

Variable Area Flowmeter for Fluid Measurement

This variable area flowmeter measures fluid flow by observing the area of the flow path. It is suitable for measuring corrosive fluids or gases in chemical labs and industrial applications.

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ADDITIONAL IMAGES



Overview

Precision Flow Measurement

This variable area flowmeter is designed for reliable and accurate fluid flow measurement in industrial piping systems. Utilizing a float-based tapered tube design, it provides visual flow rate verification alongside optional electronic signal output. Its robust construction supports diverse connection types and challenging operating environments, including high-temperature and hazardous conditions.

Performance Metrics

Accuracy Rating

1.5 %

Standard Accuracy

1 %

Special Accuracy

Operating Limits

Maximum Pressure by Pipe Size

Pipe Size (DN)	Max Pressure
DN15, DN25, DN40, DN50	4.0 Mpa
DN80, DN100, DN150	1.6 Mpa

Temperature Tolerances

- Ordinary Fluid: -40°C to 100°C
- High-Temperature Fluid: -80°C to 250°C
- Liner F46 Fluoroplastic: -40°C to 80°C
- PTFE: -10°C to 120°C

Installation & Compatibility

Connection Options

Flanged, Threaded, Tri-clamp

Compliance & Safety

Explosion-proof Classes

Intrinsically safe • ExibIICT4 • ExdIIBT4

Technical Specifications

Power & Output

3.6VDC 2-wire, 4-20mA output