



# Sight Flow Indicator

Level Gauge

Gauge Valve

Safety Relief Valves

Magnetic Level Gauge

Chambers

Level Switches



## BLISS ANAND



## Our Mission Statement

To Develop, manufacturing & market, Field Instruments and Speciality Valves with innovative technology for the Global market, with extra care for customer comforts.

To Build a sustainable, profitable, human value and growth oriented socially responsible corporate through strong and effective systems, committed team and satisfied customer base.

With a modest beginning in 1975 as a trading company in Valves and Fittings, today BLISS ANAND is a leading Indian Field Instrument manufacturer and is striving to be world leader in high quality Process Instrument Products providing cost effective solutions to the customers.

The company has achieved a number of milestones in its history- thanks to the passion, dedication and team work of BLISS family.



Mr. Prem Anand  
Chairman  
Bliss Anand Group

A Blend of Modern technology and education with hard core human values based culture, creating a new mould of individuals forming an Organisation, entering into the Global Business arena, is a matter of pride for Bliss Anand.

We started our organisation with burning desire to cater to various needs of customer applications through innovative and cost-effective solutions. Bliss Anand has grown to global standards and is competing with developing and developed countries.

The company has achieved a number of milestones in its history- thanks to the passion, dedication and team work of our employees. Field Instrumentation in the global market is slowly shifting to developing countries, due to cost effectiveness and labour intensive processes. I perceive Bliss Anand to be a leading player in Field Instrument manufacturing.

Bliss Anand manufacturing / assembly offices worldwide  
for high quality process instrumentation





# Sight Flow Indicator



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## SIGHT FLOW INDICATORS

Sight Flow Indicators provide an effective way to view the condition of liquids or solids flowing through pipelines at most any flow, pressure, or temperature, a major advantage over electronic devices where it is difficult to distinguish if there is a flow problem or malfunction in the device. Bliss Anand Sight Flow Indicators assure a direct and positive indication of flow rate, flow direction and condition of the medium being transported plus enable a means of inspecting pipelines for dirt, scale and foreign matter.

### MODEL - Flapper, Rotary and Drip Designs

**Flapper** models indicate flow by the position of a vane or flapper in the center of the viewing window and are recommended for applications involving transparent or slightly opaque solutions. Frequently specified to indicate the variations in the flow rate of gases as well as liquids. Flapper models are bi-directional designed for horizontal and upward vertical flow applications. When it is not necessary to visualize flow motion, the same basic sight flow indicator is supplied without a flapper component.

**Rotary** models indicate flow by the spinning of a rotor and are suitable for any flow direction and are especially suited for applications involving dark solutions. The rotor motion is easily seen, even from great distances and recommended for uses with transparent solutions or gases. Rotors are supplied in materials that are impervious to many kinds of fluids and should be used if the flow rate is to be detected.

**Drip** models are for vertical downward flow applications in distillation and similar systems involving extremely low or intermittent flow. A strong advantage of a drip model is absolutely no obstruction to downward flow. Plain models without drip tubes operate effectively with flow in any direction and those with tubes have them positioned in the center window area for ease of observation.



## SIGHT FLOW INDICATORS

### DOUBLE WINDOW SIGHT FLOW INDICATORS

#### SCREWED

##### MODEL - 1000S

Recommended for any flow direction, Style 1000S rotary type indicator is best suited to lines carrying dark solutions where rotor motion is easily detected. It can be used with transparent solutions and gases and is ideal where observation must be at a distance.



MODEL - 1000S

##### MODEL - 2000S

Recommended for both horizontal and upwards vertical flow. Style 2000-S is best suited to transparent or slightly opaque solutions. It is frequently used for gases and can be supplied without a flapper if no internal indicator is required. In standard units the position of the hinged flap indicates variation in flow rate.



MODEL - 2000S

##### MODEL - 3000S

Recommended for downward vertical flow. Style 3000S is particularly suited to distillation and similar apparatus with intermittent flow. Drip type indicator do not obstruct flow in any way and many also be used for horizontal flow.



MODEL - 3000S

##### MODEL - 1000-2000-3000S - 150 #

PIPE SIZE		1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
DIMENSIONS (mm)	L	95	95	108	140	140	158
	D	31	31	32	55	55	63

PRESSURE RATING - 150 PSIG



# SIGHT FLOW INDICATORS

SIGHT FLOW INDICATORS

## DOUBLE WINDOW SIGHT FLOW INDICATORS

### FLANGED

#### MODELS - 1000F

For pipe size 1" thru 6" with any flow direction. Best suited to lines motion is easily detected. It can be used with transparent solutions observations must be made at a distance.



