

PENBERTHY'S 90° & 45° Angle Sight Flow Indicator Applications/Benefits

- Application: Anywhere flow must be detected in lines with 45 or 90 degree bends
- Service Benefits: Angle sight flow can be installed in more visible place.
- Cost Benefits: Use the 90-degree sight flow as an elbow and save welding expense & time from not having to cut into pipe runs.



- Installation: Plain style indication may be used in any orientation of flow, while drip tube should be mounted in a vertically downward orientation.
- Models/Sizes: SF-F 90A, SF-F 45A (plain), SFD-F 90A and SFD-F 45A(drip tube)/ standard sizes 1" to 8"
- Standard materials of construction for body: ASTM A395 Iron Gr 60-14-18
C89520 Sebiloy Bronze
ASTM A216 Steel Gr WCB
ASTM A351 316/316L STS Gr CF3M
- Optional materials of construction for body: ASTM A494 Monel Gr M-35-1
ASTM A494 Hastelloy C Gr CW12MW
ASTM A743 Alloy 20 CN7M
Consult factory for other materials,
Connections or rating classifications

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**NEW 90° ANGLE SIGHT FLOW INDICATORS FROM PENBERTHY
PROVIDE EFFECTIVE PROCESS FLOW VIEWING
FOR SPECIAL APPLICATIONS**

New 90° angle sight flow indicators from Penberthy provide effective visualization of process flow stream in some of today's most demanding applications. Unlike conventional sight flow indicators, Penberthy's 90° Angle indicator offers unique construction and superior materials for accurate visibility in specialty applications.

The 90° Angle sight flow indicator (SFI) is designed for process applications where straight-line indication is not possible. Made from a single piece cast-construction body, the 90° Angle SFI is available in flanged connections and meets ANSI standards for 150# requirements. Please contact the Plant for other connections and/or classifications requirements.

Plain style indication may be used in any orientation of flow, while drip tube indication should be mounted in a vertically downward orientation. Units come with inside and outside bosses for instrument taps and have provision for elbow flowmeter taps.

Standard sizes range from 1" to 8". 45° angle sight flows are also available.

These new products join Penberthy's already extensive offering of Fluidvision™ sight flow indicators & sight windows including ANSI, Teflon/Tefzel lined, FM approved dual-window, armored, full-view, threaded window, low-flow gaseous and sanitary 3-A certified models.

With manufacturing roots dating back well over a century, Penberthy is an industry leader in the design and manufacture of high-quality instrumentation systems for the process industry. Penberthy offers a complete line of Multiview™ magnetic liquid level gages, Fluidvision™ sight flow indicators, Levelmark™ level instrumentation, liquid level gages & valves, jet pumps and boiler trim.

With ISO 9001 certification, expert applications assistance and dedicated customer service, Penberthy is poised with the resources and commitment to meet customer needs today and in the future.

For more information on the 45° & 90° Angle sight flow indicators or any other Penberthy product, please contact:

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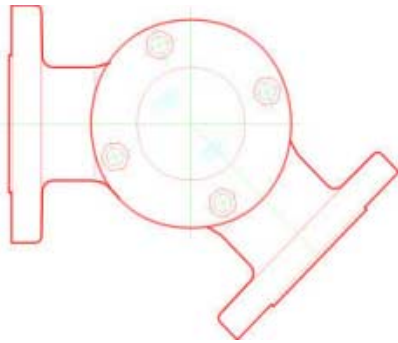




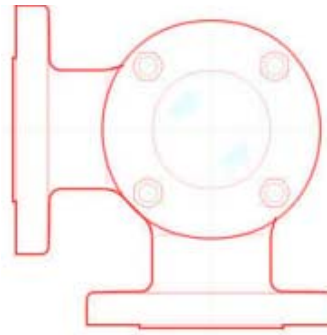
45° & 90° Angle Sight Flow Indicators

In process applications where straight line indication is not possible, use an angled indicator.

Available in flanged connections, all units meet ANSI standards for 150# requirements. The bodies are made from single piece, cast construction. These sight flow indicators are available in either Plain or Drip Tube style of indication. Units without drip tube indication may be used in any orientation of flow. Units with drip tube indication should be mounted in a vertically downward orientation. Units come with inside & outside bosses for instrumentation taps and have provision for elbow flowmeter taps.



45° Angle



90° Angle

Models	
SF-F 90A	Plain Flanged Sight Flow
SFD-F 90A	Flanged SFI (Drip Tube)
SF-F 45A	Plain Flanged Sight Flow
SFD-F 45A	Flanged SFI (Drip Tube)

Materials of Construction for Body	
<i>Standard:</i>	ASTM A395 Iron Gr 60-14-18 C89520 Sebiloy Bronze ASTM A216 Steel Gr WCB ASTM A351 316/316L STS Gr CF3M
<i>Optional:</i>	ASTM A494 Monel Gr M-35-1 ASTM A494 Hastelloy C Gr CW12MW ASTM A743 Alloy 20 CN7M

Consult factory for other materials, connections and rating classifications.

150# Flanged Dimensions - Standard sizes from: 1" to 8"

Typical application is where flow must be detected in lines with 45 or 90 degree bends.

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