

1

2

3

4

REV	ECO	Release	Drawn	REVISION HISTORY
-3	2019-008	2019-02-14	SGO	Product Insert Draw ilng
-4	ECO2025-012	2/11/2025	KQM	Minor Insert Revisions

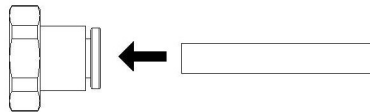
DO NOT ATTEMPT TO REMOVE REGULATOR FROM CYLINDER WHILE UNDER PRESSURE!

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.



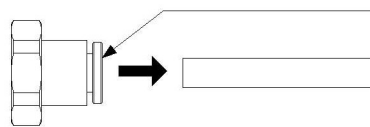
TUBING CONNECTION

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.

GENERAL SPECIFICATIONS

Materials: 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)

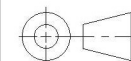
	Outlet Fitting	Weight
1092-04:	G-1/8 BSPP x 4mm Tube	3.9 oz [112 g]
1092-06:	G-1/8 BSPP x 6mm Tube	3.9 oz [112 g]

See also: MH document 5SREG-1092-0x

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
CHECKED	EAM
ENGINEER	PLM
APPROVED	HBS
	2018-09-25
	2019-02-14
	2019-02-14
	2019-02-14

DWG
TITLE

DWG
NUMBER

CAD
FILE

DWG FORMAT:
ESR-002 Rev H [20]

DWG
SCALE

INV. PART
NUMBER

PROD.
NAME

DWG
SHEET

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

THIS DOCUMENT AND ALL TECHNICAL DATA HEREON DISCLOSED ARE PROPERTY OF MOUNTAIN HIGH E&S CO. AND SHALL NOT BE USED, RELEASED OR DISCLOSED IN WHOLE OR PART WITHOUT WRITTEN PERMISSION FROM MOUNTAIN HIGH E&S CO. THIS DOCUMENT MUST BE RETURNED TO MOUNTAIN HIGH E&S CO. IMMEDIATELY UPON REQUEST.

**Regulator, 2-Stage Axial, No Gauge,
CGA-540N x Tube Outlet [Insert]**

5IREG-1092-0x

1 OF 1

DWG
SIZE

1

OF

1

DWG
REV.

-4

A

11x8 1/2

11x8 1/2

11x8 1/2

Insert #: 5IREG-1092-0x

1

2

3

D

A

B

C

D

A

B

C