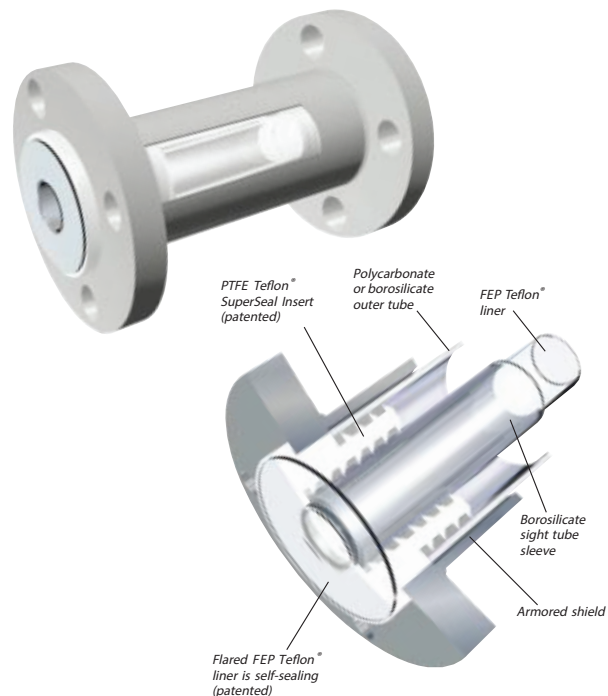


Model UFTS Tube-N-Tube Armored Flow Indicators (patented)



FEP Teflon® Lined (patented)

- Approved by the Factory Mutual System (150° F max)
(Max length for FM approved models per specifications below)
- Available in any length up to 72 inches
- Stock lengths are 8 and 12 inches
- Unobstructed visibility
- Patented one-piece SuperSeal inserts are self-sealing
- Wetted part is one-piece FEP Teflon®, flared over SuperSeal insert
- Available with sanitary fittings
- Reducing flanges and threaded end connections are available
- Designed for cryogenic and hot process applications
- Excellent for corrosive, viscous, or sanitary service
- Design is triple sealed and insulated
- Sight tube sleeve can be calibrated directly
- Custom designs available; consult factory
- Optional 304 or 316 SS construction
- ANSI Class 300 lb flanges available



Standard Construction

- FEP Teflon® inner sight tube, one piece
- PTFE Teflon® SuperSeal inserts
- Borosilicate sight tube sleeve, standard or heavywall
- Polycarbonate or borosilicate outer sight tube
- Carbon steel shield and flanges, epoxy coated
- ANSI Class 150 lb flanges

