

# Model ULAS Single-Tube Lantern Flow Indicators (patented)

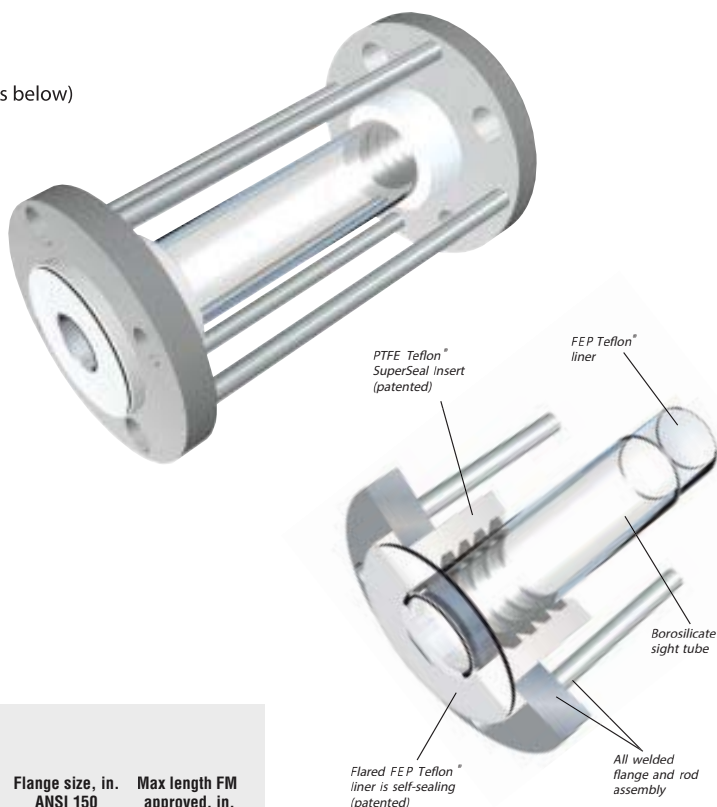


FEP Teflon® Lined (patented)

- Approved by the Factory Mutual System (150° F max)
- Available in any length up to 72 inches  
(Max length for FM approved models per specifications below)
- Stock lengths are 8 and 12 inches
- Full 360° unobstructed visibility
- All-welded construction, flanges and support rods
- Patented one-piece SuperSeal inserts are self-sealing
- Wetted part is one-piece FEP Teflon®, flared over SuperSeal insert
- Available with sanitary fittings
- Threaded end connections available
- Design is double sealed
- Excellent for corrosive, viscous, or sanitary service
- Sight tubing can be calibrated directly
- Custom design available; consult factory
- Optional 304 or 316 SS construction
- ANSI Class 300 lb flanges available

## Standard Construction

- FEP Teflon® sight tube, one piece
- PTFE Teflon® SuperSeal inserts
- Borosilicate sight tube sleeve
- Carbon steel shield and flanges, epoxy coated
- ANSI Class 150 lb flanges



## Model ULAS Specifications

| Indicator size, in. | Sight tube material | Sleeve tube size, in. | Sleeve tube material | Indicator rating, psig | Flange size, in. ANSI 150 | Max length FM approved, in. |
|---------------------|---------------------|-----------------------|----------------------|------------------------|---------------------------|-----------------------------|
| 1.00                | FP                  | 1.00                  | PI                   | 150                    | 1.00                      | 48                          |
| 1.25                | FP                  | 1.50                  | HW                   | 285(1)                 | 1.50                      | 60                          |
| 1.50                | FP                  | 1.50                  | PI                   | 135                    | 1.50                      | 48                          |
| 1.65                | FP                  | 2.00                  | HW                   | 285(1)                 | 2.00                      | 60                          |
| 2.00                | FP                  | 2.00                  | PI                   | 115                    | 2.00                      | 48                          |
| 2.75                | FP                  | 3.00                  | HW                   | 200                    | 3.00                      | 48                          |
| 3.00                | FP                  | 3.00                  | PI                   | 95                     | 3.00                      | 48                          |
| 4.00                | FP                  | 4.00                  | HW                   | 100                    | 4.00                      | 12                          |
| 4.00                | FP                  | 4.00                  | PI                   | 85                     | 4.00                      | 48                          |
| 6.00                | FP                  | 6.00                  | PI                   | 60                     | 6.00                      | 48                          |
| 8.00                | FP                  | 8.00                  | PI                   | 40                     | 8.00                      | 48                          |

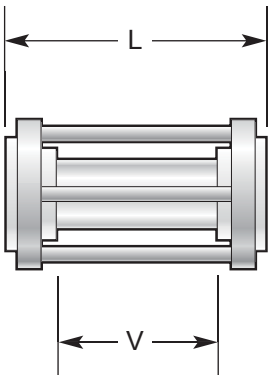
FP = FEP Teflon® PI = Standard Borosilicate HW = Heavywall Borosilicate

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



# Model ULAS Single-Tube Lantern Flow Indicator - Teflon® Lined

## Specifications for Ordering



Note: Visual length (V) is 3 inches less than overall length (L).

### Indicator Part Number

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

|                            |                 |                     |                 |                     |             |                 |                  |
|----------------------------|-----------------|---------------------|-----------------|---------------------|-------------|-----------------|------------------|
| Overall length (L), inches | Indicator model | Sight tube material | Sight tube size | Flange/rod material | Flange size | Sleeve material | Sleeve tube size |
|                            | ULAS            | FP                  |                 |                     |             |                 |                  |

☐ Illuminator

**Example Part No: 8.25-ULAS-FP20-CS20-PI20**

|      |                                                   |
|------|---------------------------------------------------|
| 8.25 | 8.25 inches overall length                        |
| ULAS | Single Tube Lantern Flow Indicator, Teflon® lined |
| FP   | FEP Teflon® sight tube                            |
| 20   | 2.0-inch sight tube size                          |
| CS   | Carbon steel rods and flanges                     |
| 20   | 2.0-inch, 150-lb flanges                          |
| PI   | Borosilicate sight tube sleeve                    |
| 20   | 2.0-inch sight tube sleeve size                   |

### Codes for Part Numbers

| Sight Tube Material         | Code | Size, in. | Code |
|-----------------------------|------|-----------|------|
| FEP Teflon®                 | FP   | 1.00      | 10   |
|                             |      | 1.25      | 12   |
|                             |      | 1.50      | 15   |
| <b>Sleeve Tube Material</b> |      |           |      |
| Borosilicate Pipe           | PI   | 1.63      | 16   |
| Heavywall Borosilicate      | HW   | 2.00      | 20   |
|                             |      | 2.75      | 27   |
| <b>Flange/Rod Material</b>  |      |           |      |
| Carbon Steel                | CS   | 3.00      | 30   |
| 316 SS                      | S6   | 4.00      | 40   |
| 304 SS                      | S4   | 6.00      | 60   |
|                             |      | 8.00      | 80   |



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