

# Double Window

## Flap, Spinner & Spout Visual Sight Indicator

This new double window Flow Indicator range from Flow-Mon is most useful where visual inspection of the pipeline content is needed as a plant safety or product quality measure. The sizeable windows allow an excellent view of the conditions in the line.

The plain Spout design affords visual inspection only while the hinged internal Flap with its graduated scale allows a check on flow rate changes and for instance, affords repeatability of valve positioning. The Flap or Spout can be used in transparent or slightly opaque solutions and gas services. Both units will operate in horizontal or vertical orientation (up only for Flap style).

The Spinner Double Window Sight Glass is suitable for monitoring in a vertical or horizontal position. This style like the Flap and Spout is available with threaded (BSP or NPT) as well as Flanged connections. The 8 bladed PTFE spinner and Stainless Steel internals give excellent corrosion resistance.

### Materials of Construction

<b>Body &amp; Covers</b>	- Stainless Steel 316: ASTM-A-351-2000 GR CF8M - Carbon Steel: ASTM-A-216-2000-GR-WCB - Bronze BS EN1982 CuSn5Zn5PB5-C-GS (formerly LG2)
<b>Glass</b>	- Toughened Borosilicate (DIN 7080) (16 bar) or Toughened Soda lime (BIS 3463) (40 bar)
<b>Gaskets</b>	- PTFE
<b>Flap</b>	- Stainless Steel 316
<b>Spinner</b>	- PTFE, PVC
<b>Scale</b>	- Polycarbonate
<b>Fasteners</b>	- Stainless A2
<b>Temperature</b>	- up to 250°C

Every effort will be made to meet any special connection and material requirements

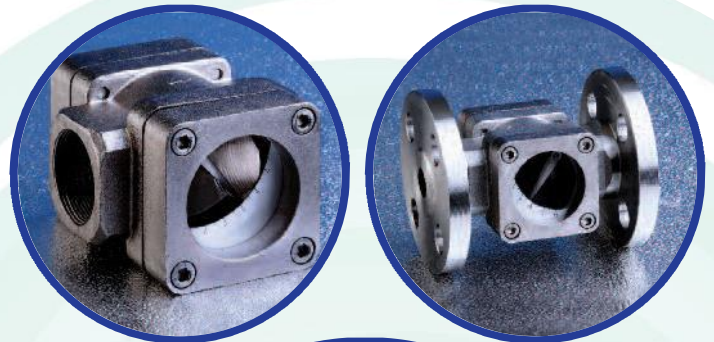
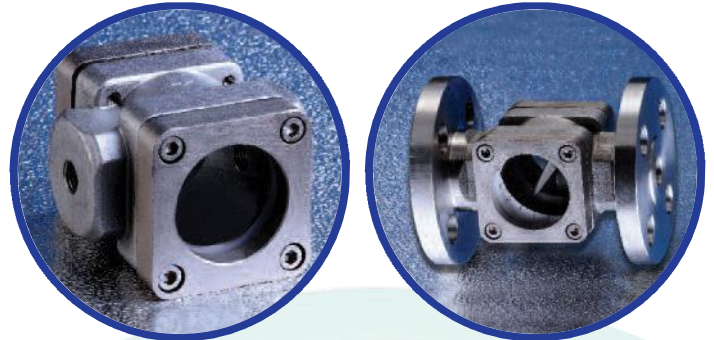
### Pressure Rating 40Bar

