

Full-View Sight Flow Indicators



SNV



SNL



SNV-F

Full-View Sight Flow Indicators provide maximum, 360° viewing of fluid dynamics...

Available in NPT threaded-end and flanged designs, these Sight Flow Indicators are designed to enhance the visibility of process media as it passes through the glass cylinder. Full 360° viewing area expands the number of positions and locations in which the unit can be mounted for full visibility.

Models

SNV Plain NPT FV Sight Flow Indicator
 SNVD NPT FV SFI (Drip Tube)
 SNL Plain Large Cylinder FV SFI
 SNV-F Plain Flanged FV Sight Flow Indicator
 SNVD-F Flanged FV SFI (Drip Tube)

The Full-View Sight Flow Indicators are recommended for low-pressure applications where maximum visibility is needed. In addition to standard length models, Penberthy offers customized lengths up to 48", in 1/8" increments.

Full-View Sight Flow Indicators are unique because the "character" of the liquid can be viewed. In other words, a typical sight flow allows observation of liquids through a glass

pane. The Full-View sight flow allows observation of liquids in transit through a more dynamic, 3-dimensional pipeline. Designing the Full-View to match the pipe diameter streamlines the liquid flow through the sight flow and helps avoid solids settling.

Units are best suited for vertical applications. Horizontal mounting is acceptable if there is no mechanical strain imposed on the glass cylinder. Flange mounting studs are provided with SNV-F and SNVD-F flanged models for convenient flange-to-flange connections. Providing customized studs reduces the possibility of damaging the glass or flange by selecting an inappropriate bolt size or torquing the Full-View Sight Flow Indicator beyond its proper limit. To enhance quality and performance, the Full-View Sight Flow Indicator uses ductile iron rather than gray iron as the standard material of construction.

Industrial areas where low pressure viewing is needed:

Distillation - essential oils; fuels

Consumer Products - soaps and detergents; food and beverage

Chemical/Dyes - dye colors; degree of disassociation

Agricultural - slurries, fertilizers

Polymers - degree of pelletization

Pharmaceuticals - drugs and cosmetics

Materials of Construction for all Models and Bodies

Standard:

ASTM A536 Ductile Iron Gr 65-45-12
 ASTM B62 Bronze Alloy 836
 ASTM A216 Steel Gr WCB
 ASTM A351/A296 316 STS Gr CF8M

Optional:

ASTM 494 Monel Gr M-35-1
 ASTM A494 Hastelloy C CW12MW
 ASTM A743 Alloy 20 CN7M
 Consult Factory and pg 20 for other materials/components

Models SNV, SNVD, and SNL are available in PVC Type 1 and Polypropylene.

