

Window Flow Sights

WINDOW FLOW SIGHTS WITH RESTRICTED ORIFICE dispense liquid at a fixed flow rate which is determined by the orifice selected.

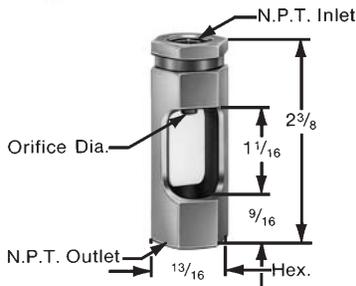
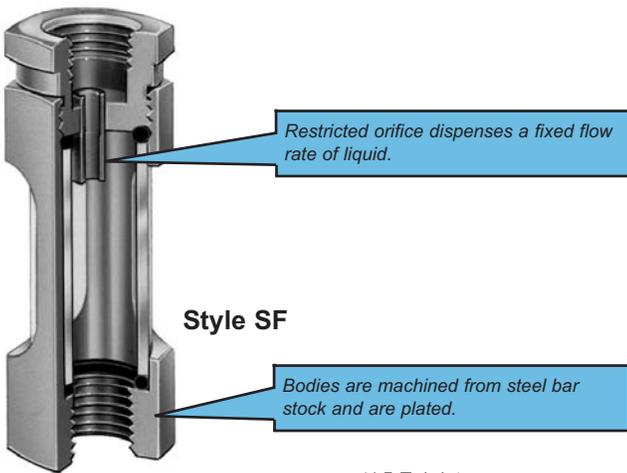
The flow of liquid is downward through a nozzle in the transparent sight and can readily be observed. Pipe threads for inlet and outlet are provided. All units are normally furnished with a pressure tight sight.

These flow sights have many applications. They provide a simple, tamperproof method of furnishing the desired amount of lubrication for bearings without the use of control valves. The sights can be used as components in lubricating systems and in a multitude of applications involving fluid transfer.

The construction is rigid. Bodies are machined from steel bar stock, and are plated. Buna-N seals are used. Inlet and outlet are offered in 1/8" or 1/4" female pipe threads. The sights are glass. There are four standard orifices available, ranging from 1/32" to 1/8" in diameter. Special orifices are available on request.

SPECIFICATIONS:

- Pressure 125 P.S.I. Maximum
- Temperature 225° F. Maximum
- Sight Glass-Pressure Tight Solid Gaskets
- Body Steel, Plated
- Seals Buna-N
- Orifice Brass



When Ordering Specify:

- Catalog Number

Flow values shown in table are approximate and are based on #20 oil at 70° F. at 10 P.S.I. and gravity discharge.

Catalog Number	Inlet N.P.T.	Outlet N.P.T.	Orifice Dia.	G.P.M.
* B-2252-1	1/8 Fem.	1/8 Fem.	1/32	.06
B-2252-2			1/16	.27
* B-2252-3	1/4 Fem.	1/4 Fem.	3/32	.61
B-2252-4			1/8	1.1

WINDOW FLOW SIGHTS FOR FULL FLOW offer no restrictions to the flow, permitting liquid to flow freely. The flow of liquid and its clarity can be visually observed through the sights. The units have an airtight sight chamber.

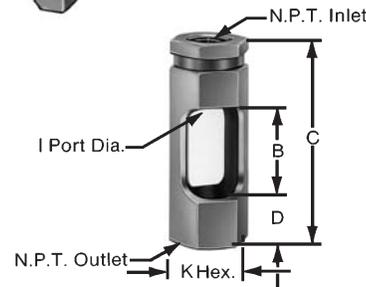
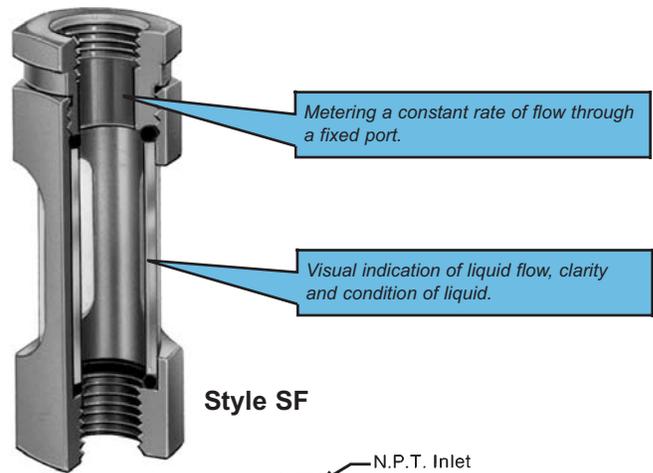
The Window Sights are primarily used in low pressure oil lines. There are no restrictions on the inside, therefore, no pressure drop, resulting in the full flow of liquid equal to respective pipe size. They can be installed in any position, either horizontally, vertically, or at an angle, and are offered in various pipe sizes.

