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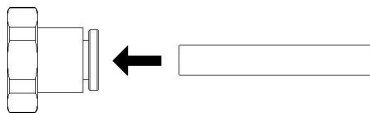
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**DO NOT ATTEMPT TO REMOVE REGULATOR FROM CYLINDER WHILE UNDER PRESSURE!**

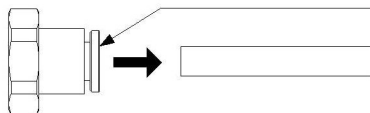
The regulator grip-nut will be difficult to turn while under pressure, and doing so will destroy the regulator inlet O-ring. Bleed-off pressure by closing the main cylinder valve and then disconnect the outlet tubing from the regulator.

**TUBING CONNECTION**



**INSERTING**

Push in the tubing



**REMOVING**

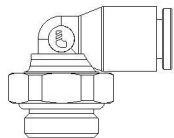
1. Push in the connector collar
2. Pull the tube straight back while holding the collar in

**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 outlet fitting provided.



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

**Gauge-Port Options:**

- Replace Gauge with 1/8 MNPT Plug (MH p/n 00HDW-0390-00) or plumb-in Remote Gauge
- Install Fill-Port (MH p/n 00BLT-1008-00) or plumb-in Remote Fill-Port
- Plumb-in multiple cylinders (remote fill, remote gauge, etc.)

Contact MH Customer Service for help with your specific requirements

REV	ECO	Release	Drawn	REVISION HISTORY
-0	2018-040	12/6/2018	SGO	Product Insert Draw ing
-1	ECO2025-012	2/11/2025	KQM	Minor Insert Revisions



**GENERAL SPECIFICATIONS**

**Material:** UNS C36000 (CDA-360) Brass  
UNS A96061 (6061-T6) Aluminum

**Inlet Pressure Rating:** 3000 PSI MAX  
**Regulated Outlet:** 16 ± 2 PSI (Dynamic) (NOM 1 Bar)  
20 ± 2 PSI (Static)

**Useable Tank Press.:** 50 PSI

**Average Flow Rate:** 40 L/min (AVG)  
**Temperature Range:** -50°F to +130°F [-45°C to +55°C]

**Inlet Fitting:** CGA-540N  
**Spare O-ring:** MH p/n 09001-0011-90 (CGA-540)

**1093-04:**

**1093-06:**

See also:

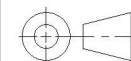
Outlet Fitting	Weight
G-1/8 BSPP x 4mm Tube	5.8 oz [165 g]
G-1/8 BSPP x 6mm Tube	5.8 oz [165 g]

MH document 5SREG-1093-xx

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
2018-11-21	
CHECKED	EAM
2018-12-04	
ENGINEER	TD
2018-12-06	
APPROVED	HBS
2018-12-06	

DWG  
TITLE

DWG  
NUMBER

DWG  
FILE

DWG FORMAT:  
ESR-002 Rev H [20]

DWG  
SCALE

DWG  
SHEET

1 OF 1

DWG  
SIZE

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

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**Regulator Assy, 2-Stage Axial,  
w/ Gauge, CGA-540N [Insert]**

**5IREG-1093-xx**

DWG  
REV. **-1**

INV. PART  
NUMBER

PROD. NAME  
XCR-CGA-2SA-1P-G-4mm EOS-CGA-2SA-1P-G-6mm

Insert #: 5IREG-1093-xx

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