

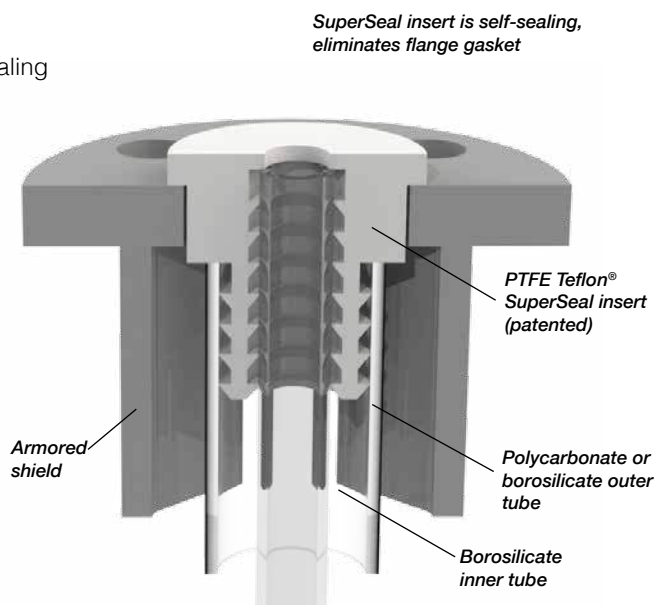
MODEL LT TUBE-N-TUBE™ ARMORED LEVEL GAUGES (PATENTED)



- Approved by the Factory Mutual System (150° F max)
(Max length for FM approved models per specifications below)
- Unobstructed visibility
- Maintenance free
- Patented one-piece SuperSeal inserts are self-sealing
- Wetted parts are PTFE Teflon® and borosilicate
- Designed for cryogenic or hot process applications
- Transparent insulation reduces heat loss, eliminates many heat-tracing requirements
- Inner sight tube is protected and isolated
- Rated up to 285 psig (ANSI 150)
- Recommended for full-vacuum applications
- Optional 316 SS shields
- ANSI Class 300 lb flanges are available
- Custom designs available; consult factory

Standard Construction

- Borosilicate inner tube
- Polycarbonate or borosilicate outer tube
- PTFE Teflon® SuperSeal inserts
- Carbon steel shield and flanges, epoxy coated
- ANSI Class 150 lb flanges



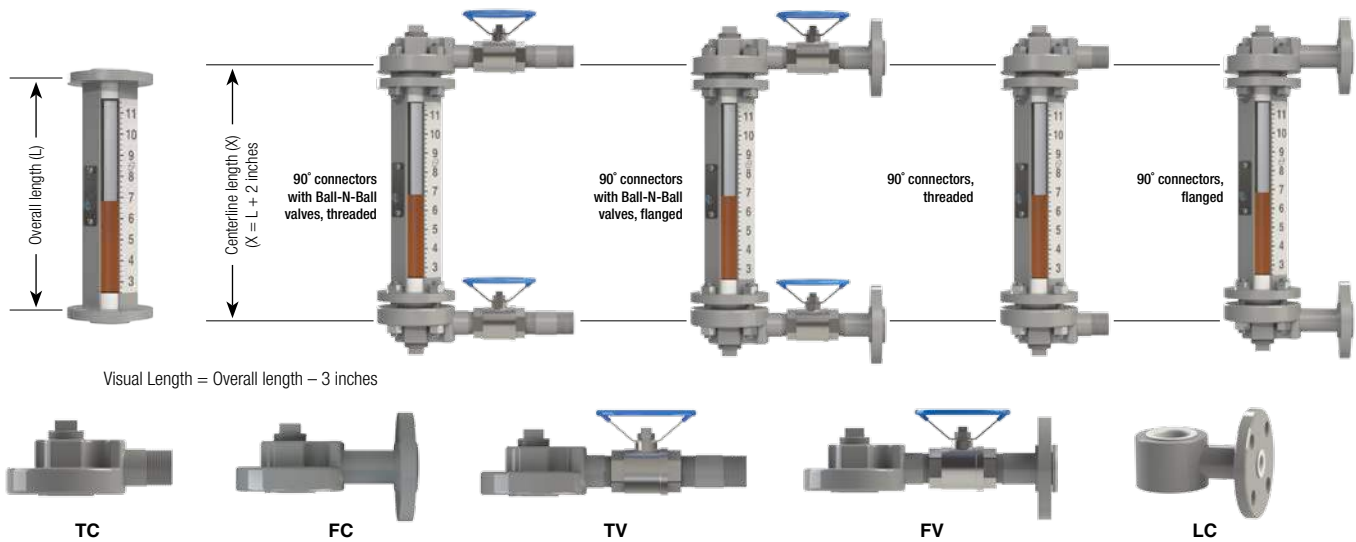
Model LT Specifications						
Inner tube material	Inner tube size, in.	Outer tube material	Outer tube size, in.	Gauge rating, psig	Flange size, in. ANSI 150	Max length FM approved, in.
HP	0.62	LX	1.50	150	1.00	96"
HW	0.62	LX	1.50	285 ¹	1.00	59"
HP	1.00	LX	2.25	150	1.50	96"
HP	1.00	OG	2.00	150	1.50	59"
HW	1.00	LX	2.25	285 ¹	1.50	48"
HW	1.00	OG	2.00	285 ¹	1.50	48"
PI	1.00	LX	2.25	150	1.50	96"
PI	1.00	LX	2.75	150	2.00	96"
PI	1.00	OG	2.75	150	2.00	59"
HP	1.00	LX	2.75	150	2.00	96"
HP	1.00	OG	2.75	150	2.00	59"
HW	1.00	LX	2.75	285 ¹	2.00	48"
HW	1.00	OG	2.75	285 ¹	2.00	48"
PI	1.50	LX	2.75	135	2.00	96"
PI	1.50	OG	2.75	135	2.00	59"
HW	1.50	LX	2.75	285 ¹	2.00	59"
HW	1.50	OG	2.75	285 ¹	2.00	59"
PI	2.00	LX	4.00	115	3.00	96"
PI	2.00	OG	4.00	115	3.00	59"
HW	2.00	LX	4.00	285 ¹	3.00	59"
HW	2.00	OG	4.00	285 ¹	3.00	59"