Construction is simple and sturdy. Body is made from bar stock and is steel, plated. The sight is glass with Buna-N seals. Maximum recommended pressure is 125 P.S.I., and maximum temperature is 225° F.

There are five standard pipe thread sizes ranging from 1/8" to 3/4" female pipe thread. Larger sizes can be provided on request.

SPECIFICATIONS:

- Pressure 125 P.S.I. Maximum
- Temperature 225° F. Maximum
- Sight Glass-Pressure Tight Solid Gaskets
- Body Steel, Plated
- Seals Buna-N



When Ordering Specify:

- Catalog Number

Liquid flow rate will be approximately equal to that for the respective pipe size.

Catalog Number	Inlet N.P.T.	Outlet N.P.T.	B	C	D	I	K
A-715-1	1/8 Fem.	1/8 Fem.	1 1/16	2 1/4	9/16	11/32	13/16
A-715-2	1/4 Fem.	1/4 Fem.	1 1/16	2 1/4	9/16	7/16	13/16
A-711-2	3/8 Fem.	3/8 Fem.	1 3/8	2 7/8	3/4	37/64	15/16
A-733-2	1/2 Fem.	1/2 Fem.	1 3/8	3 5/8	7/8	9/16	1 1/16
A-2109-1	3/4 Fem.	3/4 Fem.	1 1/2	3 5/16	15/16	3/4	1 1/4

* Special - Please Consult Factory

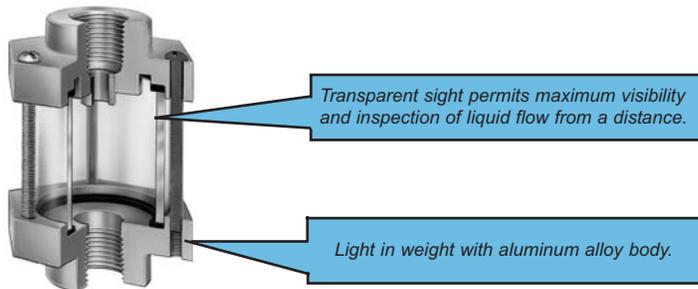
Full Vision Flow & Over Flow Sights

FULL VISION FLOW SIGHTS WITH RESTRICTED ORIFICE are used in oil lines to check the flow of oil and its clarity by visual observation. The large size and construction permits maximum visibility and dependable inspection of liquid flow from a distance. They are often used at elevated heights to tell at a glance whether oil is circulating.

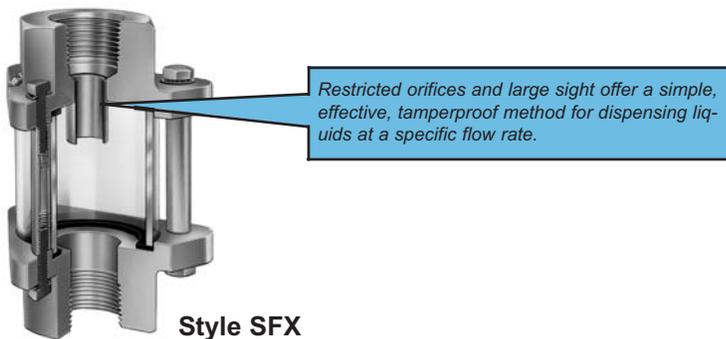
The flow of liquid is downward through a nozzle in the sight. All units are furnished with a removable vent plug. The sight chamber is normally vented when flow is discharged by gravity and closed when flow is discharged by low pressure.

