

EW-32003-04

150-mm Direct Reading Flowmeters



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FLOWMETER,ALUMINUM/CARBOLOY

£132.75 / each (GBP)

Available in 7 days.

- Front shields magnify scale 16%—easy to read from a distance

These direct reading flowmeters have a ceramic millimeter scale is fused onto the flowtube. A vertical tangential locator line ensures hairline accuracy in reading float position. The front polycarbonate shields are magnified 16% for easy, accurate readings.

Select a flowmeter that best suits your application from the several valve options and wetted materials. Nonwetted parts for all models include aluminum frame side plates, polycarbonate shields, and acrylic back plates. For help in determining the chemical compatibility of flowmeter materials, see our chemical resistance charts on pages 2194-2203.

Units are supplied with either a black glass (G), a 316 stainless steel (SS), a sapphire (Sa), or a carboloy ©float (see tables). Direct reading flowmeters for argon, CO₂, helium, nitrogen, and oxygen are available—call our Applications Specialists for more information.

Inlet and outlet connections are 1/8" NPT(F) with external threading for panel mounting (two retaining nuts are included). See pages 418-460 for fittings to connect to flowmeters; see pages 2015-2039 to order tubing.

Flowmeter Options

Aluminum is economical and good for general use with noncorrosive gases and liquids. Aluminum fittings, Buna N O-rings, borosilicate glass flowtubes, 316 stainless steel (SS) 150-mesh inlet screens, and glass or 316 SS floats.

Brass is economical and good for use with water. Chrome-plated brass fittings, Buna N O-rings, borosilicate glass flowtubes, 316 SS 150-mesh inlet screens, and glass or 316 SS floats.

316 Stainless Steel withstands higher temperatures and pressures; and features excellent chemical compatibility. Fittings are 316 SS. Viton® O-rings, borosilicate glass flowtubes, 316 SS 150-mesh inlet screens, and glass or 316 SS floats.

Valve Options include valveless or with valve. Valves come mounted at the inlet (bottom) of applicable flowmeters but can be reconfigured to mount at the outlet. For positive pressure applications with liquids and gases, position the valve at the inlet; for vacuum applications, position at the outlet.

Specifications

Media		air
Flow rate (air)		100 mL/min
Accuracy		±5% full-scale
Repeatability		±0.25%
Material	Housing	Aluminum
	Flow Tube	Borosilicate Glass
	fitting	Aluminum
	Valve	Aluminum
	o-ring	Buna N
	float	Carboloy
Max operating temperature		250°F (121°C)
Max pressure		200 psi
Connections		1/8" NPT(F)