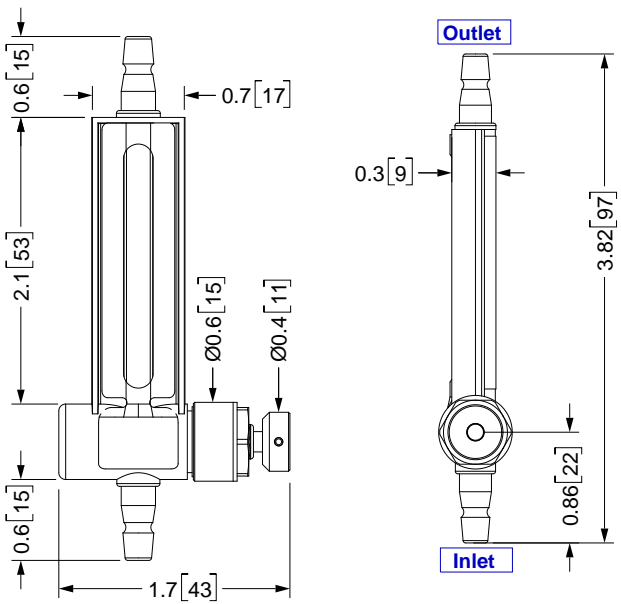


RE	ECO	Release	Drawn	REVISION HISTORY
-0	2017-031	2017-09-28	SGO	Customer Drawing



**GENERAL SPECIFICATIONS**

Material:  
 Body Polycarbonate (DIN EN ISO 7391-1)  
 Label 3M Label Material  
 Valve UNS C36000 (CDA-360) Brass  
 Knob UNS A96061 (6061) Aluminum

Weight: .65 oz [18g]

Inlet/Outlet Barbs accommodate 9/32" OD Poly Tubing

Adjustment: Multi-turn Knob

Inlet Pressure: 60 PSI (4 bar) MAX  
 Storage Temp: -50°F to +130°F [-45°C to +55°C]  
 Operating Temp: -30°F to +120°F [-34°C to +49°C]

Clean: For Oxygen Service

**Compliance**

The **MH-3** (left) and **MH-4** (right) flowmeters, when properly adjusted to the indicated cabin pressure altitude and used in accordance with the instructions, deliver a minimum mass flow of supplemental oxygen in compliance with the following regulations:

- US: FAR 14 CFR 23.1443
- AU: CAO 108.26 Amendment Order (No. 1) 2007

**Application**

The **MH-3** Flowmeter is intended exclusively for use with the OXYMIZER® oxygen-conserving cannula, and **not** a standard aviator's cannula or facemask. When used with the OXYMIZER® cannula, the MH-3 is able to provide proper tracheal PaO<sub>2</sub> at a reduced flow rate of ~ 1/3 compared to the MH-4.

The **MH-4** Flowmeter is intended primarily for use with a standard aviator's cannula or facemask. The right-hand scale is calibrated per 14 CFR 23.1443 for a baseline flow rate of ~1 liter/min/10,000 ft but is progressively augmented at higher altitudes in order to compensate for facemasks. At 25,000 feet the MH-4 provides ~ 1.25 times the specified baseline flow rate.

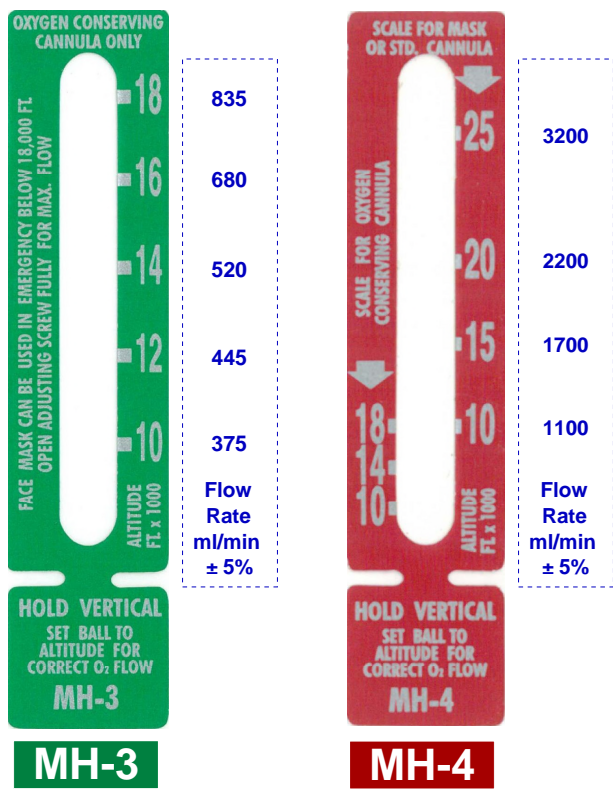
The left-hand, compressed scale of the **MH-4** Flowmeter accommodates use with the OXYMIZER® oxygen-conserving cannula, albeit with a slightly richer flow rate and less adjustment accuracy compared to the MH-3.

A

A

B

B



C

C

D

D



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:  
 0.X ±0.015 ANGLES ±3°  
 0.XX ±0.010 FRACTIONS ±1/64  
 0.XXX ±0.005

INTERPRET GD&T PER ASME 14.5

THIRD ANGLE PROJECTION	DRAWN SGO 2017-09-19
	CHECKED EAM 2017-09-28
	ENGINEER TD/PLM 2017-09-28
DO NOT SCALE DRAWING	APPROVED HBS 2017-09-28

<b>MH MOUNTAIN HIGH E&amp;S CO. REDMOND, OR. USA</b>			
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Customer Drawing, <b>MH-3 / MH-4 Flowmeters [SCD]</b>			
<b>DWG TITLE</b>		<b>DWG REV.</b>	
<b>5SF34-001-000</b>		<b>-0</b>	
DWG NUMBER	CAD FILE	INV. PART NUMBER	PROD. NAME
5SF34-001-000\$-0	5SF34-001-000\$-0	0MH34-0101-03 0MH34-0101-04	MH-3 MH-4
DWG FORMAT: ESR-002 Rev H [20]	DWG SCALE	DWG SHEET	DWG SIZE
		1 OF 1	A 8½x11