

Extensive engineering and design have resulted in the highest industry standard for visual flow indicator technology.

Uncompromising levels of quality, safety and technological excellence are standard features in the complete line of L.J. Star Incorporated Standard Flanged Model visual flow indicators.

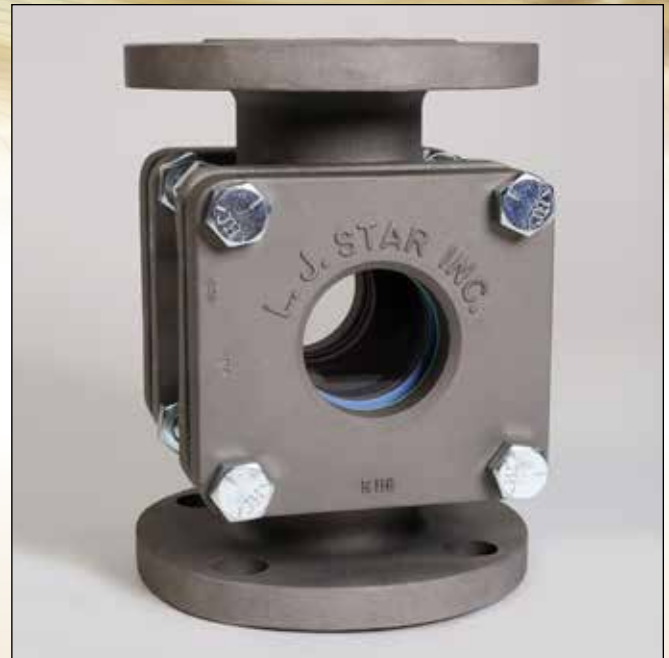
Description

All standard flanged models in the L.J. Star Incorporated line of visual flow indicators carry full ANSI rating¹ and are available in several application-specific configurations. ANSI designed for 150# or 300# service, flanged units are available in sizes from 1/2" to 8".

Styles

Flanged units are available in five styles designed to accommodate various mounting positions, fluid characteristics, flow rates and directions:

- *Plain Style* - May be installed in any position to observe fluid flow in any direction. These style indicators are usually employed to detect either the presence or absence of solutions, or to observe fluids for turbulence, color or clarity.
- *Drip Tube Style* - This style is well suited for vertical lines with downward flow direction. These units are particularly recommended for applications characterized by low or intermittent flow rates, such as distillation processes.
- *Flapper Style* - Recommended for monitoring either horizontal or vertical lines with upward flow. The flapper position indicates current flow rate. Flapper style indicators are the appropriate choice for use with clear and semi-opaque solutions.
- *Rotator Style* - This style indicator may be installed in any position to indicate flow in any direction. The visibility of rotor motion makes this style particularly well-suited for monitoring clear, translucent or dark solutions.
- *Gaseous Style* - Your answer for monitoring horizontal or vertical upward low velocity fluid streams. The special Teflon[®] indicator is very sensitive to the movement of gas. This allows you to effectively detect the existence or absence of flow.



