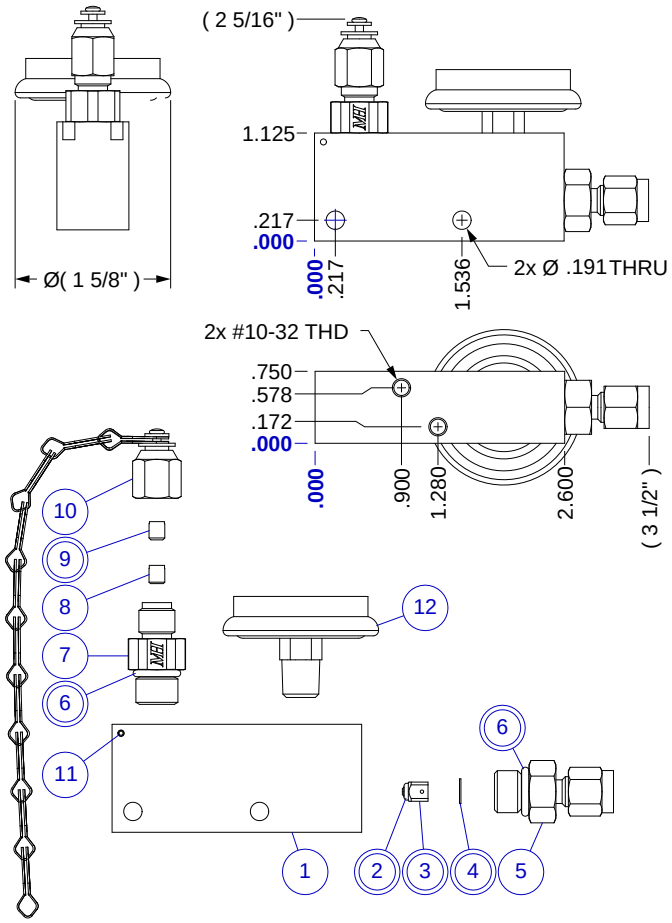
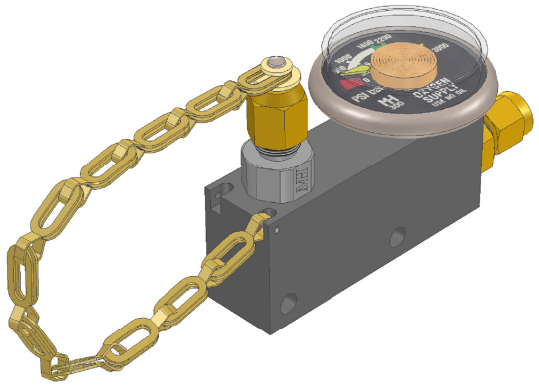
REV	ECO	Release	Drawn	REVISION HISTORY
H0	2020-011	2020-06-02	SGO	Customer Drawing



Key

1 Item #

1 Service Kit Item



GENERAL SPECIFICATIONS

Materials: UNS C36000 (CDA-360) Brass
UNS A96061 (6061-T6) Aluminum
UNS S30300 (303) Stainless Steel

Weight: 5.8 oz [165 g]
Working Pressure: 3000 PSI
Temp Range: -50°F to +130°F [-45°C to +55°C]

Service Kit: MH p/n KM100-1010-01
- Items (2)(3)(4)(6)(9) (indicated by double circle)

Cleaned for oxygen service per MH ESR-008

Installation

- Install Deluxe Fill Station per AC 43.13 Chapter 6
- THRU holes in side of Deluxe Fill Station manifold will accommodate #8 or #10 machine screws. Locate mounting holes per indicated dimensions, or match-drill.
- Threaded holes in bottom of manifold are for #10-32 fasteners. Locate mounting holes per indicated dimensions.
- MH-300 Pressure Gauge is included separately with the Deluxe Fill Station so that the gauge may be installed in the field and oriented as required. Gauge threads are 1/8-27 NPT and come pre-taped as a convenience.
- Leak-check gauge connection with snoop or equivalent
- If gauge is loosened or removed, remove old tape and re-apply new oxygen-compatible Teflon tape (e.g., MIL-SPEC T27730A) to NPT male threads prior to re-installation. Take care to maintain cleanliness of all parts of the oxygen system - failure to do so could create an ***extreme safety hazard.*** Refer to MH document # 5SHDW-0300-00 for information on cleaning/purging/installing oxygen system fittings.

REF	QTY	Description
1	1	Refill Body
2	1	O-Ring (AS-568-003)
3	1	Poppet
4	1	Retaining Ring
5	1	1/8" Tube Adapter
6	2	O-Ring (AS-568-904, SAE-4)
7	1	AN800-3 [3/8-24] Adapter
8	1	Orifice
9	1	Filter
10	1	AN800-3 Cap & Chain Assembly
11	1	Pin
12	1	MH-300 Medium Pressure Gauge

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

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THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

DRAWN SGO 2016-10-14
CHECKED
ENGINEER
APPROVED

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

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DWG TITLE: Customer Drawing
Deluxe Refill Station [SCD]

DWG NUMBER: **5IBLT-1020-00** DWG REV. **H0**

CAD FILE: 00BLT-1020-00$H0 | INV. PART NUMBER: 00BLT-1020-00 | PROD. NAME: Deluxe-Refill-Station

DWG FORMAT: ESR-002 Rev H [20] | DWG SCALE | DWG SHEET 1 OF 1 | DWG SIZE A 11x8½

Insert #: 5IBLT-1020-00