MODEL - 1000F

#### MODEL - 2000F

For pipe sizes 1/2" thru 12" in horizontal lines or vertical lines with upward flow. Style 2000F is best suited to transparent or slightly opaque solutions and may be used for gases. Variation in flow rates is indicated by position of the flapper. All sizes are supplied without flapper on order. 14" and 16" sizes are available without flapper only.



MODEL - 2000F

#### MODEL - 3000F

For pipe sizes 1/2" thru 10" in lines with vertical downward flow. Drip type indicators are particularly suited to distillation or similar apparatus with intermittent flow



MODEL - 3000F

#### MODEL - 1000-2000-3000F - 150 #

PIPE SIZE	DIMENSIONS (mm)		PR. RATING PSIG
	L	D	
1/2" & 3/4"	117	29	150
1"	143	32	150
1 1/2"	165	50	150
2"	200	50	150
2 1/2" & 3"	239	81	150
4"	280	111	150
6"	362	175	50/150
8"	410	214	50/150
10"	629	240	50/150
12"	655	280	50/150
14"	679	280	50/150

#### MODEL - 1000-2000-3000F - 150 #

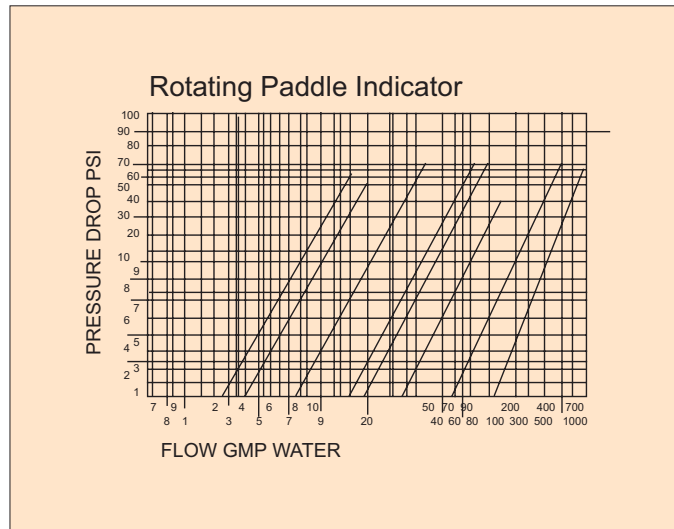
PIPE SIZE	DIMENSIONS (mm)		PR. RATING PSIG
	L	D	
1/2" & 3/4"	150	25	
1"	175	32	
1 1/2"	190.5	50	
2"	219	50	300
2 1/2" & 3"	289	81	
4"	336	108	
6"	543	140	
8"	585	140	



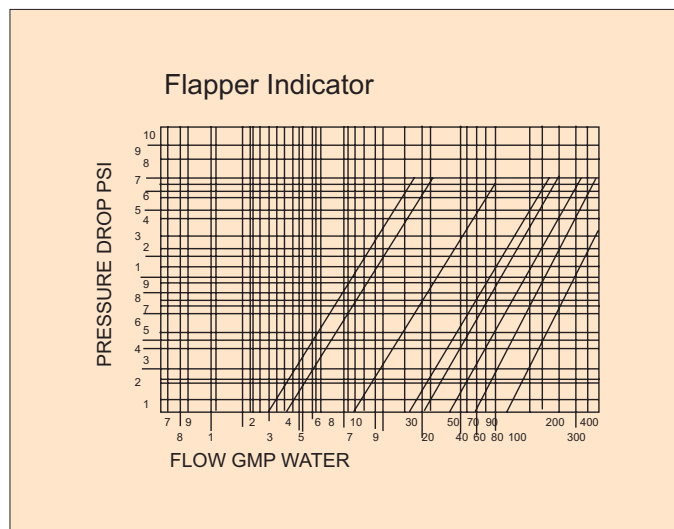
SIGHT FLOW INDICATORS

PRESSURE DROP CHART

Rotating Indicator



Flapper Indicator





## SIGHT FLOW INDICATORS

### MATERIAL OF CONSTRUCTION

Body - Material
A 216 Grade WCB
A 351 Grade CF8
A 351 Grade CF8M
A 351 Grade CF3
A 351 Grade CF3M
A 217 Grade WC6
A 182 F 11
A 182 F 51
A 182 F 5
Special

Cover - Material
A 216 Grade WCB
A 351 Grade CF8
A 351 Grade CF8M
A 351 Grade CF3
A 351 Grade CF3M
A 217 Grade WC6
A 182 F 11
A 182 F 51
A 182 F 5
Special

\* Steam Jack available on request

\* Teflon lined Sight Glass also available on request









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