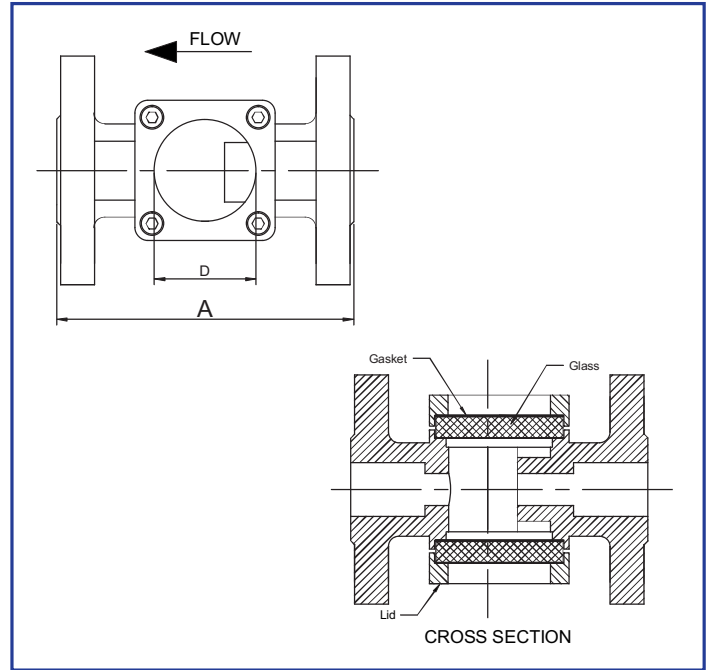
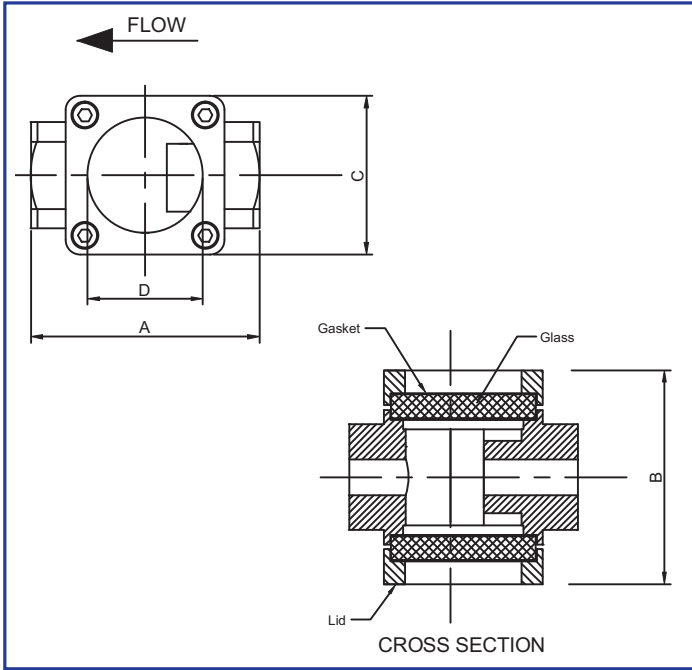
(subject to Glass & Flange specification)

Sizes BSP, NPT and Flanged connection: PN16, 40, Ansi150, 300 (other configurations also available)

<b>Small</b>	1/4"(8)	3/8"(10)	1/2"(15)	3/4"(20)	1"(25)
<b>Medium</b>	1 1/4"(32)	1 1/2"(40)	2"(50)		
<b>Large</b>	3"(80)	4"(100)			

All units are tested to 1.5 times the standard pressure limit applicable to the unit specification. Test and 3.1b material certification are available if applied for at order placement.





Dimensions (mm)

Scale (lpm)

Size	Weight (kg)		A (mm)		B (mm)	C (mm)	D (mm)	Scale (lpm)				Top	Max Flow
	T	F	T	F				2	4	6	8		
8	2	4	95	140	89	66	48	2.5	3.5	4.5	7	22	100
10	2	4	95	140	89	66	48	2.5	4	4.5	7	24	150
15	2	4	95	140	89	66	48	3	4.5	6	8.5	20	250
20	2	4	95	140	89	66	48	3	5	6	9	20	250
25	2	4	95	140	89	66	48	3.5	6	8	10	25	250
32	4	7	120	180	120	89	62	7	11	14	24	40	550
40	4	7	120	180	120	89	62	8	12	15	25	50	600
50	4.5	9	150	220	170	110	77	9	15	28	50	75	1000
80	-	19.5	-	258	160	165	100	24	32	52	128	220	
100	-	23.5	-	258	160	165	100	46	70	100	150	220	

T = Threaded F = Flanged

FMF	SS	B	32	
<p><b>Style</b> FMF = Flap FMP = Spout FMS = Spinner</p>	<p><b>Material</b> B = Bronze SS = Stainless Steel CS = Carbon Steel</p>	<p><b>Glass</b> B = Borosilicate S = Sodalime (Specials please contact Flow-Mon)</p>	<p><b>Size</b> 8 = 1/4" 10 = 3/8" 15 = 1/2" 20 = 3/4" 25 = 1" 32 = 1 1/4" 40 = 1 1/2" 50 = 2" 80 = 3" 100 = 4" (Std thread BSP. For NPT add N. For socket weld add SW)</p>	<p><b>Flange</b> For Ansi or Din flanges add one of the following F16, F40, F150, F300</p>