

Oxygen and Medical Air Pressure Compensated Flowmeters (ANSI)

NEW 7700 SERIES
MEDICAL FLOWMETERS



Oxygen



Twin



Medical Air

Available with "Second Look" clear nut and nipple as shown



"Second Look" Connector
(For Enhanced Safety)

DESCRIPTION AND APPLICATION

The Pressure Compensated Flowmeter is designed to meet strict standards of durability and precision. The base is constructed of solid brass and full body gas specific colored labeling*.

Flowmeters are available with a wide variety of options including DISS power outlets and twin flowmeter configurations. They are also available with an optional plastic DISS tubing nipple and a multitude of wall adapters.

0-15 LPM Oxygen and Medical Air Flowmeters

- Provides accurate gas flow measurement and control within a range of 0.5-15 LPM
- For use in a variety of respiratory therapy clinical applications
- Flush setting delivers a minimum of 50 LPM
- Supply pressure of 50 psi

LoFlo 3.5 LPM Oxygen Flowmeter

- Provides highly accurate gas flow measurement and control within a range of 0.125-3.5 LPM
- For use in low flow applications
- Flush setting delivers a maximum of 45 LPM
- Supply pressure of 50 psi

Neonatal and Pediatric 0-200 CCM & 0-1 LPM Flowmeter

- Provides highly accurate gas flow measurement and control within a range of 25-200 CCM (200 CCM model) & 0.1-1 LPM (0-1 LPM model)
- Neonatal and Pediatric identification (stork label)
- For use in Neonatal, Pediatric, and other low flow applications
- Flush setting delivers a maximum of 500 CCM (200 CCM model) & 2.5 LPM (0-1 LPM model)
- Supply pressure of 50 psi
- High precision glass ball ensures maximum readability

Lo-High Duplex Oxygen Flowmeters

- Consists of a "Y" adapter** with a LoFlo 3.5 flowmeter on the left branch and a 0-15 LPM flowmeter on the right branch
- Configuration allows the clinician better versatility based on clinical demand.

Twin Oxygen Flowmeters

- Consists of two Pressure Compensated Flowmeters mounted onto a "Y" adapter
- Provides maximum flow efficiency
- Features compact design yet can accommodate double humidifiers and nebulizers when necessary

FEATURES AND BENEFITS

Durable

- Impact resistant flow tube and shroud
- Solid brass body with full body gas specific colored labeling*.
- D-Shape knob prevents striping

Precise

- Pressure compensated, accurate flow readings
- Flow tubes individually tested for accuracy
- High precision glass ball ensures maximum readability (0-1 LPM, 0-200 CCM)

Safety features

- White background improves visibility
- Knob and needle valve have a stop to prevent entire component from unscrewing completely
- Color coded to help prevent cross connections

Easy to maintain

- 5 Year Warranty
(1 year on the 0-1 LPM & 0-200 CCM Flowmeter)

Optional

- "Second Look" Connector (clear) available on all configurations.
- Traditional color coded connectors available on all configurations

(*excluding Neonatal and Pediatric models)

SPECIFICATIONS

Calibration Pressure and Temperature

- 50 psig (320 kPa) and 70°F (21°C) as specified on the flow tube label

Maximum Pressure

- 100 psig (690 kPa)

Power Outlet Flow Rate (Power Outlet Models Only)

- Minimum 150 LPM with adequate supply flow

Gas	Scale	Increments	Accuracy Averages	Max. Flood/Flush
Oxygen	0-200 CCM	25 CCM (starts at 25 CCM)	+/- 20 CCM	500 CCM
Oxygen	0-1 LPM	0.1 LPM (starts at 0.1 LPM)	+/- 0.1 LPM	2.5 LPM
Oxygen	0-3.5 LPM LoFlo	0.125 LPM (from 0.125 to 1 LPM) 0.25 LPM (from 1 to 3.5 LPM)	+/- 0.125 LPM or +/- 10% of reading (whichever is greater)	45 LPM

Gas	Scale	Increments	Accuracy Averages	Min. Flood/Flush
Oxygen / Medical Air	0-15 LPM	0.5 LPM (from 0.5 to 5 LPM) 1 LPM (from 5 to 15 LPM)	+/- 0.5 LPM or +/- 10% of reading (whichever is greater)	50 LPM

*Specifications are nominal, subject to change without notice.

