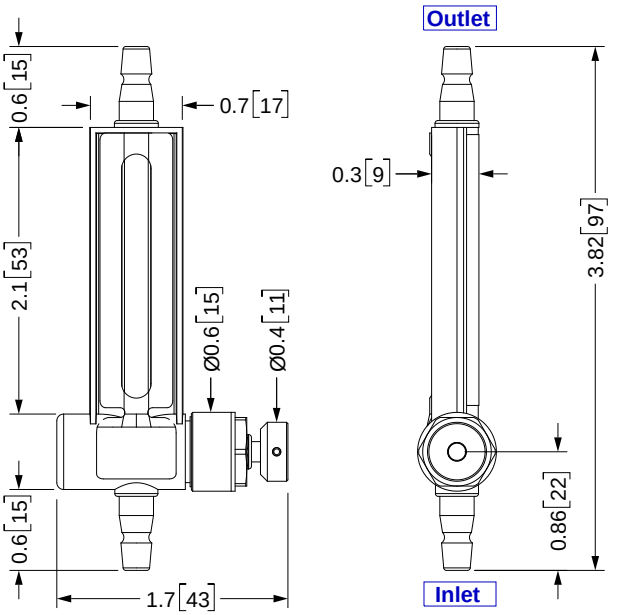
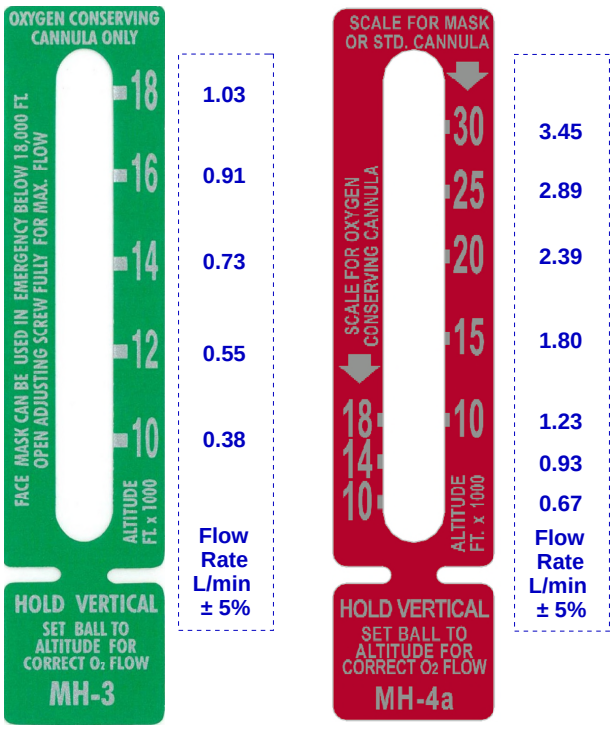
REV	ECO	Release	Drawn	REVISION HISTORY
-1	2020-028	2020-09-02	SGO	Customer Drawing





GENERAL SPECIFICATIONS

Material:

Body	Polycarbonate (DIN EN ISO 7391-1)
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: 20 PSI [1.4 bar] to 90 PSI [6.2 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]

Cleaned for Oxygen Service per MH ESR-008

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 PaO2 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 30,000 feet the MH-4 provides ~ 15% more oxygen than 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.

DO NOT use needle valve to shut off a device.
Disconnect the device from the regulated outlet.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
DIMENSIONS IN [ ] ARE MILLIMETERS (REF)
TOLERANCES ARE:
0.X ±.015 ANGLES ± 3°
0.XX ±.010 FRACTIONS ± 1/64
0.XXX ±.005
INTERPRET GD&T PER ASME 14.5
63

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

MH **MOUNTAIN HIGH E&S CO.**
REDMOND, OR. USA

DRAWN	SGO 2017-09-19	DWG TITLE	Customer Drawing, MH-3 / MH-4 Flowmeters [SCD]		
CHECKED	EAM 2017-09-28	DWG NUMBER	**5SF34-001-000**	DWG REV.	-1
ENGINEER	TD/PLM 2017-09-28	SRC FILE	5SF34-001-000$-1	INV. PART NUMBER	0MH34-0101-03 0MH34-0101-04
PROD. NAME	MH-3 MH-4				
APPROVED	HBS 2017-09-28	DWG FORMAT:	ESR-002 Rev H [26]	DWG SCALE	
DWG SHEET	1 OF 1	DWG SIZE	A 8½x11		

Insert #: 5IF34-0001-00