REV	ECO	Release	Drawn	REVISION HISTORY
-0	2019-051	2019-12-04	SGO	Customer Drawing - Insert

2120-0x

2121-0x

Installing the Regulator

Thread the regulator into the corresponding SAE-4F port of the RCV/RCR unit or Manifold where you wish to install the regulator and torque to **60 in-lbs.**

Connect the outlet tubing to the remainder of your oxygen system.

Open the cylinder valve ***SLOWLY*** (~ 2 turns).

Removing the Regulator

DO NOT ATTEMPT TO REMOVE REGULATOR WHILE UNDER PRESSURE

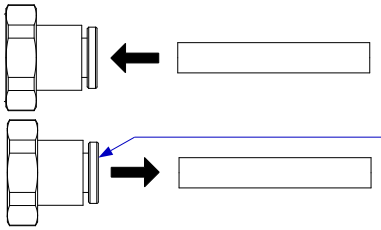
Bleed-off internal pressure first by ***closing the main cylinder valve*** and then disconnecting the outlet tubing from the regulator.

The regulator can now be removed.

GENERAL SPECIFICATIONS

Inlet Pressure Rating:	3000 PSI MAX
Regulated Outlet:	16 ± 2 PSI (Dynamic) (NOM 1 Bar) 20 ± 2 PSI (Static)
Average Flow Rate:	40 L/min (AVG)
See also:	MH document 5SREG-21xx-xx

OUTLET TUBING CONNECTION - 4mm/6mm Push-To-Connect Fittings



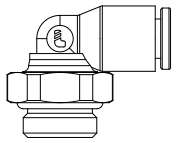
INSERTING
Push in the tubing

REMOVING
1. Push in the connector collar
2. Pull the tube straight back while holding the collar in

To INSERT TUBING: Push the tubing into the connector until resistance is felt, **then push a little further, about 1/8 inch [3 mm].** Gently tug on the tubing to make sure it is captured.

To REMOVE TUBING: Push the tubing in slightly, then push in the connector collar while pulling gently on the tubing.

When removing tubing, ***DO NOT pull on the tubing without pushing in the collar,*** as this will likely damage the connector.



Note: Alternate right-angle outlet fitting provided.

- Replace installed fitting as preferred.
- Maintain cleanliness for oxygen service.
- No Teflon tape required
- Torque to 20 in-lbs.

Gauge-Port Options:

Regulator comes with (21x1-xx) or without (21x0-xx) a pressure gauge, but may be retro-fitted for other applications:

- (unused) 1/8 MNPT Plug (MH p/n 00HDW-0390-00)
- MH-300 Gauge (MH p/n 00CPG-1010-00)
- MH-400 Gauge (MH p/n 00CPG-1011-00)
- Fill-Port (MH p/n 00BLT-1008-00)
- Plumb-in Remote Gauge, Remote Fill-Port, Multiple Cylinders, etc.

Contact MH Customer Service for help with your specific requirements

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
63

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

DRAWN SGO 2019-11-14
CHECKED EAM 2019-12-04
ENGINEER TD 2019-12-04
APPROVED HBS 2019-12-04

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

DWG TITLE: Regulator Assy 2G, Single-Stage, SAE-4M x Axial Tube (XCR/EOS) [Insert]

DWG NUMBER: **5IREG-212x-0x** DWG REV. **-0**

CAD FILE: 00REG-21xx-xx$[-0]
INV. PART NUMBER: 00REG-212x-04, 00REG-212x-06
PROD. NAME:

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

Insert #: 5IREG-212x-0x