Standard Flanged Visual Flow Indicator

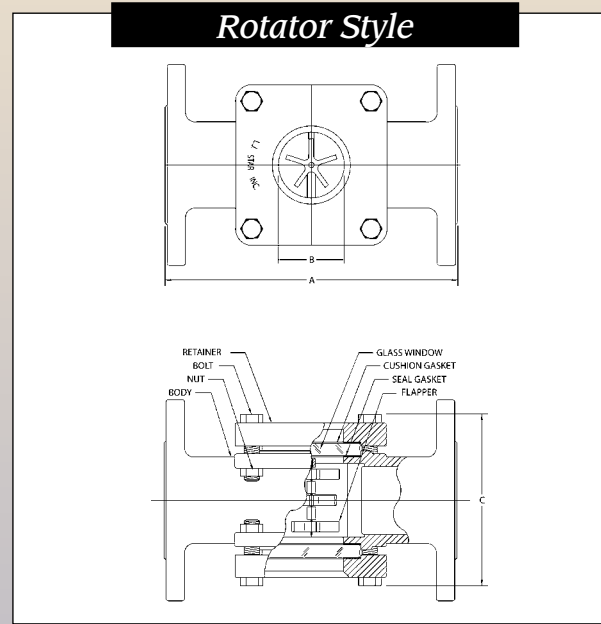
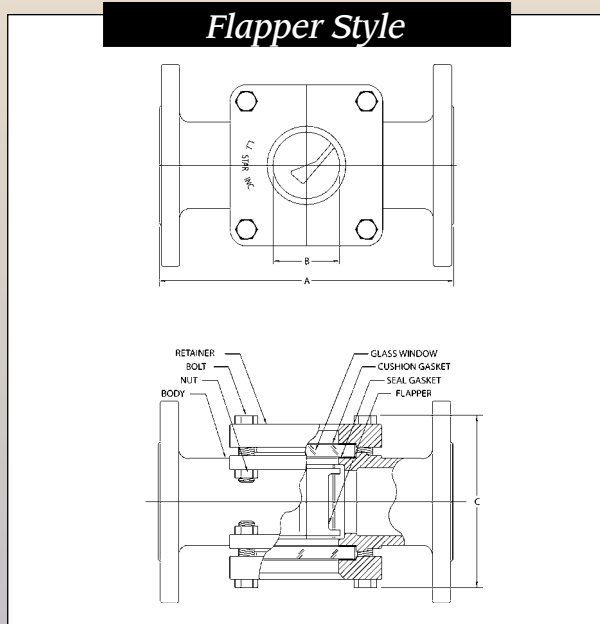
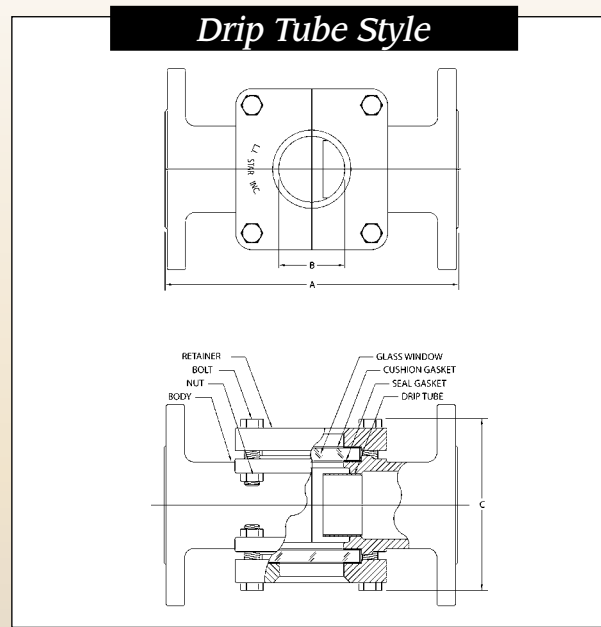
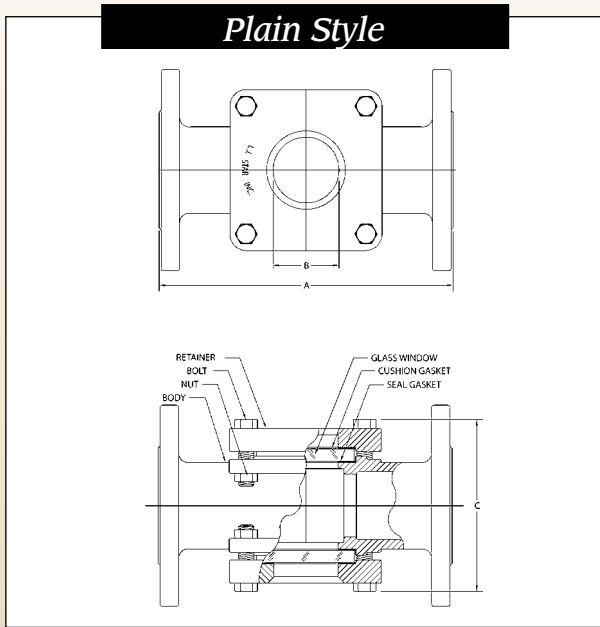
Materials of Construction

