'Rising Ball' Visual Flow Indicator

go with the flow...

Our Rising Ball, introduced to give industry a high standard flow indicator that meets the needs of simple flow applications. When calibrated flow indicators are not needed, the Rising Ball will satisfy most requirements within pipe sizes 8mm to 40mm. Being constructed from high quality materials this in-line indicator will meet the needs of many chemical applications, as well as being suitable for water, oil and gases.

Whilst there is no flow in the pipe the white PTFE Ball remains seated in the body socket. As the flow rises the ball will lift out of the socket, clearly becoming visible. The ball will continue to rise and move freely in the dome as the flow rate increases. The Rising Ball needs to be mounted on a horizontal plane, with the glass dome positioned upwards. When there is flow in the pipes the ball can be seen clearly, giving a positive confirmation of flow.

Features & Benefits

- Clear flow indication.
- 16 bar pressure and 200°C temperature capability.
- Excellent chemical compatibility due to the materials of construction.
- Can be used on condensate duty as well as liquids and gas.
- Operates over a wide flow range.
- Durable PTFE ball and borosilicate glass dome.
- Competitively priced.
- Off the shelf deliveries.
- No routine maintenance needed.
- Unrivalled flow and pressure drop performance.
- Manufactured in stainless steel or bronze.

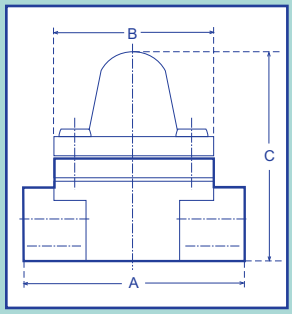
Applications

This flow indicator is primarily used in plant protection applications to show lubrication or coolant flow to pumps, compressors or engines. Applications for the Rising Ball include:

- Ensuring that the flow of cooling water is maintained to specialised medical factory equipment.
- Indicating chemical dosing on water treatment facilities.
- Showing the presence of condensate in steam return lines.
- Detecting changes in the condition and colour of liquids during processing.
- Maintaining demineralised water rinsing essential to electronics components manufacture.

Technical Data

Materials :	
Body	- Stainless Steel (ANC4B) or - Bronze (LG2)
Clamp Ring	- Stainless Steel or Bronze
Ball	- PTFE 'Teflon'
Glass Dome	- Annealed Borosilicate
'O' Ring	- Viton
Gasket	- Klingersil (C-4400)
Fasteners	- Stainless Steel



Pressure :	- 16 Bar (maximum working pressure)
Temperature :	- 200°C (maximum working temperature)
Connections :	- BSP(F) parallel and NPT(F) taper

Every effort will be made to meet any special connections and seal requirements.

Flow Requirements

Size	Min Flow	Out of Socket	Pressure Drop - 2 m/sec
mm	l/min	l/min	bar
8	0.1.	1.0	0.13
10	0.1	1.0	0.16
15	0.1	1.0	0.19
20	2.4	5.2	0.16
25	2.7	5.5	0.40
32	11.0	16.0	0.20
40	16.0	21.0	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

BELL Flow Systems
www.bellflowsystems.com