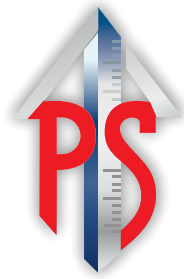


Engineered for Precision.
Built for Performance



PS INSTRUMENTS

FLOW • LEVEL • MEASUREMENT

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GLASS TUBE ROTAMETER

The Glass Tube Rotameter is a precision-engineered variable area flow meter designed for accurate measurement of liquid and gas flow rates.



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GLASS TUBE ROTAMETER

(Variable Area Flow Meter)

Product Overview

The Glass Tube Rotameter is a precision-engineered variable area flow meter designed for accurate measurement of liquid and gas flow rates. It consists of a tapered borosilicate glass tube and a float that rises with increasing flow, providing a direct and reliable indication of flow rate.

Working Principle

The operation is based on the variable area principle:

- Fluid flows upward through a vertically mounted tapered tube
- The float rises according to the flow rate
- The float position indicates the flow on a calibrated scale
- The pressure drop remains nearly constant

Provides direct reading without external power

Key Features

- ✓ Clear glass tube for easy visual monitoring
- ✓ High accuracy up to $\pm 2\%$ F.S.
- ✓ Simple and maintenance-free design
- ✓ Suitable for both liquids and gases
- ✓ Corrosion-resistant construction
- ✓ Easy installation and operation
- ✓ Cost-effective solution for flow measurement
- ✓ Wide range of flow capacities

Technical Specifications

Parameter	Details
Measuring Range	1 LPH to 30000 LPH
Line Size	15 NB to 100 NB
Accuracy	$\pm 2\%$ F.S.
Temperature	Up to 250°C
Pressure	Up to 1–10 kg/cm ²
Viscosity	Up to 200 cP
Scale	Acrylic / SS / Aluminum
Mounting	Vertical





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Material of Construction

- Tube : Borosilicate Glass
- Float : SS304 / SS316 / PTFE / PP
- Body : Stainless Steel / Mild Steel
- Seals : PTFE / Viton / Neoprene

Advantages

- ✓ Economical compared to metal tube rotameters
- ✓ Direct visual indication of flow
- ✓ No power supply required
- ✓ Easy maintenance and tube replacement
- ✓ Lightweight and compact design

Optional Features

- ✓ Built-in flow control valve
- ✓ Limit switch for alarm indication
- ✓ Customized calibrated scale
- ✓ Panel mounting / Pipe mounting options



BENEFITS OF P S INSTRUMENTS Glass Tube Rotameter

(Simple in Design. Powerful in Performance)

Precision You Can See

- Simple, Reliable, Accurate Flow Measurement
- Engineered for Clarity & Performance
- Trusted Flow Indication for Every Industry
- Cost-Effective Flow Monitoring Solution



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WHY OUR COMPANY ?

- ✓ ISO 9001:2015 Certified
- ✓ Experienced Manufacturing Team
- ✓ Customization Available
- ✓ Competitive Pricing
- ✓ Strong After-Sales Support
- ✓ Quick Response
- ✓ Expert Technical Support
- ✓ On-Time Delivery



“Fast Response.

Expert Support.

Reliable Delivery – Every Time.”

APPLICATIONS



Chemical Industry

- Acid, alkali, corrosive liquids flow measurement
- Dosing & process control systems



Pharmaceutical Industry

- Purified water (PW), WFI systems
- Clean & hygienic process lines



Oil & Gas Industry

- Fuel oil, diesel, lubricants flow measurement
- Gas flow monitoring in pipelines



Water & Wastewater Treatment

- Raw water / treated water flow monitoring
- Chemical dosing lines



Boiler & Steam Systems

- Steam flow measurement
- Feed water & condensate lines



Power Plants

- Cooling water circuits
- Lubrication oil systems



Process Industries

- Flow indication in pipelines
- Batch & continuous process control



OEM & Machinery



- Skid-mounted systems
- Panel-mounted flow indication



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