INSTRUMENTS • CONTROLS • VALVES

CLICK TO VISIT OUR WEBSITE

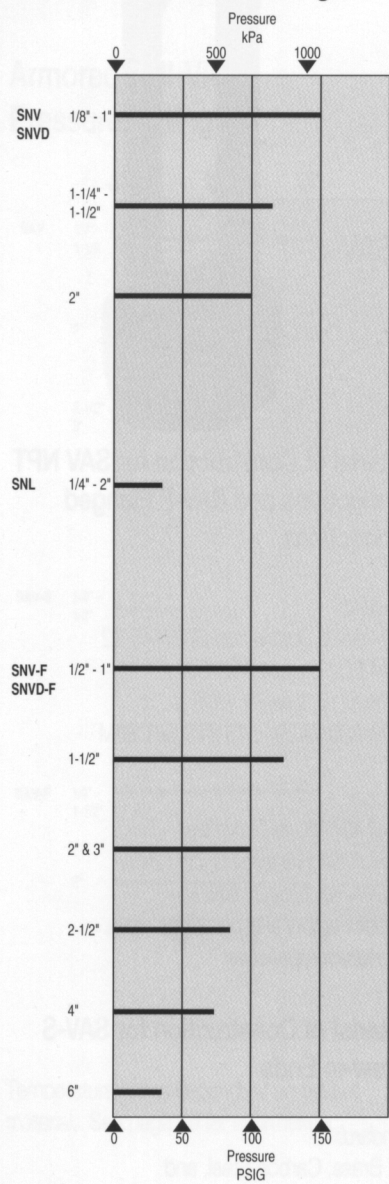
ARCO

Engineering, Inc.
SINCE 1954
www.arcoengineering.com

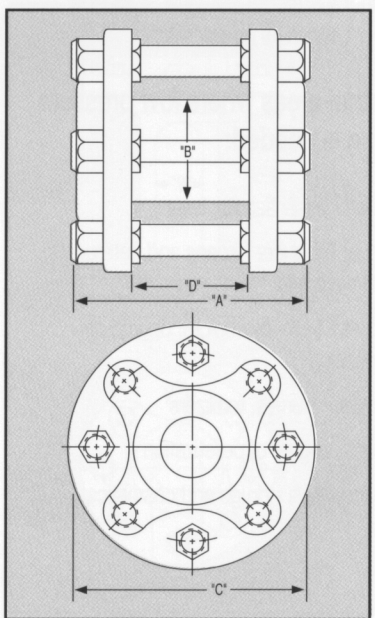
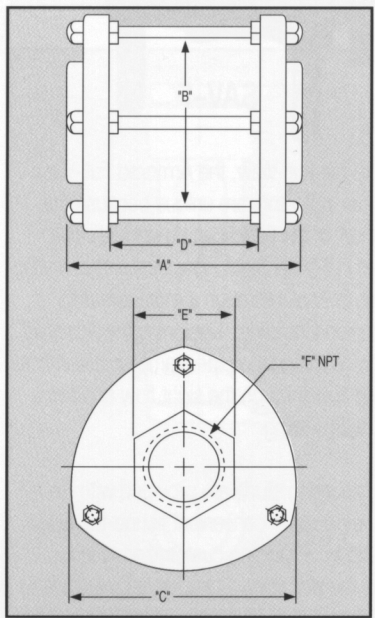
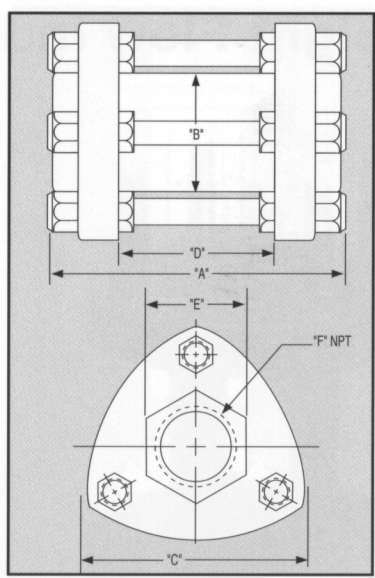
3317 Gilmore Industrial Blvd.
 Louisville, KY 40213

Ph: (502) 966-3134
 Fx: (502) 966-3135

Full View Pressure Ratings



Temperature rating dependent on gasket material. See page 20 for information.



SNV Dimensions

UNIT SIZE	DIMENSIONS IN INCHES & (CM)					
	"A"	"B"	"C"	"D"	"E"	"F"
1/8	4-3/8 (11.1)	1-3/4 (4.4)	3-3/4 (9.5)	2.625 (6.7)	1-3/8 (3.5)	1/8
1/4	4-3/8 (11.1)	1-3/4 (4.4)	3-3/4 (9.5)	2.625 (6.7)	1-3/8 (3.5)	1/4
3/8	4-3/8 (11.1)	1-3/4 (4.4)	3-3/4 (9.5)	2.625 (6.7)	1-3/8 (3.5)	3/8
1/2	4-3/8 (11.1)	1-3/4 (4.4)	3-3/4 (9.5)	2.625 (6.7)	1-3/8 (3.5)	1/2
3/4	4-3/8 (11.1)	1-3/4 (4.4)	3-3/4 (9.5)	2.625 (6.7)	1-3/8 (3.5)	3/4
1	4-1/2 (11.4)	2 (5.1)	4-1/4 (10.8)	2.5 (6.4)	1-3/4 (4.4)	1
1-1/4	4-3/4 (12.1)	2-1/2 (6.4)	4-3/4 (12.1)	2.5 (6.4)	2-1/2 (6.4)	1-1/4
1-1/2	4-3/4 (12.1)	2-1/2 (6.4)	4-3/4 (12.1)	2.5 (6.4)	2-1/2 (6.4)	1-1/2
2	5-1/2 (14.0)	3 (7.6)	5-3/4 (14.6)	3 (7.6)	3 (7.6)	2

SNL Dimensions

UNIT SIZE	DIMENSIONS IN INCHES & (CM)					
	"A"	"B"	"C"	"D"	"E"	"F"
1/4	6-3/4 (17.1)	5 (12.7)	8-1/4 (21.0)	4.25 (10.8)	3 (7.6)	1/4
3/8	6-3/4 (17.1)	5 (12.7)	8-1/4 (21.0)	4.25 (10.8)	3 (7.6)	3/8
1/2	6-3/4 (17.1)	5 (12.7)	8-1/4 (21.0)	4.25 (10.8)	3 (7.6)	1/2
3/4	6-3/4 (17.1)	5 (12.7)	8-1/4 (21.0)	4.25 (10.8)	3 (7.6)	3/4
1	6-3/4 (17.1)	5 (12.7)	8-1/4 (21.0)	4.25 (10.8)	3 (7.6)	1
1-1/4	6-3/4 (17.1)	5 (12.7)	8-1/4 (21.0)	4.25 (10.8)	3 (7.6)	1-1/4
1-1/2	6-3/4 (17.1)	5 (12.7)	8-1/4 (21.0)	4.25 (10.8)	3 (7.6)	1-1/2
2	6-3/4 (17.1)	5 (12.7)	8-1/4 (21.0)	4.25 (10.8)	3 (7.6)	2

SNV-F Dimensions

UNIT SIZE	DIMENSIONS IN INCHES & (CM)			
	"A"	"B"	"C"	"D"
1/2	3-7/8 (9.8)	1-1/4 (3.2)	3-1/2 (8.9)	2.25 (5.7)
3/4	3-7/8 (9.8)	1-1/2 (3.8)	3-7/8 (9.8)	2 (5.1)
1	4 (10.2)	1-3/4 (4.4)	4-1/4 (10.8)	2.125 (5.4)
1-1/2	4 (10.2)	2-1/2 (6.4)	5 (12.7)	2.125 (5.4)
2	4-3/4 (12.1)	3 (7.6)	6 (15.2)	2.625 (6.7)
2-1/2	5-3/8 (13.7)	3-1/2 (8.9)	7 (17.8)	3 (7.6)
3	5-3/8 (13.7)	4 (10.2)	7-1/2 (19.1)	3 (7.6)
4	7-1/2 (19.1)	5 (12.7)	9 (22.9)	4.875 (12.4)
6	10-1/4 (26.0)	7 (17.8)	11 (27.9)	7.25 (18.4)