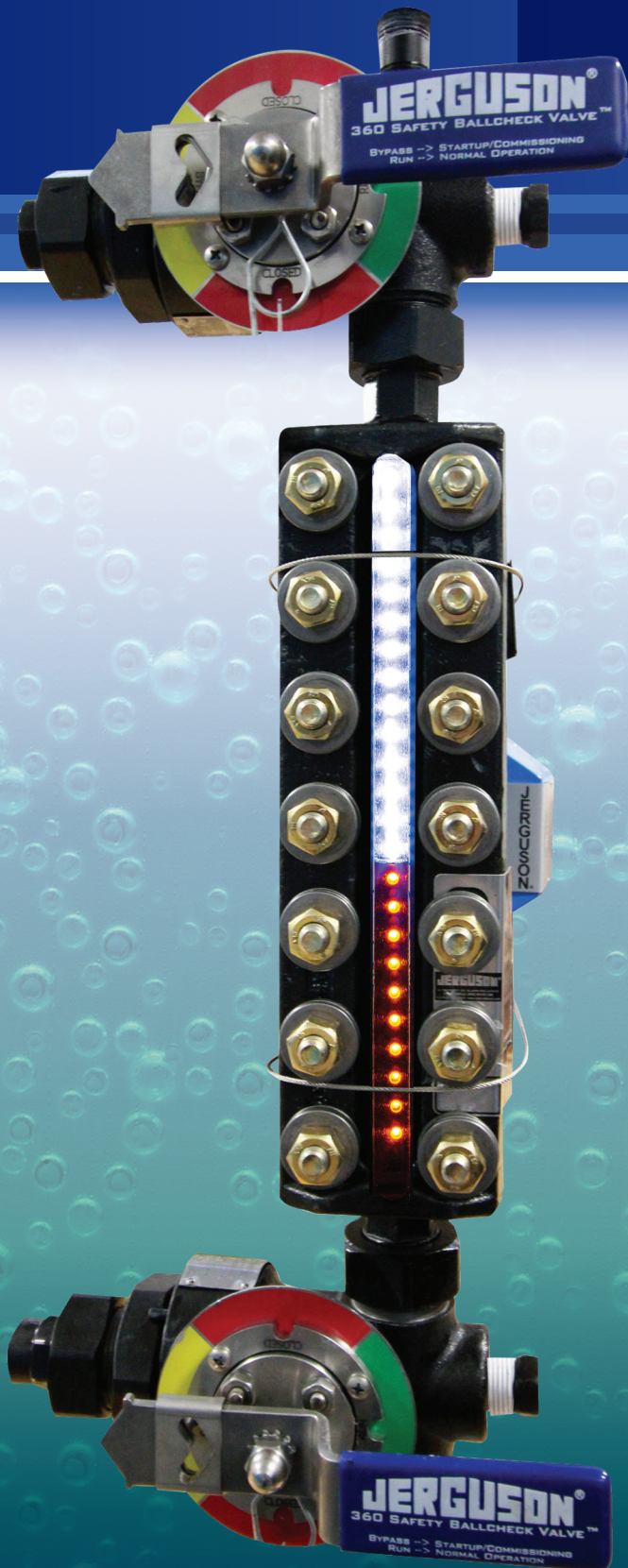
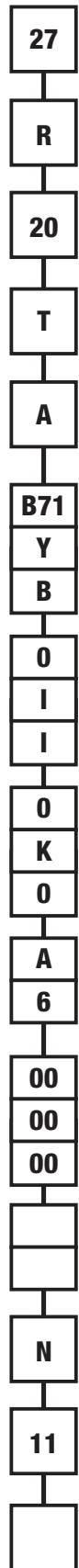


