

1

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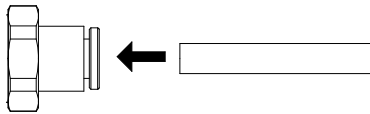
REV	ECO	Release	Drawn	REVISION HISTORY
-3	2019-008	2019-02-14	SGO	Product Insert Drawing

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.

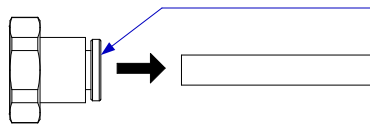


TUBING CONNECTION



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)

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 09001-0010-75 (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

A

A

B

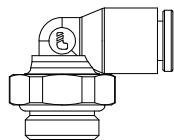
B

C

C

D

D



Note: Alternate outlet fitting provided.

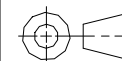
- Replace installed fitting as preferred.
- Maintain cleanliness for oxygen service.
- Torque to 20 in-lbs.
- No Teflon tape required.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
0.X ±0.015
0.XX ±0.010
0.XXX ±0.005

ANGLES ± 3°
FRACTIONS ± 1/64

INTERPRET GD&T PER ASME 14.5

THIRD ANGLE PROJECTION



DO NOT SCALE DRAWING

DRAWN SGO
2018-09-25

CHECKED

ENGINEER

APPROVED

MH

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REDMOND, OR. USA**

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DWG TITLE

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

DWG NUMBER

5IREG-1092-0x

DWG REV. **-3**

CAD FILE

00REG-1092*1096-xx-\$-3

INV. PART NUMBER

00REG-1092-04
00REG-1092-06

PROD. NAME

XCR-CGA-2SA-1P-4mm
EOS-CGA-2SA-1P-6mm

DWG FORMAT: ESR-002 Rev H [20]

DWG SCALE

DWG SHEET 1 OF 1

DWG SIZE **A**
11x8½

1

2

3

Insert #: 5IREG-1092-0x