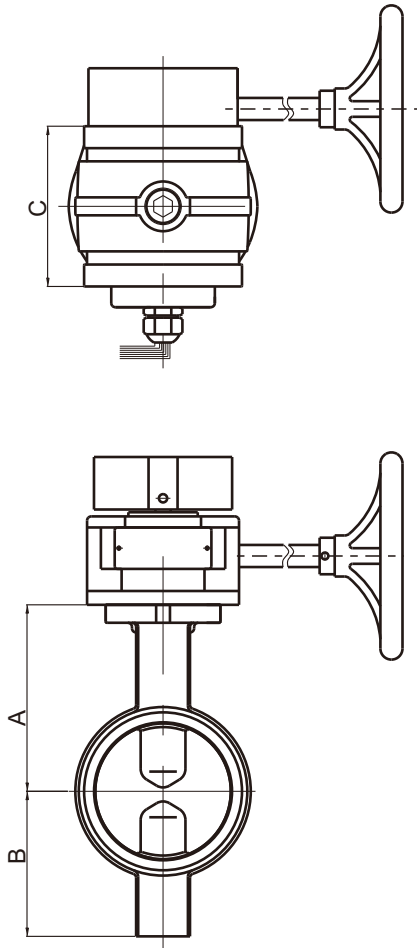
Resilient Seated Grooved Ends

Fig. 20GG-300



Working pressure
300PSI

Flanged Ends
AWWA C606



Materials List

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

Dimensions(mm/inch)

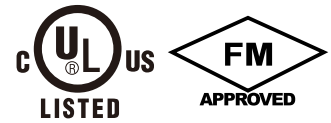
SIZE	mm	65	80	100	125	150	200	250
	inch	2½	3	4	5	6	8	10
A	mm	96	105	135	148	165	204	245
	inch	3.78	4.13	5.31	5.83	6.50	8.03	9.65
B	mm	75	90	110	127	145	175	210
	inch	2.95	3.54	4.33	5.00	5.71	6.89	8.27
C	mm	98	98	116	149	149	134	160
	inch	3.86	3.86	4.57	5.87	5.87	5.28	6.30
OD	mm	73.0/76.1	88.9	114.3	139.7/141.3	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.

Butterfly Valve

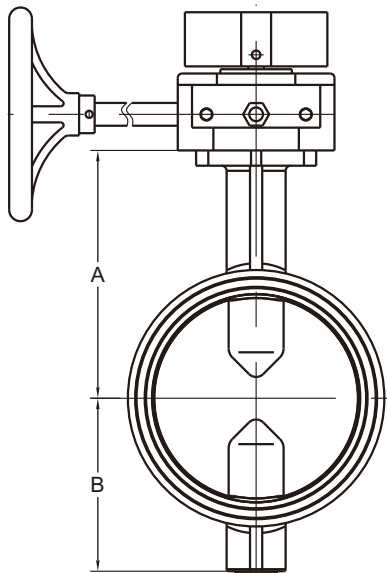
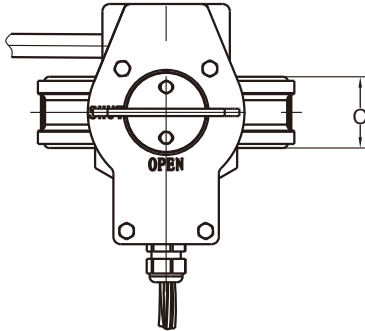
Resilient Seated Wafer Ends

Fig.25W-300
25W-250
25W-200



Working pressure
200PSI / 250PSI / 300PSI

Flanged Ends
ANSI B16.1 Class125/150
EN1092-2 PN10/PN16/PN25



Materials List

Component	Material	Specification
Body	Ductile Iron	A536 65-45-12
Disc	Ductile Iron EPDM Coated	
Upper&Lower Stems	Stainless Steel	AISI 410
Worn Gear Shaft	Stainless Steel	AISI 410
Housing	Cast Iron	A126 B
Hand Wheel	Ductile Iron	A536 65- 45-12B
O-Rings(All)	EPDM Grade"E"	

Dimensions(mm/inch)

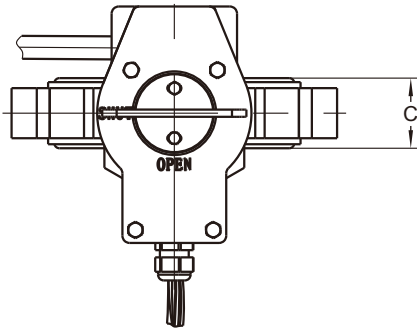
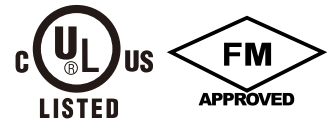
SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	3	4	5	6	8	10	12
A	mm	141	153	158	176	191	203	244	273	311
	inch	5.55	6.02	6.22	6.93	7.52	7.99	9.61	10.75	12.24
B	mm	78	78	85	105	128	140	170	205	258
	inch	3.07	3.07	3.35	4.13	5.04	5.51	6.69	8.07	10.16
C	mm	43	46	46	52	56	56	62	68	78
	inch	1.69	1.81	1.81	2.05	2.20	2.20	2.44	2.68	3.07