# Glass Gage SPEC GUIDE



**JERGUSON**<sup>®</sup>  
A PRODUCT OF CLARK-RELIANCE



See Page 4  
Define Your Materials, Bolting & Connections

See Page 5  
Define Your Flanges, Illuminator & Accessories

**GAGE SIZING**

Code	Description	Code	Description	Code	Description
11	One Section, Size 1 Glass	39	Three Section, Size 9 Glass	118	One Section, Size 18 Glass <sup>1</sup>
12	One Section, Size 2 Glass	47	Four Section, Size 7 Glass	120	One Section, Size 20 Glass <sup>1</sup>
13	One Section, Size 3 Glass	48	Four Section, Size 8 Glass	211	Two Section, Size 11 Glass <sup>1</sup>
14	One Section, Size 4 Glass	49	Four Section, Size 9 Glass	212	Two Section, Size 12 Glass <sup>1</sup>
15	One Section, Size 5 Glass	57	Five Section, Size 7 Glass	213	Two Section, Size 13 Glass <sup>1</sup>
16	One Section, Size 6 Glass	58	Five Section, Size 8 Glass	215	Two Section, Size 15 Glass <sup>1</sup>
17	One Section, Size 7 Glass	59	Five Section, Size 9 Glass	218	Two Section, Size 18 Glass <sup>1</sup>
18	One Section, Size 8 Glass	68	Six Section, Size 8 Glass	220	Two Section, Size 20 Glass <sup>1</sup>
19	One Section, Size 9 Glass	69	Six Section, Size 9 Glass	313	Three Section, Size 13 Glass <sup>1</sup>
23	Two Section, Size 3 Glass	78	Seven Section, Size 8 Glass	315	Three Section, Size 15 Glass <sup>1</sup>
24	Two Section, Size 4 Glass	79	Seven Section, Size 9 Glass	318	Three Section, Size 18 Glass <sup>1</sup>
25	Two Section, Size 5 Glass	88	Eight Section, Size 8 Glass	320	Three Section, Size 20 Glass <sup>1</sup>
26	Two Section, Size 6 Glass	89	Eight Section, Size 9 Glass	415	Four Section, Size 15 Glass <sup>1</sup>
27	Two Section, Size 7 Glass	98	Nine Section, Size 8 Glass	418	Four Section, Size 18 Glass <sup>1</sup>
28	Two Section, Size 8 Glass	99	Nine Section, Size 9 Glass	420	Four Section, Size 20 Glass <sup>1</sup>
29	Two Section, Size 9 Glass	111	One Section, Size 11 Glass <sup>1</sup>	518	Five Section, Size 18 Glass <sup>1</sup>
36	Three Section, Size 6 Glass	112	One Section, Size 12 Glass <sup>1</sup>	520	Five Section, Size 20 Glass <sup>1</sup>
37	Three Section, Size 7 Glass	113	One Section, Size 13 Glass <sup>1</sup>	618	Six Section, Size 18 Glass <sup>1</sup>
38	Three Section, Size 8 Glass	115	One Section, Size 15 Glass <sup>1</sup>	620	Six Section, Size 20 Glass <sup>1</sup>

**GLASS STYLE**

Code	Description
R	Reflex (Prismatic) Glass
T	Transparent (Flat) Glass

**GAGE SERIES**

Code	Description	Code	Description
20	Series 20 Gage	51	Series 51 Gage <sup>3,4</sup>
32	Series 32 Gage	L10	Series L10 Gage
40	Series 40 Gage <sup>2</sup>	300L	Series 300L Gage

**CHAMBER MATERIAL**

Code	Description	Code	Description
A	Carbon Steel	V	317SS
A32	Low Temp Carbon Steel	TT	Titanium
T	316SS	MD4	Inconel 600
K	Alloy 20	MD14	Inconel 625
LC	Alloy C276	MD15	Incoloy 825
N	Monel 400	XL2	Duplex SS
S	347SS	XL4	254SMO
Y	321SS	ZZ	Zirconium

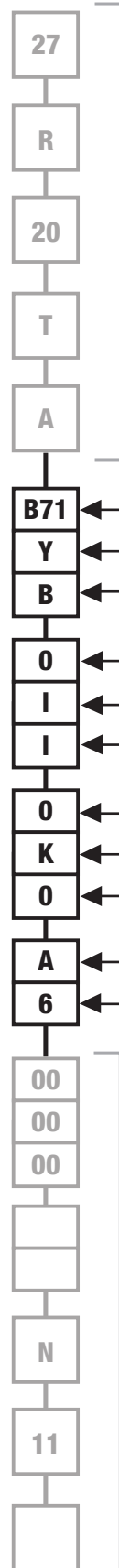
**COVER MATERIAL**

Code	Description
A	Carbon Steel
A32	Low Temp Carbon Steel
T	316SS

# Glass Gage Specification Guide

## Define Your Materials, Washers & Connections

Step 2



See Page 3  
Define Your Main Chamber & Materials

See Page 5  
Define Your Flanges, Illuminator & Accessories

### BOLTING MATERIAL

Code	Description
<b>B71</b>	ASTM A193 Gr.B7 / A194 Gr.2H
<b>B7M</b>	ASTM A193 Gr.B7M / A194 Gr.2HA <sup>5</sup>
<b>B8M</b>	ASTM A193 Gr.B8M / A194 Gr.8M

### SPRING WASHERS<sup>6</sup>

Code	Description
<b>Y</b>	Yes
<b>N</b>	No

### GLASS MATERIAL

Code	Description
<b>B</b>	Borosilicate
<b>A</b>	Aluminosilicate
<b>H</b>	High Pressure Borosilicate <sup>7</sup>

### GLASS SHIELD | SEAL GASKET MATERIAL | CUSHION GASKET MATERIAL

Code	Description	Code	Description
<b>OII</b>	No Shield, IFG5500 Seal Gasket, IFG5500 Cushion Gasket	<b>MII</b>	Mica Shield, Grafoil Seal Gasket, IFG5500 Cushion Gasket
<b>OGI</b>	No Shield, Grafoil Seal Gasket, IFG5500 Cushion Gasket	<b>MGI</b>	Mica Shield, Grafoil Seal Gasket, Grafoil Cushion Gasket
<b>OGG</b>	No Shield, Grafoil Seal Gasket, Grafoil Cushion Gasket	<b>MGG</b>	Mica Shield, GORE GR Seal Gasket, IFG5500 Cushion Gasket
<b>OTI</b>	No Shield, GORE GR Seal Gasket, IFG5500 Cushion Gasket	<b>PI</b>	PCTFE Shield, IFG5500 Cushion Gasket

