

The Series Z400 Acrylic Rotameter

Transparent body, clear reading



The Series Z400 Acrylic Rotameter is a variable area flowmeter. Its measuring tube is made of transparent acrylic. As fluid passes through the pipe, the float suspends itself under the influence of fluid dynamics and gravity. The greater the fluid flow, the higher the float rises, allowing direct reading of the flow value from its position. With high transparency, impact resistance, and excellent chemical compatibility, this acrylic tube flowmeter becomes a preferred tool for laboratories, food & pharmaceutical industries, and measurement of corrosive media with small to medium flow rates. Its lightweight design, low cost, and ease of observation give it significant advantages in all applications.

SPECIFICATIONS	
Service	Compatible liquids
Material	Body: Acrylic; O-ring: Silicone Rubber; Connection: PP or 304 Stainless Steel
Accuracy	±6%
Temperature Rating	0°C to 55°C
Pressure Rating	Less than 0.6MPa

FEATURES

- The rotor floats with the fluid, no mechanical wear, low maintenance costs, and a long service life.
- Alarm switch output is available.
- Lightweight and cost-effective, it provides an economical flow measurement solution.
- Installed vertically without requiring straight pipe sections.
- The transparent pipe allows for direct observation of the fluid status and rotor position, facilitating easy reading.

APPLICATIONS

- Pharmaceutical Industry
- Semiconductor Industry
- Food and Beverage Industry
- Urban Water Supply and Drainage
- Environmental Protection
- New Energy Industry
- Scientific research institution

MODEL CHART		
Model	Z-4001	Dual Scale: 0.2 GPM - 2 GPM / 1 LPM - 7 LPM, BSP 1/2"thread, weight: 0.2Kg, Dimensions: Ax B = 210x32mm
	Z-4002	Dual Scale: 0.5 GPM - 5 GPM / 1.8 LPM - 18 LPM, BSP 1/2"thread, weight: 0.2Kg, Dimensions: Ax B = 210x32mm
	Z-4003	Dual Scale: 1 GPM - 10 GPM / 4 LPM - 36 LPM, BSP 3/4"thread, weight: 0.65Kg, Dimensions: Ax B = 278x45mm
	Z-4004	Dual Scale: 2 GPM - 20 GPM / 10 LPM - 70 LPM, BSP 1"thread, weight: 0.65Kg, Dimensions: Ax B = 265x51mm
	Z-4005	Dual Scale: 5 GPM - 30 GPM / 20 LPM - 110 LPM, BSP 1"thread, weight: 0.65Kg, Dimensions: Ax B = 265x51mm
	Z-4006	Dual Scale: 20 GPM - 60 GPM / 80 LPM - 220 LPM, BSP 1-1/2"thread, weight: 0.65Kg, Dimensions: Ax B = 306x51mm
	Z-4007	Dual Scale: 30 GPM - 110 GPM / 100 LPM - 400 LPM, BSP 2"thread, weight: 1.4Kg, Dimensions: Ax B = 345x75mm
	Z-4008	Dual Scale: 50 GPM - 150 GPM / 180 LPM - 600 LPM, BSP 2"thread, weight: 1.4Kg, Dimensions: Ax B = 345x75mm
	Z-4009	Dual Scale: 60 GPM - 200 GPM / 200 LPM - 800 LPM, BSP 2"thread, weight: 1.4Kg, Dimensions: Ax B = 345x75mm