



Glass Tube Rotameter



PRINCIPLE OF OPERATION:

As the Flow of Fluid Passes through the Tapered tube, The Float Rises, The Float Rising is a result of the fluid passing through the Tapered hole. The Flow Measurement is taken at the Point where the Float is in equilibrium between the upward buoyant force and the downward force of the Weight of the Float.

The Purge Type Rotameters with Wide Range of Applications Especially Suited for The Measurements of Small Liquid or Gas Flows.

CONSTRUCTION:

The Main Components of The Miniature flowmeter are the measuring tube, The Float and the Indicator Part. As a Standard, The Wetted Parts are Manufactured from Acid & Corrosion Resistant stainless Steel. The Integrated Limit Value Switch (as An Option) Serves for The detection and signalization of high and low flow Values.

TECHNICAL DATA:

Std Connection: ¼ BSP
Pressure Rating : 16 Bar
Accuracy: +/- 2% FSD
Rangeability:10:1
Measuring Tube: Borosilicate Glass
Shape of Float: Ball
Fine Adjusting Valve: at inlet/Outlet.
Endconnections : Rear/Rear
Material of Construction: all Wetted parts, Body and Adjusting Valve in SS
Packing: Neoprene, Viton, PTFE

Operating Principle

Glass Tube Rotameter is basically a Variable Area Flow Meter. The differential pressure across the annulus area is constant and the flow rate is measured as a function of the annulus area. This area is displayed as the position of a "Float".

Standard Features

- ▶ Various Material of Construction
- ▶ Line Size from 15 NB to 80 NB
- ▶ Heavy Duty Design with Maximum Visibility
- ▶ Ranges between 2.0 LPH to 25000 LPH
- ▶ Two Tone Powder Coated Excellent Finish
- ▶ No Threads in Body, Avoids Corrosion for Flanges End Connections With Lined
- ▶ Face-To-Face Distance : 500 mm
- ▶ Single Piece (jointless) PTFE / PP claded end connections (Optional)
- ▶ Easy to Maintain and Replace
- ▶ Suitable for on Line Installation
- ▶ Measuring Span : 1:10
- ▶ Glass : Borosilicate
- ▶ Linear Scale
- ▶ Accuracy : +/- 2% of Full Scale

Parts ▼	OPTIONS		
Enclosure	MS- Powder Coated ,	SS- Powder Coated,	SS- Buffed ,
Flange – NB	15, 25, 40, 50, 80		
Flange Specifications	ASA-150, BS10-T-E, BS10 T-F, Din-10		
MOC Wetted	CS, SS304, SS316, CS-PTFE, CS-PP		
Float – MOC	SS316, PTFE, PVC, Aluminium		
Flange – MOC	CS, SS304, SS316		
PTFE Enve. Gland Packing	Nitrite , Silicon, Viton		

No 22,Chikkanahalli Road,IIInd Cross,Bommanahalli Industrial Area
Bangalore-560 114 Ph :0091 80 65713357 Mobile: 9341250460,9164542404
Email:nxlinstruments@gmail.com,nxlinstruments@yahoo.com
WWW.nxiflow.in