### SIDE PROCESS CONNECTIONS

#### NO. OF SIDE CONNECTIONS<sup>8</sup>

Code	Description
<b>0</b>	None
<b>1TS</b>	One @ Top-Side only
<b>1TB</b>	One @ Top-Back only
<b>1BS</b>	One @ Bottom-Side only
<b>1BB</b>	One @ Bottom-Back only
<b>2RS</b>	Two Right Hand Side Connections
<b>2LS</b>	Two Left Hand Side Connections
<b>2BC</b>	Two Back Connections

#### STYLE

Code	Description
<b>A</b>	FNPT
<b>B</b>	FSW
<b>F</b>	Raised Face ASME Flange <sup>9</sup>
<b>K</b>	None

#### SIZE<sup>10,11</sup>

Code	Description
<b>4</b>	1/2"
<b>6</b>	3/4"
<b>8</b>	1"
<b>12</b>	1-1/2"
<b>16</b>	2"
<b>20</b>	2-1/2"
<b>24</b>	3"
<b>0</b>	N/A

### END CONNECTIONS

#### STYLE

Code	Description
<b>A</b>	FNPT
<b>B</b>	FSW
<b>F</b>	Raised Face ASME Flange <sup>9</sup>
<b>K</b>	None

#### SIZE<sup>10,11</sup>

Code	Description
<b>4</b>	1/2"
<b>6</b>	3/4"
<b>8</b>	1"
<b>12</b>	1-1/2"
<b>16</b>	2"
<b>20</b>	2-1/2"
<b>24</b>	3" <sup>9</sup>
<b>0</b>	N/A

#### Notes:

1. Available with 300L Gage Series only
2. Series 40 Gages are available from One Section, Size 1 Glass to Five Section Size 9 Glass
3. Series 51 Gages are available from One Section, Size 1 Glass to Four Section Size 9 Glass
4. Series 51 Gages are only available with Transparent glass
5. B7M bolting only available on T20, T32, or T300L gages.
6. Spring Washers are only available with B71 or B8M bolting
7. Available with Transparent glass only
8. Contact Factory if more than two side process connections are required
9. Contact Factory for Flat Face or RTJ flanges

10. 1/2" is the only FNPT and FSW size available on Series 40 and 51 gages
11. 1" through 3" are only available with flanged connections
12. Provide valve information separately
13. Illuminators are available on Transparent gages only
14. Intrinsically safe barrier not included with these options
15. SafeView cannot be used in conjunction with Non-Frost Extensions, Scales, Support Brackets (unless shield is modified), External Heating/Cooling Tubes, Insulation
16. Non-Frost Extensions are required with Cold Insulation
17. Support Brackets are welded to the chamber and match the chamber material

# Glass Gage Specification Guide

## Define Your Flanges, Illuminator and Accessories

27

R

20

T

A

B71

Y

B

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11

*See Page 3*  
Define Your Main Chamber & Materials

*See Page 4*  
Define Your Materials, Washers & Connections

FLANGE CLASS	
Code	Description
01	150#
03	300#
06	600#
09	900#
15	1500#
00	N/A

FLANGE STYLE	
Code	Description
SO	Slip On
SW	Socket Weld
WN	Weld Neck
00	N/A

NIPPLE SCHEDULE	
Code	Description
S80	Schedule 80
S160	Schedule 160
00	N/A

CENTER-TO-CENTER (if applicable)	
Code	Description
	The distance between the side process connections

UNITS	
Code	Description
IN	Inches
MM	Millimeters

ASSEMBLED WITH VALVES	
Code	Description
N	No
Y	Yes <sup>12</sup>

ILLUMINATOR <sup>13</sup> (Optional)	
Code	Description
EPL-100	
11	USA/Canada, 120VAC
12	USA/Canada, 240VAC
13	ATEX/IECEx, 120VAC
14	ATEX/IECEx, 240VAC
15	24VDC, Barrier + Terminal Enclosure
16	24VDC, Barrier + Field Wireable Connector
17	24VDC, Terminal Enclosure <sup>14</sup>
18	24VDC, Field Wireable Connection <sup>14</sup>
EPL-316	
31	USA/Canada, 120VAC
32	USA/Canada, 240VAC
33	ATEX/IECEx, 120VAC
34	ATEX/IECEx, 240VAC
35	24VDC, Barrier + Terminal Enclosure
36	24VDC, Barrier + Field Wireable Connector
37	24VDC, Terminal Enclosure <sup>14</sup>
38	24VDC, Field Wireable Connection <sup>14</sup>

GAGE ACCESSORIES	
Code	Description
SV	SafeView <sup>15</sup>
HI	Hot Insulation
CI	Cold Insulation <sup>16</sup>
NF	Non Frost Extension
ST	Steam Tracing
ET	Electric Tracing
IH	Internal Heating
SF	Scale Ft/In
SM	Scale M/mm
SP	Scale Percent
SB1	One Support Bracket <sup>17</sup>
SB2	Two Support Brackets <sup>17</sup>



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