SPECIFICATIONS:

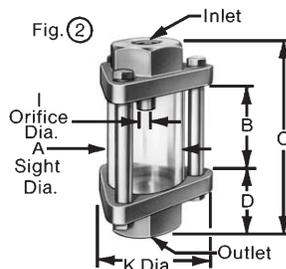
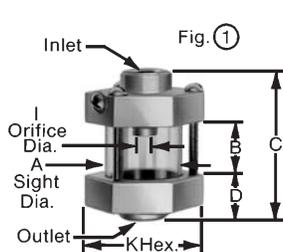
- Pressure 125 P.S.I. Maximum for Acrylic
30 P.S.I. Maximum for Pyrex
- Temperature 160° F. Maximum Acrylic, 225° F. Maximum Pyrex
- Bodies Aluminum
- Sights Acrylic, except 1¹/₈ Dia. which is Cellulose Acetate and Pyrex
- Seals Buna-N



Style SFX



Style SFX



When Ordering Specify:

- Catalog Number

Catalog Number		Inlet N.P.T.	Outlet N.P.T.	Fig.	A	B	C	D	I	K	G.P.M.
Acrylic	Pyrex										
* B-1781-12	B-1781-22	1/4	1/4	1	1 ¹ / ₈	3/4	2	5/8	5/32	1 ¹ / ₂	1.7
* B-1766-4	B-1766-14	3/8	3/8	1	1 ¹ / ₂	1 ¹ / ₈	2 ⁵ / ₈	3/4	3/16	1 ⁷ / ₈	2.4
* B-1783-12	B-1783-22	1/2	1/2	1	2	1 ⁵ / ₈	3 ³ / ₄	1 ¹ / ₁₆	5/16	2 ¹ / ₂	6.7
B-1126-3	B-1126-13	1	1	2	2 ¹ / ₂	2 ¹ / ₈	5 ⁵ / ₁₆	1 ¹⁹ / ₃₂	5/8	4 ³ / ₈	16
B-1126-4	B-1126-14	1 ¹ / ₄	1 ¹ / ₄	2	2 ¹ / ₂	2 ¹ / ₈	5 ⁵ / ₁₆	1 ¹⁹ / ₃₂	5/8	4 ³ / ₈	26.9

OVER FLOW SIGHTS are used in oil lines of circulating systems to maintain a constant visible liquid level. In addition, they permit checking of the liquid flow and clarity of liquid at a glance. Used mainly on large ring oil or reservoir type bearings of steam turbines or gear boxes, they can be used on many other applications.

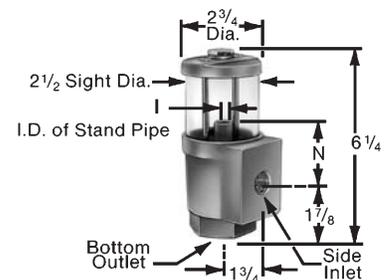
The construction is lightweight with aluminum alloy bodies and acrylic sight chambers withstanding temperatures up to 160° F. Pyrex sights are available on request which withstand up to 225° F. Bolts and standpipe are steel, plated. Buna-N seals are standard. The unit is very rigid, but can be disassembled for cleaning if required.

SPECIFICATIONS:

- Pressure Low Pressure to Stand Pipe
Gravity Discharge
- Temperature 160° F. Maximum
- Body Aluminum Alloy
- Sight Acrylic, Pyrex
- Seals Buna-N
- Stand Pipe Steel, Plated



Style SO



When Ordering Specify:

- Catalog Number

Catalog Number	Inlet N.P.T.	Outlet N.P.T.	I	N
B-239-1	1/2	1/2	9/16	1 ⁷ / ₈
B-239-2	3/4	3/4	13/16	
B-239-3	1	1	15/16	
B-239-4	1/2	1/2	9/16	1 ¹ / ₂
‡ B-239-6	3/4	3/4	13/16	1 ⁷ / ₈

- * Special - Please Consult Factory
- ‡ Pyrex Sight