

# MODEL ULSS SINGLE TUBE UNIGAUGE™ (PATENTED)



- Only wetted part is one-piece, clear FEP Teflon®
- Approved by the Factory Mutual System (150°F max)
- Available in any length up to 10 feet  
(Max length for FM approved models per specification below)
- Unobstructed visibility
- Maintenance free
- Patented one-piece SuperSeal inserts are self-sealing
- Flared FEP Teflon® forms flange gasket
- Excellent for corrosive, viscous, or sanitary process applications
- Rated up to 285 psig (ANSI 150)
- Polycarbonate sleeves rated up to 100°F
- Optional 316 SS
- ANSI Class 300 lb flanges are available
- Custom designs available; consult factory

## Standard Construction

- FEP Teflon® sight tube, flared
- PTFE Teflon® SuperSeal inserts
- Polycarbonate or borosilicate sight tube sleeve
- Epoxy-coated carbon steel shield and flanges
- ANSI Class 150-lb flanges

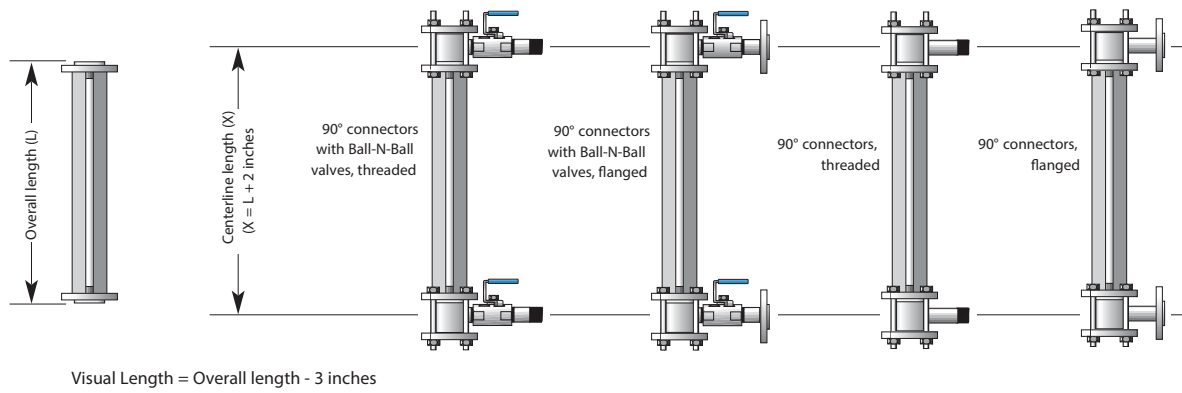


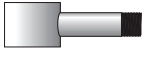
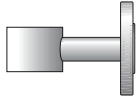
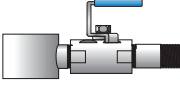
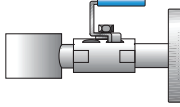
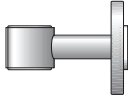
Model ULSS Specifications						
Sight tube material	Sight tube size, in.	Sleeve tube material	Sleeve tube size, in.	Gauge rating, psig	Flange size, in. ANSI 150	Max Length FM approved, in.
FP	1.00	LX	1.25	150	1.00	96"
FP	1.00	PI	1.00	150	1.00	119"
FP	1.25	HW	1.50	285 <sup>1</sup>	1.50	48
FP	1.50	LX	1.75	135	1.50	96
FP	1.50	PI	1.50	135	1.50	119
FP	1.63	HW	2.00	285 <sup>1</sup>	2.00	59
FP	2.00	LX	2.25	115	2.00	96
FP	2.00	PI	2.00	115	2.00	119

FP = FEP Teflon® PI = Standard Borosilicate HW = Heavywall Borosilicate LX = Polycarbonate  
 Note: (1) Actual flange pressure rating may be less based on material selected.