PI = Standard Borosilicate HP = High Pressure Borosilicate HW = Heavywall Borosilicate
OG = Outer Borosilicate LX = Outer Polycarbonate

Note: (1) Actual flange pressure rating may be less based on material selected.



GAUGE-TO-VESSEL CONNECTIONS



Gauge Connectors

- Threaded 1/2 to 1 in. NPT (TC)
- Flanged 1/2 to 2 in. (FC)
- Carbon steel, 316 SS or CPVC
- Socket weld or weld neck flanges are available

Gauge Connector with Ball-N-Ball valves

- Threaded 1/2 to 1 in. NPT (TC)
- Flanged 1/2 to 2 in. (FC)
- Carbon steel, 316 SS, or CPVC
- Socket weld or weld neck flanges are available

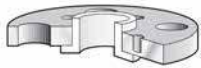
PTFE Teflon®-lined Gauge Connector

- Flanged 3/4, 1, 1-1/2, 2 in.
- 150 or 300 lb. ANSI
- Carbon steel
- 316 SS

GAUGE ACCESSORIES

Lined Reducing Flanges

- PTFE Teflon®-lined
- Sizes up to 10 in. x 8 in.
- Used in place of gauge connectors for non-standard installations



Calibration Scales

- Polycarbonate or 316 SS
- Inches/feet, running inches, metric, or percent



Explosion-Proof Illuminators

- 120-VAC, 56-watt, 3000-hour
- Class 1, Division 1, B, C, D, E
- Requires one lamp per 6 ft. of visual length

GAUGE AND CONNECTOR PART NUMBERS

Use the spaces below to generate the model number for your gauges. Codes for materials and diameters are from the chart at right.

Overall length (L) inches	Gauge model	Inner tube material	Inner tube size	Flange/shield material	Gauge flange size	Outer tube material	Outer tube size	Connector type	Connector material	Gauge flange size	Connection size
	LT										

Options

- ☐ Calibrated scale: Polycarbonate ____ 316 SS ____
Feet/inches ____ Running inches ____ Metric ____ Other ____
- ☐ Level floats: Orange PP ____
- ☐ Explosion-proof illuminator
- ☐ Sight tube redlining
- ☐ Vent and drain valves: Carbon Steel ____ 316 SS ____ CPVC ____
- ☐ PTFE-lined reducing flanges: Size ____ X ____

Teflon is a registered trademark of E.I. DuPont.

Codes for Part Numbers

Inner Tube Material
Standard Borosilicate
High-pressure Borosilicate
Heavywall Borosilicate

Code
PI
HP
HW

Shield/Flange Material
Carbon Steel
316 SS

Code
CS
S6

Connector Material
Carbon Steel
316 SS
CPVC

Code
CS
S6
CP

Outer Tube Material
Borosilicate
Polycarbonate

Size, Inches
0.50
0.62
0.75
1.00
1.50
2.00
2.25
2.75
3.00
4.00

Code
OG
LX
05
06
07
10
15
20
22
27
30
40