

Stainless Steel Multi-Purpose Flow Indicator



Introduction

This product has been developed to enable industry to standardize on a rugged and versatile flow indicator that will satisfy most requirements within pipe sizes 1/4" to 1 1/2".

Operation

On a "No Flow" condition the PTFE ball remains hidden in the body socket. With flow the ball becomes visible in the socket at rates from 0.3 litres / minute. As the flow rate increases the ball leaves the socket and moves freely in the large glass dome (providing positive indication of flow from a considerable distance). The indicator must be installed horizontally with glass dome positioned upwards.

Application

The combination of stainless steel, PTFE and borosilicate glass enables this competitively priced flow indicator to be applied to process and corrosive liquids, as well as to cooling and lubricating applications. This multi-purpose flow indicator can also be used on condensate and flow of gas, air, etc. Apart from flow, the color and condition of liquids can also be observed.

Maximum Pressure: 1380 kPag / 200 PSIG

Maximum Temperature : 170°C / 338°F

Flow Requirements

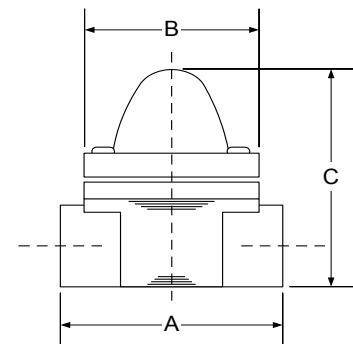
Size	Min Flow	Out of Socket	Max Flow	Pressure Drop - 2m/sec
Inch	l/min	l/min	l/min	bar
1/4	0.1	1.0	60	0.13
3/8	0.1	1.0	60	0.16
1/2	0.1	1.0	65	0.19
3/4	2.4	5.2	150	0.16
1	2.7	5.5	165	0.40
1 1/4	11.0	16.0	400	0.20
1 1/2	16.0	21.0	450	0.23

Dimensions and Weights

Bore	Size	Weight	A Overall Length	B Width (clamp)	C Overall Height
mm	Inch	Kg	mm	mm	mm
8	1/4	0.72	76	63	79
10	3/8	0.69	76	63	79
15	1/2	0.65	76	63	79
20	3/4	1.30	89	63	95
25	1	1.25	89	63	95
32	1 1/4	2.50	117	75	125
40	1 1/2	2.35	117	75	125

Construction Materials

Body:	Stainless Steel ANC4B (316 SS)
Clamp Ring:	Stainless Steel
Sight Ball:	PTFE 'Teflon'
Glass Dome:	Annealed Borosilicate
O-Ring:	Viton
Gasket:	Klingsil C-4400
Fasteners:	Stainless Steel



Ordering Details

Size	Description	Model
1/4"	St. St. Ball Flow Indicator	SBS-025
3/8"	St. St. Ball Flow Indicator	SBS-038
1/2"	St. St. Ball Flow Indicator	SBS-050
3/4"	St. St. Ball Flow Indicator	SBS-075
1"	St. St. Ball Flow Indicator	SBS-100
1 1/4"	St. St. Ball Flow Indicator	SBS-125
1 1/2"	St. St. Ball Flow Indicator	SBS-150

Spares

PTFE Sight Ball	1/4" - 1"	SBS-BALL1
PTFE Sight Ball	1 1/2"	SBS-BALL-2
Glass Dome	1/4" - 1"	SBS-DOME-1
Glass Dome	1 1/2"	SBS-DOME-2
Gasket Set	1/4" - 1"	SBS-GSK-1
Gasket Set	1 1/4" - 1 1/2"	SBS-GSK-2

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