HP/HF Regulator

Model 310-106H
p/n 00REG-1089-01

REV	ECO	Release	Drawn	REVISION HISTORY
-0	2022-033	2022-11-07	SGO	Customer Drawing - Insert

GENERAL SPECIFICATIONS

Inlet Pressure Rating: 3000 PSI MAX

HP/HF Output (per customer specifications):

_____ psi (Dynamic)

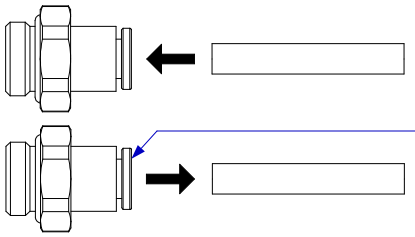
_____ psi (Static)

_____ L/min (Average Open Flow Rate)

Weight: 3.3 Oz. [94 g]
Spare O-ring: MH p/n 09001-3113-70 (DIN-477-9N)

See also: MH document 5SREG-310-xxx

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



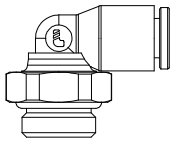
INSERTING
Push in the tubing

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.

Installing the Regulator

Seat the inlet nipple of the regulator into the corresponding outlet socket of the cylinder valve and turn the grip nut to engage the valve threads.

Complete the connection by turning the grip nut **HAND TIGHT ONLY! DO NOT *use a wrench or pliers. Over-tightening will damage the regulator.*** The integrity of the connection is provided by an o-ring seal and is not dependant on the tightness of the threaded coupling.

Connect the outlet tubing and assemble the remainder of your oxygen system (EDS unit or Flowmeter).

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

Removing the Regulator

DO NOT ATTEMPT TO REMOVE REGULATOR 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 internal pressure by first ***closing the main cylinder valve*** and then disconnecting the outlet tubing from the regulator.

The grip nut should now turn easily ***by hand*** and the regulator can be removed.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
DIMENSIONS IN [ ] ARE MILLIMETERS (REF)
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

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

DWG TITLE	MH 3G Regulator, Single-Stage, NO-Gauge, DIN-477-N x 6mm Axial Tube (HP/HF) [Insert]				
DRAWN SGO 2022-09-27	DWG NUMBER **5IREG-1089-01**				DWG REV. **-0**
CHECKED EAM 2022-11-04					
ENGINEER JB 2022-11-04	SRC FILE 00REG-310-xxx$-0	INV. PART NUMBER 00REG-1089-01	PROD. NAME		
APPROVED HBS 2022-11-07	DWG FORMAT: ESR-002 Rev H [27]	DWG SCALE	DWG SHEET 1 OF 1	DWG SIZE A 11x8½	

Insert #: 5IREG-1089-01