



High-Accuracy Oxygen and Air Flowmeters

Ideal for use in aquaculture, medical, and laboratory processes

- Available for use with both oxygen and breathing air
- Precision control valve provides accurate, leak-free flow control
- Machined brass base with integral DISS fitting and plated with a high-gloss chrome-like finish

These accurate, low-cost flowmeters are perfect for fish farms, welding apparatus, and medical devices that need to regulate oxygen and air into processes. Flowmeters are made with high-impact resistant Lexan® shield and flow tube. Combined with a sturdy machined brass base, these meters will stand up to the rigors of clinical or field use. The durable, stainless steel stem valve ensures precise control throughout the full flow range and provides for positive flow shut-off. O-ring seals eliminate the leaks that are commonly associated with plastic-base models. Meters are calibrated at 50 psig inlet pressure for accurate flow measurement under a variety of operating conditions.

Materials of Construction

Case	Brass
Flow tube, shield	Lexan®
Fittings	Nickel-plated brass
O-rings	Buna N



Specifications

Media type: oxygen and air	Repeatability: ±1% full-scale	Connections: 1/8" NPT (F) inlet, 1/16-18" male DISS outlet
Accuracy 1/8 to 4 LPM: ±0.2 LPM 4 to 8 LPM: ±0.4 LPM 8 to 15 LPM: ±0.6 LPM	Maximum pressure: 100 psig	Dimensions Fitting-to-fitting: 1 1/16" (1.75 cm) Height: 5 1/4" (13.3 cm)
	Operating temperature: 32 to 150°F (0 to 65°C)	

Flow range (LPM)	Float	For oxygen		For air	
		Catalog number	Price	Catalog number	Price
1/8 to 3 1/2	Black glass	R-32900-62			
1/4 to 8	Black glass	R-32900-64		R-32900-68	
1/2 to 15	Stainless steel	R-32900-66		R-32900-70	



Impact-Resistant Polycarbonate Flowmeters

Precision-adjusting valve for accurate, leak-free flow control

- High-quality construction
- Economy combined with high accuracy
- Ideal for OEM applications

Molded of high-impact-resistant polycarbonate, these direct-reading flowmeters are supplied with scales in both English and metric units for liquid and air—all with a 10:1 turndown ratio. These flowmeters have been designed to maintain maximum pressures to 100 psig and temperatures to 150°F.

Materials of Construction

Flow tube	Polycarbonate
Fittings	Stainless steel
O-rings	Viton®
Frame	Polycarbonate



Specifications

Media type: noncaustic liquids and air	Turndown ratio: 10:1	Connections: 1/8" NPT(F)
Accuracy: ±4% full-scale	Maximum pressure: 100 psig	Dimensions Fitting-to-fitting: 3" (7.6 cm) Height: 4 1/16" (12.2 cm)
Repeatability: ±1% full-scale	Operating temperature: 32 to 150°F (0 to 65°C)	

Flow range	Float [†]	Flowmeters without valve		Flowmeters with valve	
		Catalog number	Price	Catalog number	Price
For liquids; English units					
0.2 to 2.5 GPH	WC	R-32900-02		R-32900-28	
1 to 10 GPH	BG	R-32900-04		R-32900-30	
4 to 40 GPH	SS	R-32900-06		R-32900-32	
For liquids; metric units					
5 to 110 ccm	BG	R-32900-08		R-32900-34	
20 to 300 ccm	SS	R-32900-10		R-32900-36	
For air; English units					
0.2 to 2.5 scfh	SS	R-32900-12		R-32900-38	
1 to 11 scfh	BG	R-32900-14		R-32900-40	
4 to 60 scfh	BG	R-32900-16		R-32900-42	
For air; metric units					
0.1 to 1.2 LPM	SS	R-32900-18		R-32900-44	
0.4 to 5 LPM	BG	R-32900-20		R-32900-46	
1 to 10 LPM	SS	R-32900-22		R-32900-48	
4 to 50 LPM	SS	R-32900-24		R-32900-52	
10 to 100 LPM	TC	R-32900-26		R-32900-54	

[†]Float material key: WC = white ceramic, BG = black glass, SS = stainless steel, TC = tungsten carbide