

Pressure Compensated Flowmeters (Oxygen and Air)



Flowmeter 1-15 L/min



Lo-Flo 3.5 Flowmeter



Single



Twin**

DESCRIPTION AND APPLICATION

The Ohio Medical® 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.

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 LoFlo 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

- Complete needle valve assembly kits available

**Y-Adapter subject to change

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
with adequate supply

3.5 L/min

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.

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)

** Less fittings and adapters

Parts Configuration

67XX - XXXX - 9XX

Adapter

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

Tubing Nipple Nut & Gland	21
DISS Fitting	07

Flowmeters (Oxygen)

1-15 L/min O ₂ with O ₂ DISS fitting	1260
LoFlo 3.56 with O ₂ EDISS fitting	1305
1-15 L/min O ₂ with O ₂ DISS fitting and O ₂ DISS power outlet	1261
LoFlo 3.5 with O ₂ DSISS firing and O ₂ power outlet	1306
1-15 L/min O ₂ Twin with O ₂ DISS fitting	1262
LoFlo 3.5 Twin with O ₂ DISS fitting	1307
1-15 L/min Twin with O ₂ DISS fitting and O ₂ DISS power outlet	1263
LoFlo 3.5 with O ₂ DISS fitting and O ₂ power outlet	1308

Flowmeters (Air)

1-15 L/min Air with O ₂ DISS fitting	1264
1-15 L/min Air with O ₂ 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 O ₂ DISS outlet	1503



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