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REV	ECO	Release	Drawn	REVISION HISTORY
A1	2019-004	2019-01-25	SGO	Product Insert Drawing

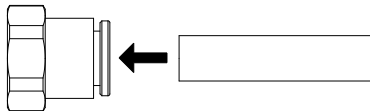
DO NOT ATTEMPT TO REMOVE REGULATOR FROM CYLINDER WHILE UNDER PRESSURE!

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.



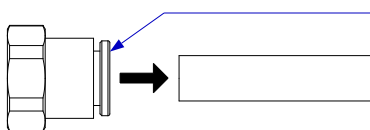
TUBING CONNECTION

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

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

Weight: 3.1 oz [88 g]

Inlet Fitting: CGA-540N
Outlet Fitting: G-1/8 BSPP x 6mm Tube

Inlet Pressure Rating: 3000 PSI MAX
Temperature Range: -50°F to +130°F [-45°C to +55°C]

Regulated Output: Avg. Static: 58-80 psi [4.0-5.5 Bar]
Avg. Dynamic: 40-65 psi [2.7-4.5 Bar]

Mass Flow Rate: Avg. Range: 120-190 L/min
[Note: MH can customize Regulator performance within the above ranges to meet particular requirements]

Replacement O-ring: MH p/n 09001-0011-90 (CGA-540)
See also: MH document 5SREG-1090-01

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

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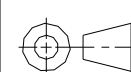
DWG TITLE HP/HF Regulator, CGA-540N x 6mm Tube, Axial [Insert]		DWG REV. A1	
DWG NUMBER 5IREG-1090-01		DWG NAME HP/HF-CGA-1P-A	
CAD FILE 00REG-1090-01\$A1	INV. PART NUMBER 00REG-1090-01	PROD. NAME HP/HF-CGA-1P-A	DWG SHEET 1 OF 1
DWG FORMAT: ESR-002 Rev H [20]	DWG SCALE	DWG SIZE 11x8½	

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

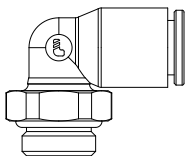
THIRD ANGLE PROJECTION
DRAWN SGO
2018-08-13



DO NOT SCALE DRAWING

Note: Alternate outlet fitting provided.

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



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Insert #: 5IREG-1090-01