- *Standard alloys*
316 Stainless Steel; Carbon Steel
- *Optional alloys*
Monel[®]; Hastelloy[®]; Alloy 20
- *Standard gasket materials*
Neoprene; Gylon[®]
- *Optional gasket materials*
Buna N; Viton[®]; PTFE; silicone, graphite, and non-asbestos gaskets
- *Optional window materials*
Metaglas[®] Prestressed Safety Glass, Quartz

Standard Safety and Maintenance Features

- Full ANSI Class Rating¹
- Independently bolted glass retainers²
- Tempered borosilicate glass
- Investment cast surface finish³
- Acrylic enamel coating (carbon steel unit)
- Cast metal glass retainers
- Stainless steel glass retainers and Gylon[®] gaskets (stainless steel units)⁴
- In-stock delivery

1. Except 8" 150# unit which is nominal ANSI rated 2. 8" 150# units use cross bolts 3. Except 6" & 8" units 4. 6" & 8" units have cast steel retainers



150 psi Standard Flanged Model

Pipe Size	Dimension			Approx. Wt. (Lbs.)
	A	B	C	
1/2"	4-5/8"	1-1/4"	4-3/16"	6
3/4"	4-5/8"	1-1/4"	4-3/16"	6
1"	5-5/8"	1-1/4"	4-1/8"	11
1-1/2"	6-1/2"	1-3/4"	5-3/8"	17
2"	7-7/8"	2"	6-1/8"	27
3"	9-3/8"	3-3/16"	7-3/4"	56
4"	11"	4-3/8"	10-5/8"	75
6"	14-1/4"	6-7/8"	12-3/4"	150
8"	16-1/8"	8-1/4"	16-7/8"	230

300 psi Standard Flanged Model

Pipe Size	Dimension			Approx. Wt. (Lbs.)
	A	B	C	
1/2"	5-7/8"	1-1/4"	4-3/16"	9
3/4"	5-7/8"	1-1/4"	4-3/16"	9
1"	6-7/8"	1-1/4"	4-1/2"	12
1-1/2"	7-1/2"	1-3/4"	5-7/8"	19
2"	8-5/8"	2"	6-3/8"	30
3"	11-3/8"	3-3/16"	8-3/8"	62
4"	13-1/4"	4-3/8"	12-1/4"	84
6"	21-3/8"	6-7/8"	14-3/4"	162
8"	23"	6-7/8"	16-1/4"	250

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed



Extensive engineering and design have resulted in the highest industry standard for visual flow indicator technology.

Uncompromising levels of quality, safety and technological excellence are standard features in the complete line of L.J. Star Incorporated Standard Threaded Model visual flow indicators.

Description

All standard threaded models in the L.J. Star Incorporated line of visual flow indicators carry full ANSI rating and are available in several application-specific configurations. ANSI designed for 150# or 300# service, threaded units are available in sizes from 1/2" to 2".

Styles

Threaded units are available in five styles designed to accommodate various mounting positions, fluid characteristics, flow rates and directions:

- *Plain Style* - May be installed in any position to observe fluid flow in any direction. These style indicators are usually employed to detect either the presence or absence of solutions, or to observe fluids for turbulence, color or clarity.
- *Drip Tube Style* - This style is well suited for vertical lines with downward flow direction. These units are particularly recommended for applications characterized by low or intermittent flow rates, such as distillation processes.
- *Flapper Style* - Recommended for monitoring either horizontal or vertical lines with upward flow. The flapper position indicates current flow rate. Flapper style indicators are the appropriate choice for use with clear and semi-opaque solutions.
- *Rotator Style* - This style indicator may be installed in any position to indicate flow in any direction. The visibility of rotor motion makes this style particularly well-suited for monitoring clear, translucent or dark solutions.
- *Gaseous Style* - Your answer for monitoring horizontal or vertically upward low velocity fluid streams. The special Teflon® indicator is very sensitive to the movement of gas. This allows you to effectively detect the existence or absence of flow.