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

Butterfly Valve

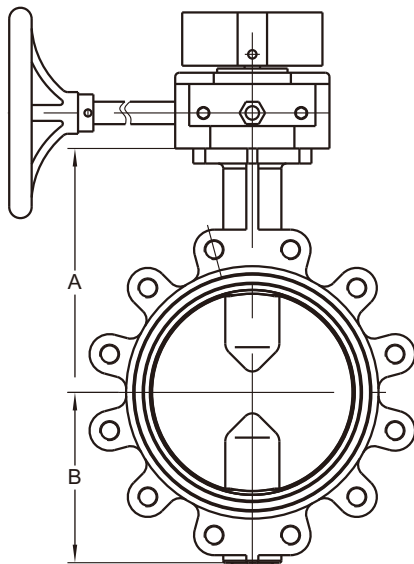
Resilient Seated Lug Ends

Fig.25L-200
25L-250
25L-300



Working pressure
200PSI / 250PSI / 300PSI

Flanged Ends
ANSI B16.1 Class125/150,
EN1092-2 PN16



Materials List

Component	Material	Specification
Body	Ductile Iron	A536 65-45-12
Disc	Ductile Iron EPDM Coated	
Upper&Lower Stems	Stainless Steel	AISI 410
Worn Gear Shaft	Stainless Steel	AISI 410
Housing	Cast Iron	A126 B
Hand Wheel	Ductile Iron	A536 65- 45-12B
O-Rings(All)	EPDM Grade"E"	

Dimensions(mm/inch)

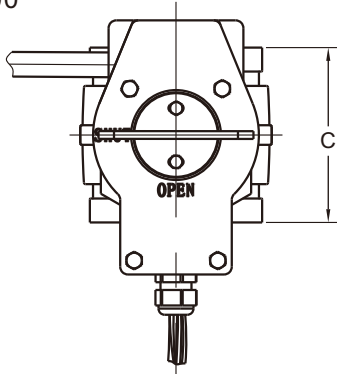
SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	3	4	5	6	8	10	12
A	mm	141	153	158	176	191	203	244	273	311
	inch	5.55	6.02	6.22	6.93	7.52	7.99	9.61	10.75	12.24
B	mm	78	78	85	105	128	140	170	205	258
	inch	3.07	3.07	3.35	4.13	5.04	5.51	6.69	8.07	10.16
C	mm	43	46	46	52	56	56	62	68	78
	inch	1.69	1.81	1.81	2.05	2.20	2.20	2.44	2.68	3.07

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

Butterfly Valve

Resilient Seated Grooved Ends

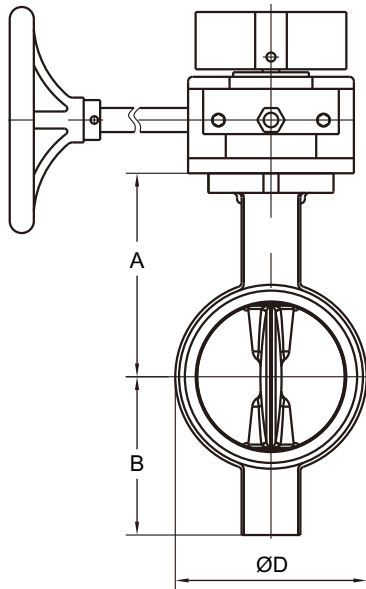
Fig. 25GG-200
25GG-250
25GG-300



Working pressure
200PSI / 250PSI / 300PSI



Connection Ends
AWWA C606/GB/T 8260



Materials List

Component	Material	Specification
Body	Ductile Iron	A536 65-45-12
Disc	Ductile Iron EPDM Coated	
Upper&Lower Stems	Stainless Steel	AISI 410
Worn Gear Shaft	Stainless Steel	AISI 410
Housing	Cast Iron	A126 B
Hand Wheel	Ductile Iron	A536 65- 45-12B
O-Rings(All)	EPDM Grade"E"	

Dimensions(mm/inch)

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	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	6.50	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	6.30	6.50
ØD	mm	72	88	98	127	156	185	235	292	323.85
	inch	2.83	3.46	3.86	5.00	6.14	7.28	9.25	11.49	12.75

