

Oxygen and Air Pressure Compensated Flowmeters



Flowmeter 1-15 L/min



Lo-Flo 3.5 Flowmeter



Single



Twin

DESCRIPTION AND APPLICATION

The Pressure Compensated Flowmeter is designed to meet strict standards of durability and precision. The base is constructed of solid aluminum and finished in a clear anodized plating. The flow control valve consists of a precision needle valve threaded into a brass seat. This provides extended resistance to wear and corrosion. The flowtube and shroud are made of clear polycarbonate and have a lifetime warranty.

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.

1-15 L/min Oxygen and Air Flowmeters

- Provides accurate gas flow measurement and control within a range of 1-15 L/min
- For use in a variety of respiratory therapy clinical applications
- Features large easy to read increments with an expanded 1-5 L/min range for improved readability at low flows
- Dual taper and rear surface textured to enhance readability
- Flush setting delivers a minimum of 65 L/min
- Supply pressure of 50 psi

Lo-Flo 3.5[®] Oxygen Flowmeter

- Provides highly accurate gas flow measurement and control within a range of 0.25-3.5 L/min
- For use in pediatric, neonatal, and other low flow applications.
- Maximum flow limited to 5 L/min
- Dual taper and rear surface textured to enhance readability
- Accurate to $\pm 1/8$ L/min through entire range
- Color coded to differentiate from 1-15 L/min flowmeters
- Supply pressure of 50 psi

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.

Lo-High Duplex Oxygen Flowmeters

- Consists of a "Y" adapter** with a LoFlow 3.5 flowmeter on the left branch and a 1-15 L/min flowmeter on the right branch
- Configuration allows the clinician better versatility based on clinical demand.

FEATURES AND BENEFITS

Durable

- Impact resistant flowtube and shroud
- Solid aluminum body with clear anodized plating
- DISS outlet thread with protection rim

Precise

- Pressure compensated, accurate flow readings
- Flowtubes individually tested for accuracy
- High precision glass ball ensures maximum repeatability
- Double scale eliminates optical distortion

Safety features

- Shroud locks onto the base with inlet adapter; prevents loosening, leaks, and possibility of ejecting shroud when pressurized
- Knob and needle valve have a stop to prevent entire component from unscrewing completely
- Color coded to help prevent cross connections

Easy to maintain

- Lifetime warranty on flowtube and shroud
- Complete needle valve assembly kits available
- Discounted replacement parts kits available

SPECIFICATIONS*

Calibration Pressure and Temperature

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

Maximum Pressure

100 psig (690 kPa)

0-15 L/min	Lo-Flo 3.5
Increments 1/2 L/min increments from 1 to 5 1 L/min increments from 5 to 15 L/min	1/8 L/min increments from 1/4 to 1, 1/4 L/min increments from 1 to 3.5 L/min
Accuracy (At calibrated pressure and temperature in a vertical orientation) ± 1/4 L/min at 1 L/min ± 10% of reading at 3.5, 10, and 15 L/min	±1/8 L/min between 1/4 and 3.5
Minimum "Flush" Flow Rate 65 L/min 3.5 L/min with adequate supply	
Maximum Flow Rate greater than 65 L/min with adequate supply	< 5 L/min
Power Outlet Flow Rate (Power Outlet Models Only) Minimum 150 L/min with adequate supply flow	Minimum 150 L/min with adequate supply flow

* Specifications are nominal, subject to change without notice.

PURCHASING SPECIFICATIONS

The Pressure Compensated Flowmeter provides accurate gas flow measurement and control of oxygen and air. Each flowmeter is individually tested for accuracy. The shroud locks onto the base for safety. 1-15 L/min Flowmeter has dual-tapered flowtube, a double scale with large easy-to-read increments, an expanded 1-5 L/min range and a flush setting. Lo-Flo 3.5 has a double scale with large easy to read increments, maximum flow limited to 5 L/min, increments calibrated to ±1/8 L/min. Flowmeters are calibrated at 50 psi and are available with a variety of wall outlet adapters, a power outlet adapter or with a Twin Flowmeter adapter. Single flowmeters are supplied with a one inch extension on the inlet for clearance between the flowmeter and the adapter. Flowtube and shroud are made of polycarbonate and have a lifetime warranty; all other parts have a three year warranty.

SHIPPING INFORMATION

	Flowmeter (1-15 & 0.25-3.5 L/min)	Twin Flowmeter
Weight**	4 oz. (0.11 kg)	11 oz (0.31 Kg)
Dimensions	Height: 6.0 in (152 mm) Width: 2.2 in (56 mm) Depth: 2.3 in (58 mm)	6.0 in (152 mm) 5.1 in (130 mm) 3.6 in (91 mm)
Package Dimensions	Height: 8.0 in (203 mm) Width: 3.0 in (76 mm) Depth: 4.3 in (109 mm)	10.5 in (267 mm) 7.8 in (198 mm) 6.5 in (165 mm)

Warranty

Lifetime warranty on flowtube and shroud components; ten years on entire flowmeter and other components.

** Less fittings and adapters

Parts Configuration

67 XX - XXXX - 9 XX

Tubing Nipple Nut & Gland	21
DISS Fitting	07

Adapter	
No Adapter with 1/8" NPT Female	00
Ohio 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

Flowmeters (Oxygen)	
1-15 L/min O2 with O2 DISS fitting	1260
LoFlow 3.56 with O2 EDISS fitting	1305
1-15 L/min O2 with O2 DISS fitting and O2 DISS power outlet	1261
LoFlo 3.5 with O2 DSISS firing and O2 power outlet	1306
1-15 L/min O2 Twin with O2 DISS fitting	1262
LoFlo 3.5 Twin with O2 DISS fitting	1307
1-15 L/min Twin with O2 DISS fitting and O2 DISS power outlet	1263
LoFlo 3.5 with O2 DISS fitting and O2 power outlet	1308

Flowmeters (Air)	
1-15 L/min Air with O2 DISS fitting	1264
1-15 L/min Air with O2 DISS fitting and Air power outlet	1266
1-15 L/min Air with Air DISS fitting	1267
1-15 L/min Air with Air DISS fitting and power outlet	1268
Lo-High Duplex	
LoFlo 3.5 & 1-15 L/min	1502
LoFlo 3.5 & 1-15 L/min with Auxiliary O2 DISS outlet	1503

TRUSTED BRANDS OF OHIO MEDICAL™



Ohio Medical Corporation
1111 Lakeside Drive - Gurnee, IL 60031-4099 USA
TollFree: 866-549-6446 - Fax: 847-855-6218
www.ohiomedical.com
Form No. SOT106 (Rev.6) 02/2008