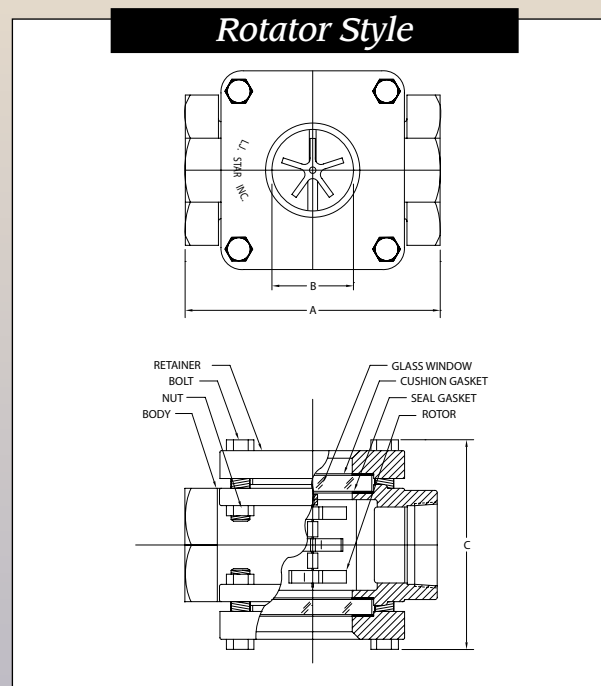
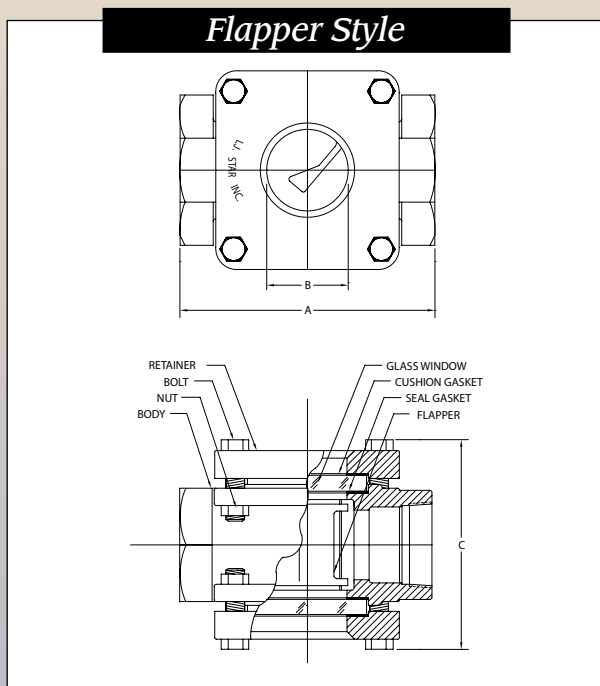
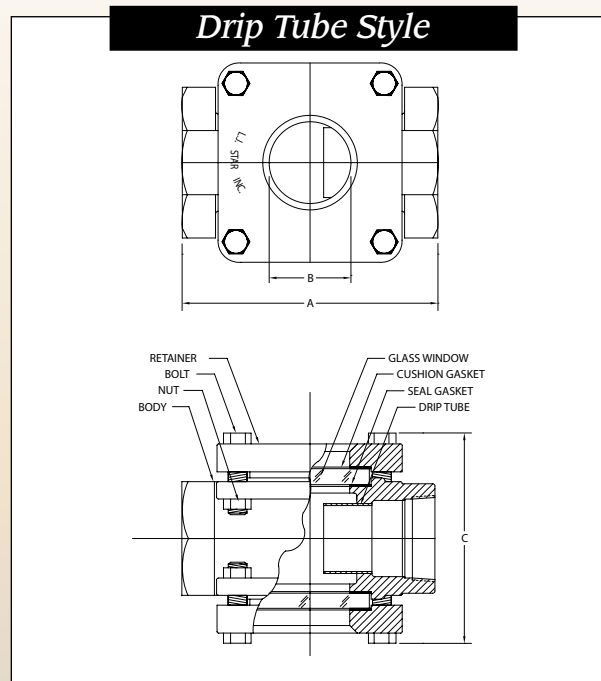
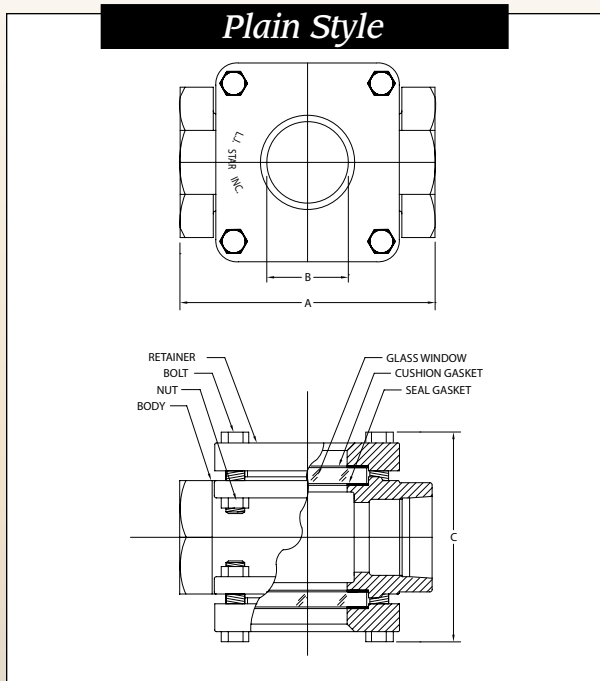
Standard Threaded Visual Flow Indicator

