

# Oxygen and Medical Air Pressure Compensated Flowmeters (ISO)



Oxygen



Twin



Medical Air



Available "Second Look" Connector - for enhanced safety (as shown)

## DESCRIPTION AND APPLICATION

The Pressure Compensated Flowmeter is designed to meet strict standards of durability and precision. The base is constructed of solid chromed brass.

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 0-15 LPM
- For use in a variety of respiratory therapy clinical applications
- Flush setting delivers a minimum of 50 LPM
- Supply pressure of 50 psi (0-15 LPM Oxygen is also available in 60 psi supply pressure)

### 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 (also available in 60 psi supply pressure)

### 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 clear readability

### Twin Oxygen Flowmeters

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

## 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.

## FEATURES AND BENEFITS

### Durable

- Impact resistant flow tube and shroud
- Solid brass body
- D-Shape knob helps prevent striping

### Precise

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

### Safety features

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

### Optional

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

## SPECIFICATIONS\*

### Calibration Pressure and Temperature

- 50 psig (320 kPa) and 70°F (21°C) as specified on the flow tube label
- 60 psig (414 kPa) and 70°F (21°C) as specified on the flow tube label (*models: 1109 & 1280*)

### Maximum Pressure

100 psig (690 kPa)

### Power Outlet Flow Rate (Power Outlet Models Only)

- Minimum 150 LPM with adequate supply flow

Gas	Scale	Increments	Flow Specifications	Max. Flood/Flush
Oxygen	<b>0-200 CCM</b>	25 CCM (starts at 25 CCM)	+/- 20 CCM	500 CCM
Oxygen	<b>0-1 LPM</b>	0.1 LPM (starts at 0.1 LPM)	+/- 0.1 LPM	2.5 LPM
Oxygen	<b>0-3.5 LPM</b> 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	Flow Specifications	Min. Flood/Flush
Oxygen / Medical Air	<b>0-15 LPM</b>	0.5 LPM (from 1 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
<b>Weight**</b> **Less fittings and adapters	5.6 oz (159 g)	5.6 oz (159 g)	5.6 oz (159 g)	16 oz (454 g)
<b>Dimensions</b>	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)
<b>Package Dimensions</b>	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

<b>Adapter</b>	
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
BSB Female	15
BOC	31
DIN	32
AFNOR	33
AGA	34

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Clear Tubing Nipple Nut & Gland	31
Tubing Nipple Nut & Gland	21
DISS Fitting	07

#### Flowmeters (60 PSI Options):

<b>Flowmeters (Oxygen)</b>	
0-15 LPM O <sub>2</sub> with O <sub>2</sub> DISS fitting	1280
LoFlo 3.5 with O <sub>2</sub> DISS fitting	1109
<b>Flowmeters (Medical Air)</b>	
0-15 LPM Air with O <sub>2</sub> DISS fitting	1286
<b>Twin Flowmeter (Oxygen)</b>	
0-15 LPM with O <sub>2</sub> DISS fitting	1292
<b>Lo-High Duplex (Oxygen)</b>	
LoFlo 3.5 & 0-15 LPM	1501

#### Flowmeters (50 PSI Options):

<b>Flowmeters (Oxygen)</b>	
0-15 LPM O <sub>2</sub> with O <sub>2</sub> DISS fitting	1284
LoFlo 3.5 with O <sub>2</sub> DISS fitting	1319
0-1 LPM with O <sub>2</sub> DISS fitting	1315
0-200 CCM with O <sub>2</sub> DISS fitting	1318
<b>Flowmeters (Medical Air)</b>	
0-15 LPM Air with O <sub>2</sub> DISS fitting	1290



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**Ohio Medical LLC**

1111 Lakeside Drive  
Gurnee, IL 60031 USA

866.549.6446 | ohio-medical.com  
255458-UK (Rev. 7) 04/2018