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

Air Release Valve

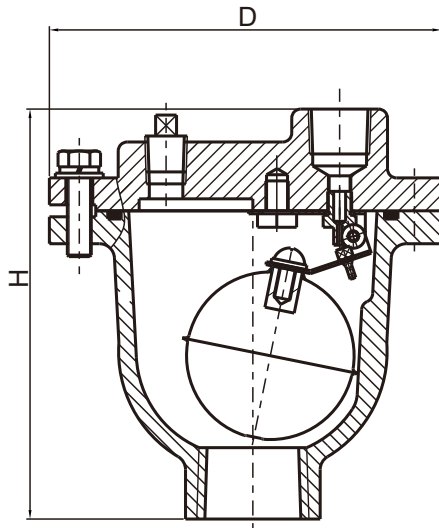
Screwed

Fig. 9712



Working pressure
200PSI

Connection Ends
NPT/BSPT/BSPP



Materials List

Part	Material	ASTM Spec.
Body	Ductile Iron	A536 65-45-12
Cover	Ductile Iron	A536 65-45-12
Level	Stainless Steel	AISI 304
Seat Ring	Stainless Steel	AISI 304
Float	Stainless Steel	AISI 304
Float Arm	Stainless Steel	AISI 304
Orifice Button	Viton	Commercial

Dimensions

DN		Inlet	Outle	Orifice	D	H
mm	inch					
15	1/2	15	15	1.6	125	137
20	3/4	20	15	1.6	125	137
25	1	25	15	1.6	125	137

Supervisory Switch

POTTER Brand

Fig. OSYSU-1
OSYSU-2

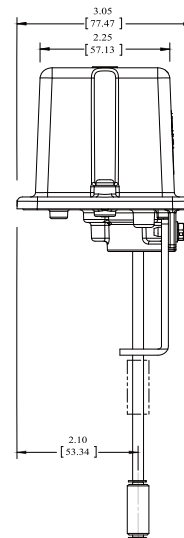
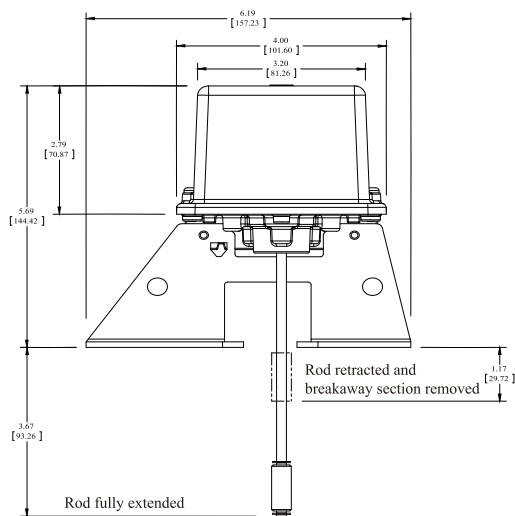


Description

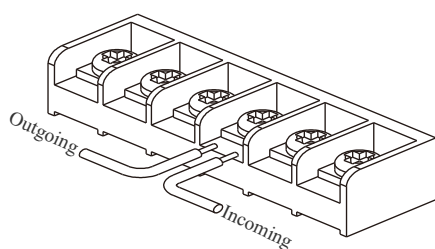
The manufactured by Potter Electric Signal Company LLC OSYSU is used to monitor the open position of an OS&Y (outside screw and yoke) type gate valve. This device is available in two models; the OSYSU-1, containing one set of SPDT (Form C) contacts and the OSYSU-2, containing two sets of SPDT (Form C) contacts. These switches mount conveniently to most OS&Y valves ranging in size from 2" to 12" (50mm to 300mm). They will mount on some valves as small as ½" (12,5mm).

The cover is held in place by two tamper resistant screws that require a special tool to remove. The tool is furnished with each device.

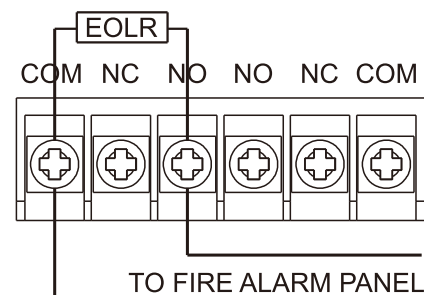
Materials List



Switch Terminal Connections Clamping Plate Terminal



Typical Electrical Connections



CAUTION

Technical data published in this catalogue have been developed from our design calculation, in-house testing, field reports provided by our customers and/or published official standard or specifications. They are good only to cover typical applications as a general guideline to users of GALA products introduced in this catalogue.

For any specific application, users are kindly requested to contact GALA for technical advice, or to carry out their own study and evaluation for providing suitability of the products to such an application. Failure to follow this request could result in property damage and/or personal injury, for which we shall not be liable.

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