

GLASS TYPES, SIZES & PRESSURE SERIES

Glass Materials

- Tempered Borosilicate [Standard]
 - Up to 600° F [316° C]
 - Up to 300 psig WSP
 - Over psig 300 PSIG, Mica Protected Transparent Glass Only
- Tempered Aluminosilicate [Optional]
 - Up to 800° F [427° C]

Glass Sizes

- Industry Standard 34mm
- Sizes 1 through 9



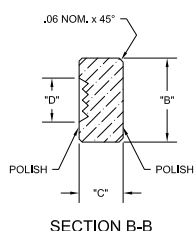
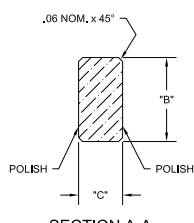
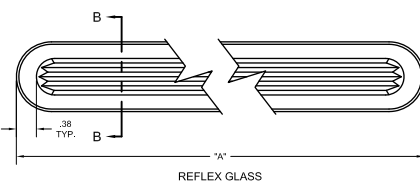
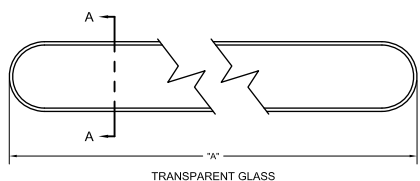
Gage Type Pressure Series

Reflex

- Low 1800 to 2400 PSIG
- Medium 2250 to 3000 PSIG
- High 4000 PSIG

Transparent

- Low 500 to 1000 PSIG
- Medium 1000 to 2500 PSIG
- High 3000 PSIG
- Ultra HP 6000 PSIG



"A" DIMENSION		
SIZE	INCHES	mm
1	4.50	115
2	5.50	140
3	6.50	165
4	7.50	190
5	8.63	220
6	9.88	250
7	11.00	280
8	12.63	320
9	13.38	340

DIMENSIONS		
SIZE	INCHES	mm
B	1.31	34
C	.69	18
D	.69	18

SPECIFICATIONS

Materials of Construction

- **Borosilicate Glass**
- **Gaskets**
 - IFG®-5500 Standard [Seal/Cushion]
 - Graphite, with .002" [.05mm] stainless steel reinforcement layer -standard
 - Teflon®
 - Other Materials Available
- **Chamber**
- **Carbon Steel-A696 Grade C**
 - To -20° F [-28° C]
 - Bolts A193, Grade B7**
 - Nuts A194, Grade 2H**
- **Low Temp Carbon Steel-A350LF2**
 - To -50° F [-45° C]
 - Charpy Impact Tested
 - Bolts A193, Grade B7M**
 - Nuts A194, Grade 2HM**
- **Stainless Steel-ASTM A276 Grade 316/316L**
 - To -325° F [-198° C]
 - Dual Rated 316/316L
 - Bolts A193, Grade B8M**
 - Nuts A194, Grade 8M**
- All Wetted Parts Acceptable for NACE Service MR-01-75

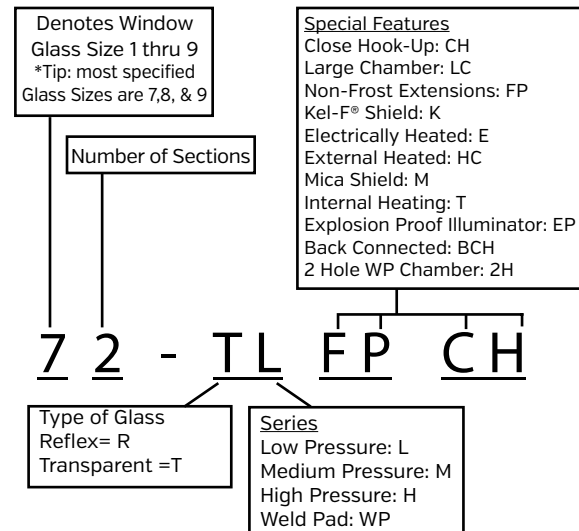
Shields

- Shields are used to protect the glass from chemical attack. Two shields are available: Mica and PCTFE.
- Mica shields are used to protect the glass from corrosion in high pressure steam [over 350 psig WSP] and caustic applications [pH>11].
 - PCTFE shields [formerly known as Kel-F®] are primarily used in Hydrofluoric Acid service. Note that the PCTFE shield also serves as the sealing gasket; no additional sealing gasket is required.

Spring Washers

For cyclic temperature applications or to aid in torque retention spring washers are available upon request.

Gage Code for Questtec Gages



Gasket Materials

Material	Min. Temperature	Max. Temperature	Rating Factor
Garlock® IFG-5500 (standard)	-40°F (-40°C)	550°F (288°C)	100%
25% Glass Filled TFE	-328°F (-200°C)	500°F (260°C)	100%
Graphite	-400°F (-240°C)	800°F (427°C)	100%
PCTFE(Kel-F®) Shield	-400°F (-240°C)	302°F (150°C)	50%