Materials of Construction

- *Standard alloys*
316 Stainless Steel; Carbon Steel
- *Optional alloys*
Monel®; Hastelloy®; Alloy 20
- *Standard gasket materials*
Neoprene; Gylon®
- *Optional gasket materials*
Buna N; Viton®; PTFE ; silicone, graphite, and non-asbestos gaskets
- *Optional window materials*
Metaglas® Prestressed Safety Glass, Quartz

Standard Safety and Maintenance Features

- Full ANSI Class Rating
- Independently bolted glass retainers
- Tempered borosilicate glass
- Investment cast surface finish
- Acrylic enamel coating (carbon steel unit)
- Cast metal glass retainers
- Stainless steel glass retainers and Gylon® gaskets (stainless steel units)
- In-stock delivery



150 psi Standard Threaded Model

300 psi Standard Threaded Model

Pipe Size	Dimension			Approx. Wt. (Lbs.)
	A	B	C	
1/2"	3-3/4"	1-1/4"	3-7/8"	6
3/4"	3-3/4"	1-1/4"	3-7/8"	6
1"	4-1/4"	1-1/4"	4-1/8"	11
1-1/2"	5-1/2"	1-3/4"	5-3/8"	12
2"	6-1/4"	2"	6-1/8"	17

Pipe Size	Dimension			Approx. Wt. (Lbs.)
	A	B	C	
1/2"	3-3/4"	1-1/4"	4"	7
3/4"	3-3/4"	1-1/4"	4"	7
1"	4-1/4"	1-1/4"	4-1/2"	13
1-1/2"	5-1/2"	1-3/4"	5-7/8"	14
2"	6-1/4"	2"	6-3/8"	20

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.



Over two years of engineering and design have resulted in a new industry standard for visual flow indicator technology.

Uncompromising levels of quality, safety and technological excellence are standard features in the complete line of L.J. Star Incorporated Full View Flanged Model visual flow indicators.

Description

All full view flanged models in the L.J. Star Incorporated line of visual flow indicators are available in several application-specific configurations. Designed for 150 psi (1"), 120 psi (1½"), 100 psi (2" and 3"), and 70 psi (4"), these units are manufactured from either carbon steel or stainless steel. Impact deterrent shields are standard on full view flanged models; metal shields are also available. Larger sizes are available upon request.

