

NEW-FLOW

**ISO 9001
REGISTERED**

NEW-FLOW

MANUFACTURE OF FLOW SIGHT GLASS INDICATOR

FW SERIES

Instruction Manual



FW-1
(Single Window)

FW-2
(Double Window)



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INSTALLATION

Technical Data

Service: For gases and liquid

Wetted Parts Material: Window- Tempered glass; Body- SS316;

Gasket- Teflon; Impeller- (1) ABS plastic, (2) PVDF, (3) option

Temperature Limit: For impeller- (1) ABS plastic: 70°C

(2) PVDF: 140°C

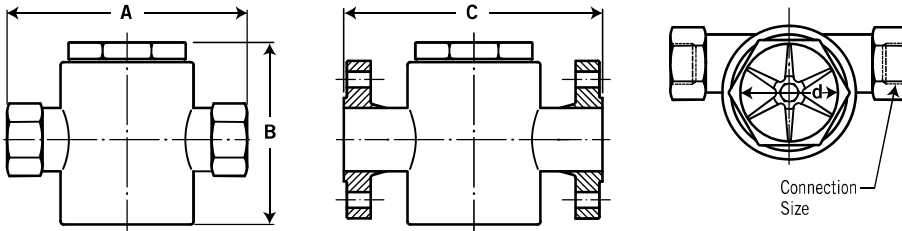
Pressure Limit: FW-1: 150 psig (10.34 bar) ; FW-2: 125 psig (8.62 bar)

Connection: Threaded

Size: 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2" NPT or PF female; and Flange type available

Dimensions

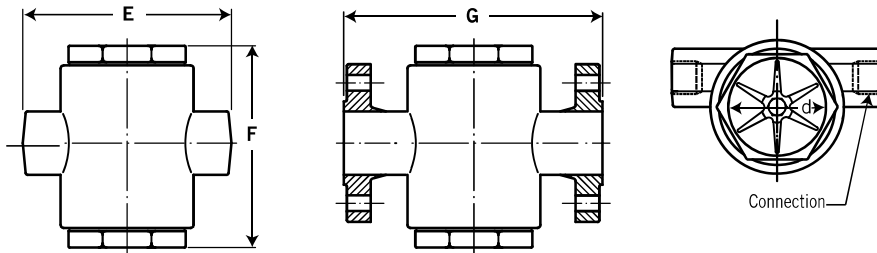
(1) Single Window: Thread type & Flange type



Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	76	76	100	100	109	109	150	150
B	43	43	67	67	72	72	95	95
d	32	32	40	40	40	40	57	57

Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
C	130	130	160	200	200	220
C (option)	140	140	140	180	180	220

(2) Double Window: Thread type & Flange type



Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
E	76	76	100	100	109	109	150	150
F	70	70	80	80	96	96	110	110
d	32	32	40	40	40	40	57	57

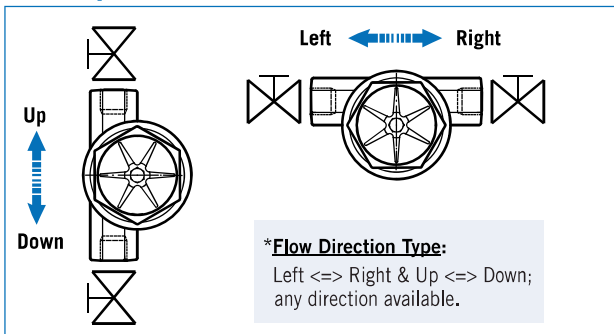
Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
G	130	130	160	200	200	220
G (option)	140	140	140	180	180	220

Flow Rate & ΔP Chart

Size	1/4"				3/8"				1/2"				3/4"				
Flow Rate (L/H)	500	1000	1500	2000	500	1000	1500	2000	1000	2000	3000	4000	1000	2000	3000	4000	5000
ΔP (mmH ₂ O)	310	1500	3400	6100	500	2200	4800	8700	280	1260	2800	5100	200	830	2000	3450	5200

Size	1"					1 1/4"					1 1/2"					2"				
Flow Rate (L/H)	1500	3000	4500	6000	7500	1500	3000	4500	6000	7500	2000	4000	6000	8000	10000	2000	4000	6000	8000	10000
ΔP (mmH ₂ O)	500	1300	2500	4000	6000	180	900	1900	3400	5000	620	800	1100	1550	2100	500	650	800	1000	1300

For Impeller Sensor Install Method



Operation Warning

1. Solid bigger than 1.0mm in fluid.
Strainer has to be installed in pipe ahead of sight gauge.
2. Avoid any pressure surge of fluid.