

Pressure Compensated Flowmeters

(ISO) 414 kPa/60 psi

DESCRIPTION AND APPLICATION

Oxygen and Air Pressure Compensated Flowmeters

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 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 liters per minute
- 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 414 kPa/60 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/mm across entire flowtube
- Color coded to differentiate from the 1-15 L/min flowmeters
- Supply pressure of 414 kPa/60 psi

Twin Oxygen and Air 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



Flowmeter 1-15 L/min



Lo-Flo 3.5 Flowmeter



Single



Twin**

Flowmeter Options

** Y adapter subject to change

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

Specifications*

Calibration Pressure and Temperature

414 kPa/60 psi and 21°C/70°F as specified on the flowmeter label

Maximum Pressure

690 kPa (100psi)

0-15 L/min Lo-Flo 3.5

Increments

0.5 L/min increments
from 1 to 5,
1 L/min increments
from 5 to 15 L/min

1/8 L/min increments
from 0.25 to 1,
0.25 L/min increments
from 1 to 3.5 L/min

Accuracy

(At calibrated pressure
and temperature in a
vertical orientation)
± 0.25 L/min at 1 L/min
± 10% of reading at 3.5,
10, and 15 L/min

± 1/8 L/min between
0.25 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

Shipping Information

Weight**

**PC Flowmeter
(1-15 & 0.25-3.5 L/min)**

0.11 Kg (4 oz)

Twin PC Flowmeter

0.31 kg (11 oz)

Dimensions

Height: 152 mm (6.0 in)	152 mm (6.0 in)
Width: 56 mm (2.2 in)	130 mm (5.1 in)
Depth: 58 mm (2.3 in)	91 mm (3.6 in)

Package Dimensions

Height: 203 mm (8.0 in)	267 mm (10.5 in)
Width: 76 mm (3.0 in)	198 mm (7.8 in)
Depth: 109 mm (4.3 in)	165 mm (6.5 in)

* Specifications are nominal, subject to change without notice.

** Less fittings and adapters

For more information, contact your Ohio Medical Sales Specialist or authorized agent.

Parts Configuration

67XX - XXXX - 9XX

Adapter	
No Adapter with 1/8" NPT Female...	00
BSP	15
BOC	31
DIN	32
AFNOR	33
AGA	34
Australian	35
Japanese	44

Tubing Nipple Nut & Gland	21
DISS Fitting	07

Flowmeters 60 psi/414 kPa/4.2 bar	
Oxygen	
15 LPM with O ₂ DISS fitting	1280
LoFlo 3.5 with O ₂ DISS fitting	1309
15 LPM Twin with O ₂ DISS fitting	1292
LoFlo 3.5 Twin with O ₂ DISS fitting	1313
Lo-High Duplex	
3.5 LPM and 15 LPM	1501
Air	
15 LPM with O ₂ DISS fitting	1286
15 LPM Twin with Air DISS fitting	1298

Flowmeters 72.5 psi/500 kPa/5 bar	
Oxygen	
15 LPM	1400
3.5 LPM	1404
15 LPM Twin	1401
3.5 LPM Twin	1405
Lo-High Duplex	
3.5 LPM and 15 LPM	1504
Air	
15 LPM Twin	1403
15 LPM	1402



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