Model UFTS Specifications

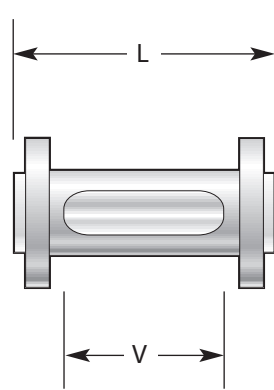
| Indicator size, in. | Sight tube material | Outer tube size, in. | Outer tube material | Sleeve tube size, in. | Sleeve tubing | Indicator rating, psig | Flange size, in. ANSI 150 | Max Length FM Approved in. |
|---------------------|---------------------|----------------------|---------------------|-----------------------|---------------|------------------------|---------------------------|----------------------------|
| 1.00 | FP | 2.25 | LX | 1.00 | PI | 150 | 1.50 | 48 |
| 1.00 | FP | 2.75 | LX | 1.00 | PI | 150 | 2.00 | 48 |
| 1.00 | FP | 2.75 | OG | 1.00 | PI | 150 | 2.00 | 48 |
| 1.25 | FP | 2.75 | LX | 1.50 | HW | 285 (1) | 2.00 | 60 |
| 1.25 | FP | 2.75 | OG | 1.50 | HW | 285 (1) | 2.00 | 60 |
| 1.50 | FP | 2.75 | LX | 1.50 | PI | 135 | 2.00 | 48 |
| 1.50 | FP | 2.75 | OG | 1.50 | PI | 135 | 2.00 | 48 |
| 1.65 | FP | 4.00 | LX | 2.00 | HW | 285 (1) | 3.00 | 60 |
| 1.65 | FP | 4.00 | OG | 2.00 | HW | 285 (1) | 3.00 | 60 |
| 2.00 | FP | 4.00 | LX | 2.00 | PI | 115 | 3.00 | 48 |
| 2.00 | FP | 4.00 | OG | 2.00 | PI | 115 | 3.00 | 48 |
| 2.75 | FP | 5.00 | AC | 3.00 | HW | 200 | 4.00 | 48 |
| 2.75 | FP | 5.00 | OG | 3.00 | HW | 200 | 4.00 | 48 |
| 3.00 | FP | 5.00 | AC | 3.00 | PI | 95 | 4.00 | 48 |
| 3.00 | FP | 5.00 | OG | 3.00 | PI | 95 | 4.00 | 48 |
| 4.00 | FP | 7.00 | AC | 4.00 | HW | 100 | 6.00 | 12 |
| 4.00 | FP | 7.00 | OG | 4.00 | HW | 100 | 6.00 | 12 |
| 4.00 | FP | 7.00 | AC | 4.00 | PI | 85 | 6.00 | 48 |
| 4.00 | FP | 7.00 | OG | 4.00 | PI | 85 | 6.00 | 48 |
| 6.00 | FP | 9.00 | AC | 6.00 | PI | 60 | 8.00 | 48 |
| 6.00 | FP | 9.00 | OG | 6.00 | PI | 60 | 8.00 | 48 |
| 8.00 | FP | 10.00 | AC | 8.00 | PI | 40 | 10.00 | 48 |
| 8.00 | FP | 10.00 | OG | 8.00 | PI | 40 | 10.00 | 48 |

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



Model UFTS Tube-N-Tube Armored Flow Indicator - Teflon® Lined

Specifications for Ordering



Note: Visual length (V) is 4 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.

| | | | | | | | | | |
|----------------------------|-----------------|---------------------------|-----------------------|------------------------|-------------|---------------------------|-----------------------|-----------------|-------------|
| Overall length (L), inches | Indicator model | Inner sight tube material | Inner sight tube size | Flange/shield material | Flange size | Outer sight tube material | Outer sight tube size | Sleeve material | Sleeve size |
| | UFTS | FP | | | | | | | |

PTFE Teflon® lined reducing flanges: size _____ X _____ Illuminator

Example Part Number: 18-U FTS -PF 16-S 40-OG 30-H W 20

| | |
|------|---|
| 18 | 18 inches overall length |
| UFTS | Tube-N-Tube Armored Flow Indicator, Teflon® lined |
| FP | FEP Teflon® inner sight tube |
| 16 | 1.6-inch inner sight tube size |
| S4 | 304 SS shield and flanges |
| 30 | 3.0-inch, 150-lb flanges |
| OG | Outer borosilicate sight tube |
| 30 | 3.0-inch outer sight tube size |
| HW | Heavywall borosilicate inner sight tube sleeve |
| 20 | 2.0-inch inner sight tube sleeve size |

Codes for Part Numbers

| Sight Tube Material | Code | Size, in. | Code |
|------------------------|------|-----------|------|
| FEP Teflon® | FP | 1.00 | 10 |
| | | 1.25 | 12 |
| Outer Tube Material | | 1.50 | 15 |
| Acrylic | AC | 1.62 | 16 |
| Borosilicate | OG | 2.00 | 20 |
| Polycarbonate | LX | 2.25 | 22 |
| | | 2.50 | 25 |
| Sleeve Tube Material | | 2.75 | 27 |
| Borosilicate Pipe | PI | 3.00 | 30 |
| Heavywall Borosilicate | HW | 4.00 | 40 |
| | | 6.00 | 60 |
| Flange/Shield Material | | 7.00 | 70 |
| Carbon Steel | CS | 8.00 | 80 |
| 316 SS | S6 | 9.00 | 90 |
| 304 SS | S4 | 10.00 | 100 |



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