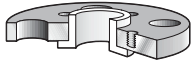



# GAUGE-TO-VESSEL CONNECTIONS



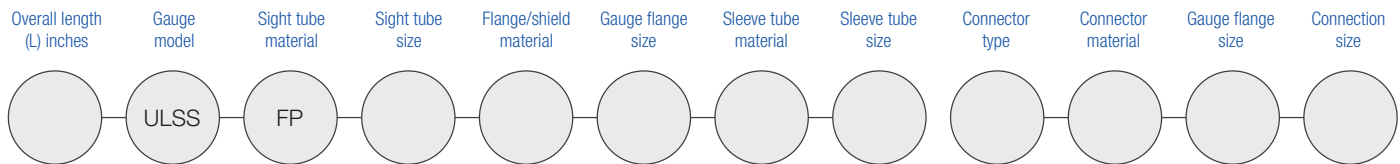
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|--|---|--|--|---|
|   |  |   |  |    |
| <b>TC</b>  | <b>FC</b>   | <b>TV</b>  | <b>FV</b>  | <b>LC</b>   |
| <b>Gauge Connectors</b>  |   | <b>Gauge Connector with Ball-n-ball valves</b>   |  | <b>PTFE Teflon®-lined Gauge Connector</b>   |
| <ul style="list-style-type: none"> <li>- Threaded 1/2 to 1 in. NPT (TC)</li> <li>- Flanged 1/2 to 2 in. (FC)</li> <li>- Carbon steel, 316 SS, or CPVC</li> <li>- Socket weld or weld neck flanges are available</li> </ul> |   | <ul style="list-style-type: none"> <li>- Threaded 1/2 to 1 in. NPT (TC)</li> <li>- Flanged 1/2 to 2 in. (FC)</li> <li>- Carbon steel, 316 SS, or CPVC</li> <li>- Socket weld or weld neck flanges are available</li> </ul> |  | <ul style="list-style-type: none"> <li>- Flanged 3/4, 1, 1-1/2, 2 in.</li> <li>- 150 or 300 lb. ANSI</li> <li>- Carbon steel</li> <li>- 316 SS</li> </ul> |

## GAUGE ACCESSORIES

- |   |   |   |   |   |  |   |
|---|---|---|---|---|--|---|
| <p><b>Blind Flanges</b></p> <ul style="list-style-type: none"> <li>- Same size as gauge flange</li> <li>- Captures connector with gasket and hardware</li> <li>- Vent and drain sizes: 1/4 to 1 inch FNPT</li> <li>- Carbon steel, 316 SS, or CPVC</li> </ul> |  | <p><b>Lined Reducing Flanges</b></p> <ul style="list-style-type: none"> <li>- PTFE Teflon®-lined</li> <li>- Sizes up to 10 in. x 8 in.</li> <li>- Used in place of gauge connectors for non-standard installations</li> </ul> |  | <p><b>Calibration Scales</b></p> <ul style="list-style-type: none"> <li>- Polycarbonate or 316 SS</li> <li>- Inches/feet, total inches, or metric</li> <li>- Custom-calibrated sight tubing available, consult factory</li> </ul> |  | <p><b>Explosion-Proof Illuminators</b></p> <ul style="list-style-type: none"> <li>- 120-VAC, 56-watt, 3000-hour</li> <li>- Class 1, Division 1, B, C, D, E</li> <li>- Requires one lamp per 6 ft. of visual length</li> </ul> |
|---|---|---|---|---|--|---|

## 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 below.



**Options:**

- Calibrated Scale: Polycarbonate \_\_\_ 316 SS \_\_\_ Sight Glass \_\_\_ Feet/Inches \_\_\_ Total Inches \_\_\_ Metric \_\_\_ Other \_\_\_
- Level floats: Orange PP \_\_\_
- Explosive-proof illuminator
- Sight tube redlining
- Vent and drain valves: Carbon steel \_\_\_ 316 SS \_\_\_ CPVC \_\_\_
- PTFE-lined reducing flanges: Size \_\_\_ x \_\_\_

**Codes for Part Numbers**

<b>Sight tube material</b> FEP Teflon®	<b>Code</b> FP	<b>Connector Material</b> Carbon Steel 316SS CPVC	<b>Code</b> CS S6 CP
<b>Sleeve tube material</b> Standard Borosilicate Heavywall Borosilicate Polycarbonate (100°F max)	<b>Code</b> PI HW LX	<b>Size, Inches</b>	<b>Code</b>
<b>Shield/Flange Material</b> Carbon Steel 316 SS	<b>Code</b> CS S6	1.00	10
		1.25	12
		1.50	15
		1.62	16
		1.75	17
		2.00	20
		2.25	22