Styles

Full view flanged units are available in two styles designed to accommodate various mounting positions, fluid characteristics and flow rates:

- *Plain Style*

May be installed in any position to observe fluid flow in any direction. These style indicators are usually employed to detect either the presence or absence of solutions, or to observe fluids for turbulence, color or clarity.

- *Drip Tube Style*

This style is well suited for vertical lines with downward flow direction. These units are particularly recommended for applications characterized by low or intermittent flow rates, such as distillation processes.

Standard Safety and Maintenance Features

- Investment cast surface finish
- Acrylic enamel coating (carbon steel unit)
- Teflon® gaskets Standard on stainless steel units
- Impact shield standard
- In-stock delivery



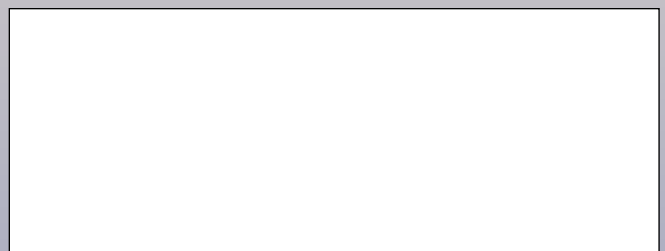
Full View Flanged Visual Flow Indicator

Materials of Construction

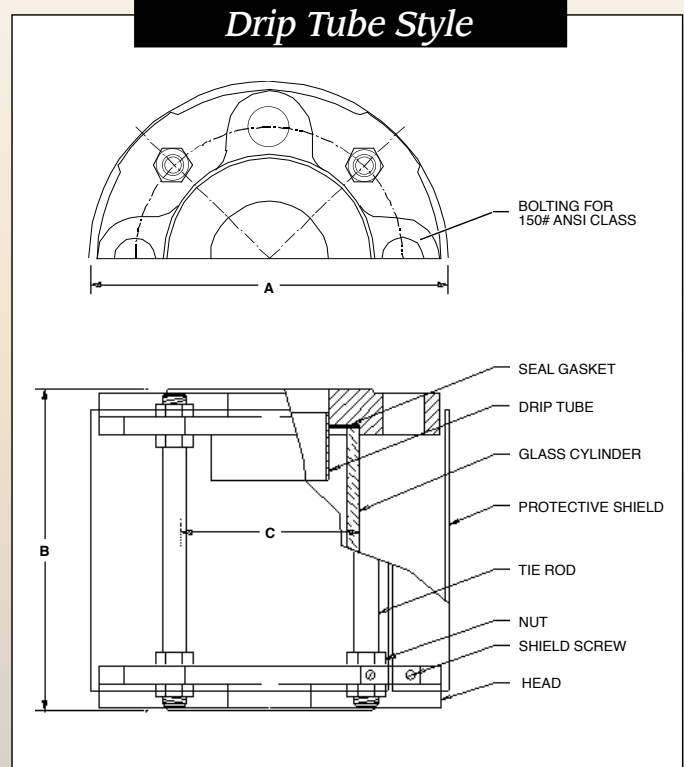
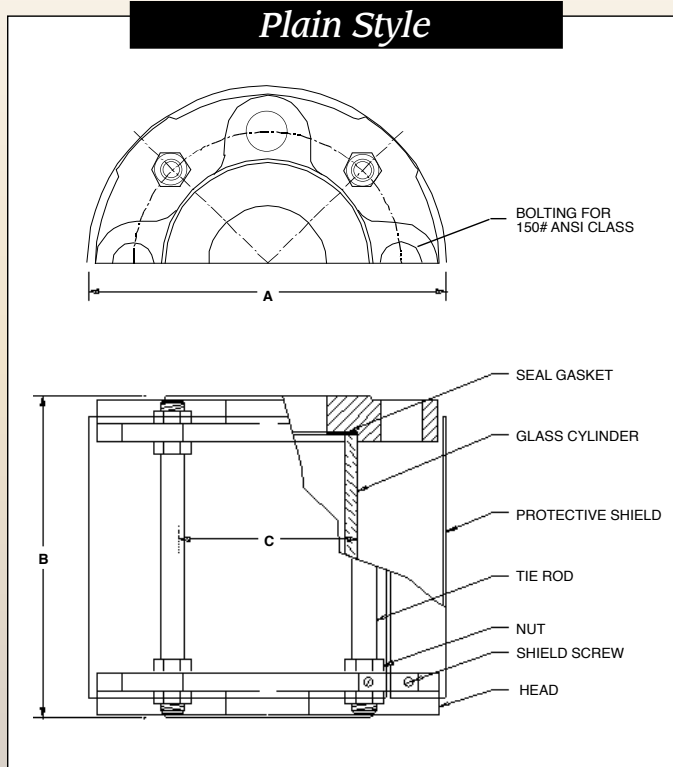
- *Standard alloys*
316 stainless steel; carbon steel
- *Optional alloys*
Monel®; Hastelloy®; Alloy 20; Teflon Lined
- *Standard gasket materials*
Neoprene; PTFE
- *Optional gasket materials*
BUNA N; Viton®; silicone, graphite, and non-asbestos gaskets
- *Optional flow indicators*
Flutter; Teflon Ball