SHIPPING INFORMATION

	Flowmeter 0-15 & 0-3.5 LPM	Flowmeter 0-1 LPM	Flowmeter 0-200 CCM	Twin Flowmeter
Weight** **Less fittings and adapters	5.6oz	5.6oz	5.6oz	16oz
Dimensions	Height: 5.5in (139mm) Width: 1.1in (28mm) Depth: 3.4in (86mm)	Height: 5.5in (139mm) Width: 1.1in (28mm) Depth: 3.4in (86mm)	Height: 5.5in (139mm) Width: 1.1in (28mm) Depth: 3.4in (86mm)	Height: 5.5in (139mm) Width: 6in (152mm) Depth: 3.5in (89mm)
Package Dimensions	Height: 8in (203mm) Width: 4.5in (114mm) Depth: 3in (76mm)	Height: 8in (203mm) Width: 4.5in (114mm) Depth: 3in (76mm)	Height: 8in (203mm) Width: 4.5in (114mm) Depth: 3in (76mm)	Height: 6.5in (165mm) Width: 10.25in (260mm) Depth: 7.75in (197mm)

Parts Configuration

		77XX - XXXX - 9XX		Clear Tubing Nipple Nut & Gland	31
				Tubing Nipple Nut & Gland	21
				DISS Fitting	07
		<u>Flowmeters (Oxygen)</u>			
		200 CCM O ₂ with DISS fitting			
		1316			
		0-1 LPM with O ₂ DISS fitting			
		1309			
		LoFlo 3.5 with O ₂ DISS fitting			
		1305			
		0-15 LPM O ₂ with O ₂ DISS fitting			
		1260			
		0-1 LPM with O ₂ DISS fitting and O ₂ power outlet			
		1310			
		LoFlo 3.5 with O ₂ DISS fitting and O ₂ power outlet 1306			
		1261			
		0-15 LPM O ₂ with O ₂ DISS fitting and O ₂ power outlet			
		1261			
		<u>Twin Flowmeters (Oxygen)</u>			
		0-1 LPM Twin with O ₂ DISS fitting			
		1311			
		LoFlo 3.5 Twin with O ₂ DISS fitting			
		1307			
		0-15 LPM O ₂ Twin with O ₂ DISS fitting			
		1262			
		0-1 LPM Twin with O ₂ DISS fitting and O ₂ power outlet			
		1314			
		LoFlo 3.5 with O ₂ DISS fitting and O ₂ power outlet			
		1308			
		0-15 LPM Twin with O ₂ DISS fitting and O ₂ power outlet			
		1263			
		<u>Flowmeters (Medical Air)</u>			
		0-15 LPM Air with O ₂ DISS fitting			
		1264			
		0-15 LPM Air with O ₂ DISS fitting and Air power outlet			
		1266			
		<u>Lo-High Duplex (Oxygen)</u>			
		LoFlo 3.5 & 0-15 LPM			
		1502			
		LoFlo 3.5 & 0-15 LPM with O ₂ power outlet			
		1503			

<u>Adapter</u>	
No Adapter with 1/8" NPT Female	00
Diamond	01
DISS Hand-I-Twist (HIT)	02
DISS Nut & Gland	03
Schrader®	04
Chemetron® Rectangle Striker (NCG) (AIR)	05
Chemetron® Round Striker (NCG) (OXYGEN)	06
Puritan Bennett®	07
O.E.S. Twist	08
O.E.S. Med Star®	09
DISS Male	14

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