

Model LAT Tube-N-Tube Lantern Flow Indicators (patented)

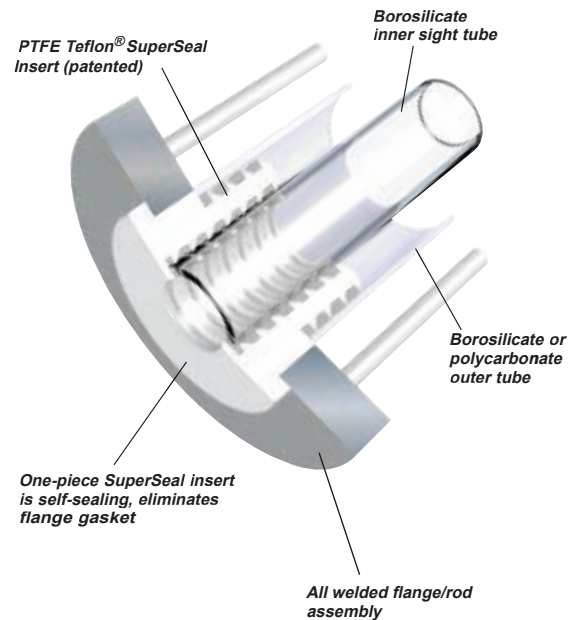


- Approved by the Factory Mutual System (150° F max)
- Available in any length up to 72 inches
(Max length for FM approved models per specifications below.)
- Stock lengths are 8 and 12 inches
- Full 360° unobstructed visibility
- All-welded construction - flanges and support rods
- Patented one-piece SuperSeal inserts are self-sealing
- Wetted parts are PTFE Teflon® and borosilicate glass
- Available with sanitary fittings
- Reducing flanges and threaded end connections are available
- Designed for cryogenic and hot process applications
- Design is double sealed and insulated
- Sight tubing can be calibrated directly
- Custom designs available; consult factory
- Optional 304 or 316 SS construction
- ANSI Class 300 lb flanges available



Standard Construction

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



Model LAT Specifications

Indicator size, in.	Sight tube material	Outer tube size, in.	Outer tube material	Indicator rating, psig	Flange size, in. ANSI 150	Max Length FM approved, in.
1.00	PI	2.25	LX	150	1.50	48
1.50	PI	2.75	LX	135	2.00	48
1.50	PI	2.50	OG	135	2.00	48
1.50	HW	2.75	LX	285(1)	2.00	60
1.50	HW	2.50	OG	285(1)	2.00	60
2.00	PI	4.00	LX	115	3.00	48
2.00	PI	4.00	OG	115	3.00	48
2.00	HW	4.00	LX	285(1)	3.00	60
2.00	HW	4.00	OG	285(1)	3.00	60
3.00	PI	5.00	AC	95	4.00	48
3.00	PI	5.00	OG	95	4.00	48
3.00	HW	5.00	AC	200	4.00	48
3.00	HW	5.00	OG	200	4.00	48
4.00	PI	7.00	AC	85	6.00	48
4.00	PI	7.00	OG	85	6.00	48
4.00	HW	7.00	AC	100	6.00	12
4.00	HW	7.00	OG	100	6.00	12
6.00	PI	9.00	AC	60	8.00	48
6.00	PI	9.00	OG	60	8.00	48
8.00	PI	10.00	AC	40	10.00	48
8.00	PI	10.00	OG	40	10.00	48

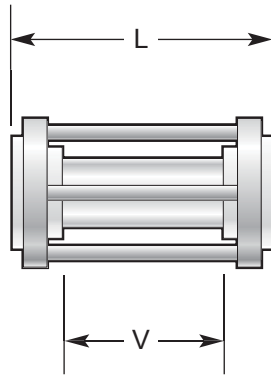
PI = Standard Borosilicate HW = Heavywall Borosilicate LX = Outer Polycarbonate OG = Outer Borosilicate
AC = Outer Acrylic

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



Model LAT Tube-N-Tube Lantern Flow Indicators

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 right.

Overall length (L), inches	Indicator model	Inner sight tube material	Inner sight tube size	Flange/rod material	Flange size	Outer tube material	Outer tube size
	LAT						

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

Example Part Number: 22-LAT-PI40-CS60-AC70

22	22 inches overall length
LAT	Tube-N-Tube Lantern Flow Indicator
PI	Standard borosilicate inner sight tube
40	4.0-inch inner sight tube size
CS	Carbon steel rods and flanges
60	6.00-inch, 150-lb flanges
AC	Acrylic outer sight tube
70	7.00-inch outer sight tube size

Codes for Part Numbers

Sight Tube Material	Code	Size, in.	Code
Borosilicate Pipe	PI	1.00	10
Heavywall Borosilicate	HW	1.50	15
		2.00	20
Outer Tube Material		2.25	22
Acrylic	AC	2.75	27
Borosilicate	OG	3.00	30
Polycarbonate	LX	4.00	40
		6.00	60
Flange/Rod 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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