p/n: 00MAN-0010-00

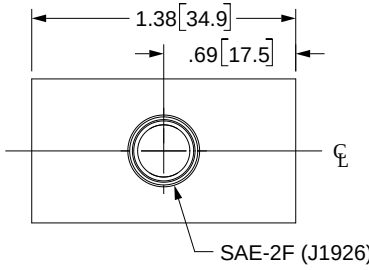
High Pressure Manifold, Tee, SAE -4F x -4F x -2F

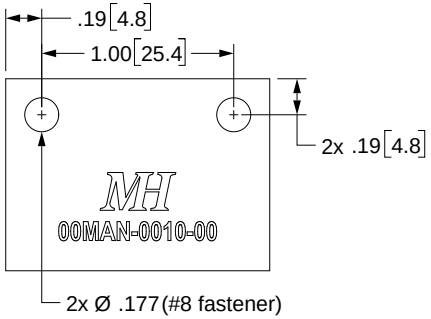
Date:

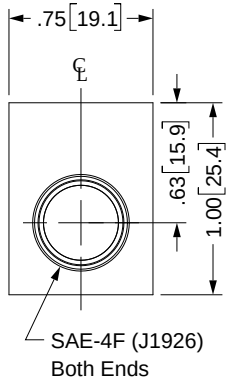
Cleaned for Oxygen Service per MH ESR-008

Aviation Oxygen Systems
MOUNTAIN HIGH
Equipment & Supply Company

REV	ECO	Release	Drawn	REVISION HISTORY
A1	2020-015	2020-06-17	SGO	Product Insert and Customer Drawing







GENERAL SPECIFICATIONS

Material:	UNS A96061 (6061-T6) Aluminum
Weight:	1.2 oz [35 g] (sans fittings and mounting hardware)
Ports:	2x SAE-4F; 1x SAE-2F (J1926)
Test Pressure Rating:	4500 PSI
Temperature Range:	-40°F to 180°F [-40°C to 82°C]

Cleaned for Oxygen Service per MH ESR-008

Compatible fittings, adapters, hoses, etc. are available from Mountain High E&S Company. For high-pressure oxygen connections, MH recommends Copper Tubing and Compression Tube Fittings. MH document # 5SHDW-0100-00 lists common High Pressure Compression Tube fittings; 5SHDW-0500-00 lists additional High Pressure Adapter fittings.

Pipe Fittings are generally not recommended for aviation oxygen systems, but MH does carry a variety of NPT fittings, adapters and manifolds that may be employed as necessary in order to adapt to existing equipment. For low-pressure connections (15-60 PSI regulated oxygen output), MH provides a selection of polyurethane tubing and convenient "One-Touch" fittings.

Contact MH Customer Service for help configuring your oxygen system.

WARNING: Improper installation can result in severe damage, personal injury or death

- *Installation should only be performed by authorized, trained service personnel.*
- *Never work on a pressurized system.*
- *Install fittings to the proper torque specification using proper tools and procedures.*
- *Cleanliness is critical. Contaminants such as oil, unapproved lubricants or cleaning agents, or metal particles, pose an **extreme safety hazard** with the potential of fire or explosion.*
- *Fittings obtained from MH have been cleaned for oxygen service and should not need to be re-cleaned so long as proper hygiene is maintained in the assembly process. Hardware obtained elsewhere (even if the same part) may therefore not be suitable for use in oxygen systems unless it is known for certain that it has been properly cleaned.*

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
DIMENSIONS IN [ ] ARE MILLIMETERS (REF)
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
63

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

DRAWN SGO 2020-06-09
CHECKED
ENGINEER
APPROVED

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

DWG TITLE: Customer Drawing, High Pressure Manifold, Tee, SAE -4F x -4F x -2F [SCD]

DWG NUMBER: **5SMAN-0010-00** DWG REV. **A1**

CAD FILE: 00MAN-0010-00$A1 | INV. PART NUMBER: 00MAN-0010-00 | PROD. NAME: 4x4x2 SAE Tee

DWG FORMAT: ESR-002 Rev H [23] | DWG SCALE | DWG SHEET 1 OF 1 | DWG SIZE A 11x8½

Insert #: 5IMAN-0010-00