Ordering Information

Contact your nearest L.J. Star representative



Dimensions



Full View Flanged Model

Pipe Size	Dimension			Approx. Wt. (Lbs.)	Working Pressure (Psi.)
	A	B	C		
1/2"	3-1/2"	4"	1"	2	150
3/4"	3-7/8"	4"	1-1/4"	3	150
1"	4-1/2"	4"	1-3/4"	3	150
1-1/2"	5-1/4"	4"	2-1/2"	4	120
2"	6-1/4"	4-3/4"	3"	6	100
3"	7-3/4"	5-3/8"	4"	15	100
4"	9-1/4"	7-1/2"	5"	27	70

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

Over two years of engineering and design have resulted in a new industry standard for visual flow indicator technology.

Uncompromising levels of quality, safety and technological excellence are standard features in the complete line of L.J. Star Incorporated Full View Flanged Model visual flow indicators.

Description

All full view threaded models in the L.J. Star Incorporated line of visual flow indicators are available in several application-specific configurations. Designed for 150 psi ($\frac{1}{8}$ "-1"), 120 psi ($1\frac{1}{2}$ ") and 100 psi (2"), these units are manufactured from either carbon steel or stainless steel. Impact deterrent shields are standard on full view threaded models; metal shields are also available.

Styles

Full view threaded units are available in two styles designed to accommodate various mounting positions, fluid characteristics and flow rates:

- *Plain Style*

May be installed in any position to observe fluid flow in any direction. These style indicators are usually employed to detect either the presence or absence of solutions, or to observe fluids for turbulence, color or clarity.

- *Drip Tube Style*

This style is well suited for vertical lines with downward flow direction. These units are particularly recommended for applications characterized by low or intermittent flow rates, such as distillation processes.

Standard Safety and Maintenance Features

- Investment cast surface finish
- Acrylic enamel coating (carbon steel unit)
- Teflon® gaskets Standard on stainless steel units
- Impact shield standard
- In-stock delivery



Full View Threaded Visual Flow Indicator

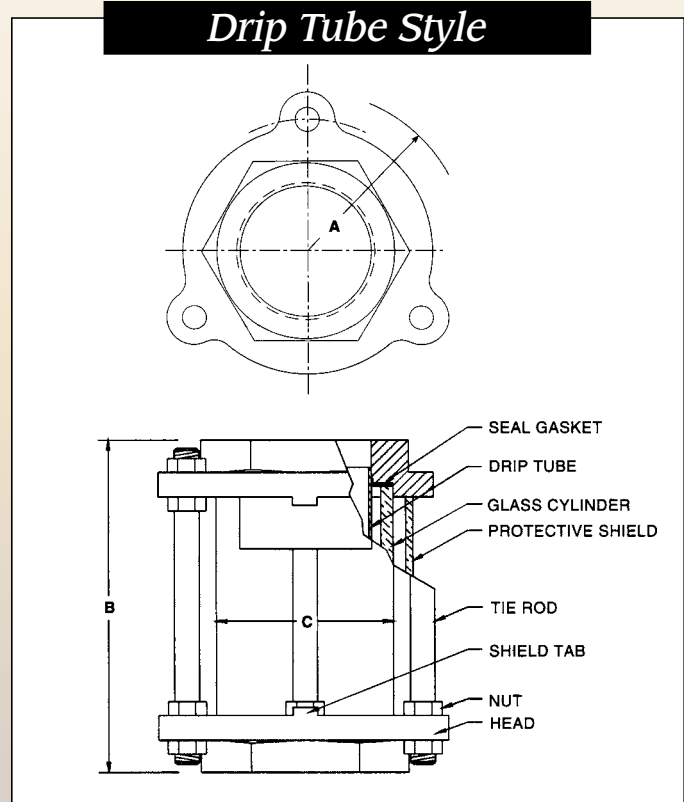
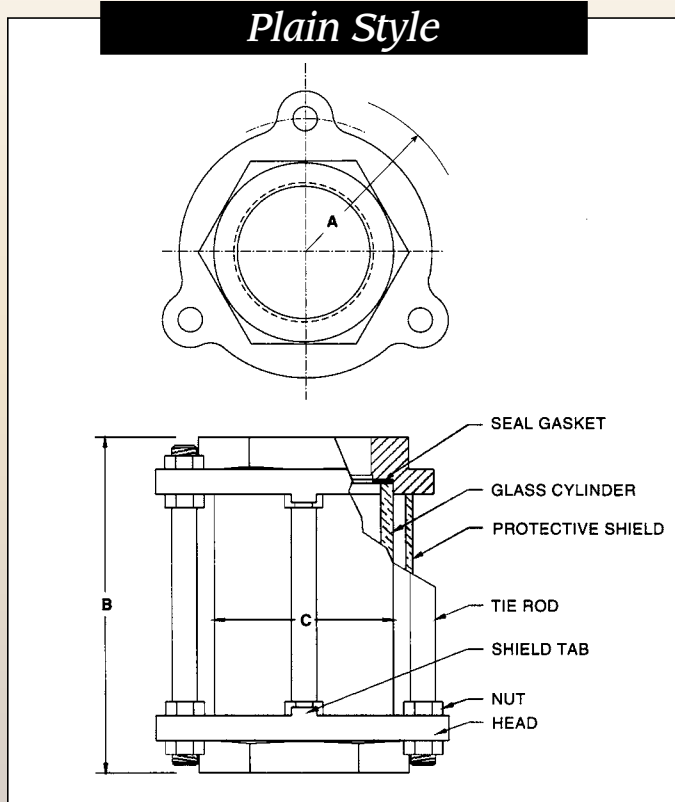
Materials of Construction

- *Standard alloys*
316 stainless steel; carbon steel
- *Optional alloys*
Monel®; Hastelloy®; Alloy 20
- *Standard gasket materials*
Neoprene; PTFE
- *Optional gasket materials*
BUNA N; Viton®; silicone, graphite, and non-asbestos gaskets
- *Optional flow indicators*
Flutter; Teflon Ball

Ordering Information

Contact your nearest L.J. Star representative

Dimensions



Full View Threaded Model

Pipe Size	Dimension			Approx. Wt. (Lbs.)	Working Pressure (Psi.)
	A	B	C		
1/8"	2"	4-1/2"	1-3/4"	2	150
1/4"	2"	4-1/2"	1-3/4"	2	150
1/2"	2"	4-1/2"	1-3/4"	2	150
3/8"	2"	4-1/2"	1-3/4"	2	150
3/4"	2"	4-1/2"	1-3/4"	2	150
1"	2-1/4"	4-1/2"	2"	3	150
1-1/2"	2-5/8"	4-3/4"	2-1/2"	5	120
2"	2-7/8"	5-1/2"	3"	8	100

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.