

Data Sheet:

Demand Flow Regulator for Sensor Pump Kit

- **2-Stage Pump**
- **Easy to Use**
- **Saves Calibration Gas**

This two state Demand Flow Regulator is a very useful tool for calibration purposes when you are using the Sensor Pump Kit or any of our Sampling units. This Regulator comes with an adapter for 221 liter cylinders (CGA 165).

The negative pressure drawn by the pump actuates the diaphragm based mechanism which releases preset (0-3 l/m) flow in a very accurate way, as the instrument needs. This saves calibration gas since the gas flows only as pulled by the pump.

A pressure regulating valve device positioned within the interior of the housing regulates the pressure of the calibrated gas entering the interior of the housing through the inlet and a demand flow valve device delivers calibration gas to the outlet of the housing upon demand by the pump in the device.

This makes the regulator simple to use. Just thread on the cylinder and slide the tubing onto the barbed fitting. With no valves to operate, just start the pump on the meter and the regulator does the rest.

Includes

- Demand Flow Regulator
- Adapter for 221 Liter Cylinder

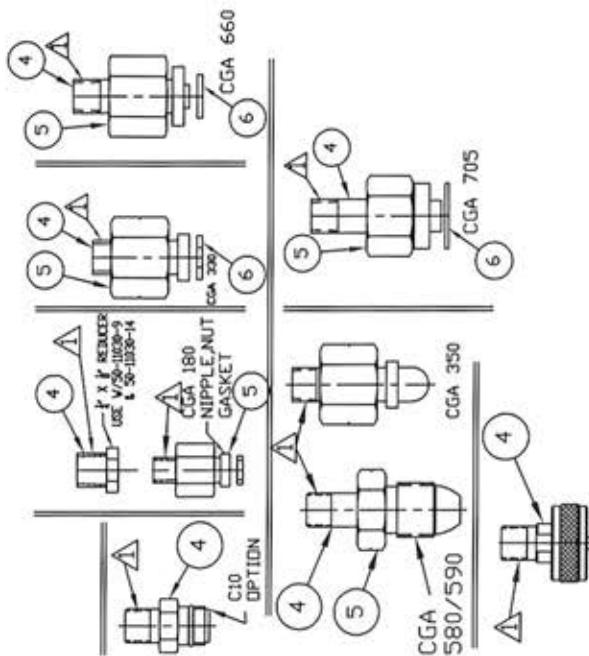


Specifications

- Body: Forged Brass Nickel Plated
- Gauge: 0-1,000 psi max
- Diaphragm: Viton
- Piston: Forged Brass
- Seats: Teflon
- Seals: Viton
- Bonnet: Aluminum Anodized
- Inlet: C10-adaptable to standard CGA connection
- No. of Stages: 2
- Outlet Flow: 0-3 l/m
- Outlet Connection: 3/16" Barb

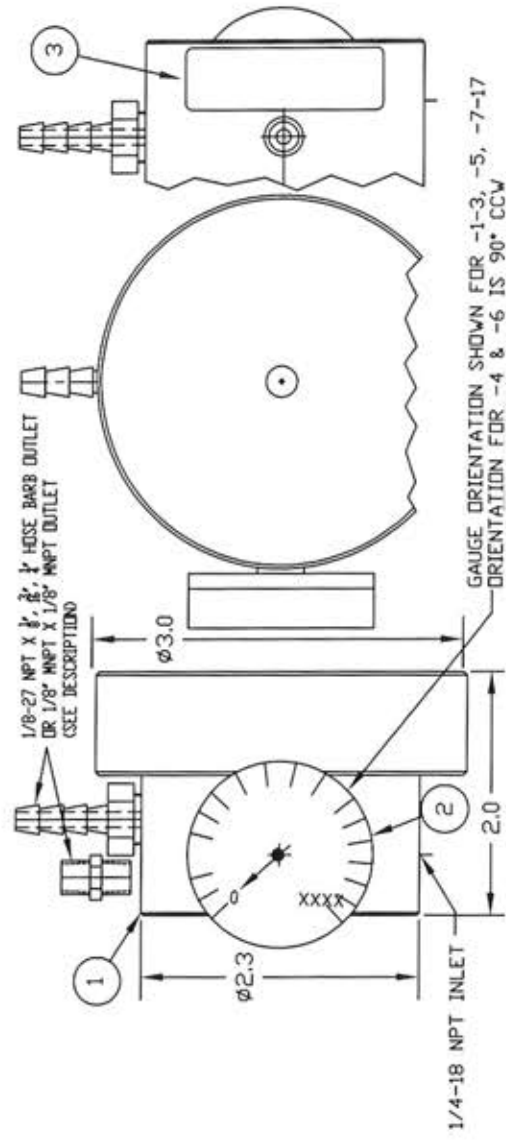
Part No. GAS-0001

REVISIONS		
REV.	DESCRIPTION	DATE APPROVED
B	ADD -15/CGA 500 OPTION	3/10/11
9	ADD -15/CGA 600 OPTION	3/28/11



MATERIALS OF CONSTRUCTION:
 BODY: BRASS/NI-PL OR ALUMINUM/CLEAR ANODIZED
 BONNET: ALUMINUM/CLEAR ANODIZED
 DIAPHRAGM: BUNA-N OR VITON
 MAIN VALVE SEAT: VITON OR EPDM AND TEFLON
 INLET: 1/4" NPT
 OUTLET: 3/16" OR 1/4" HOSE BARB (SEE DESCRIPTION)
 INLET GAUGE: 1.1/2" DIAMETER/0-3000 PSIG-SS CASE W/BRASS SOCKET
 OR SS CASE W/SS SOCKET

⚠️ -PART# INCLUDES NIPPLE, NUT, & GASKET
 ⚠️ -APPLY TEFLON TAPE TO THREADS & INSTALL ADAPTER INTO BODY BEFORE TESTING



GAUGE ORIENTATION SHOWN FOR -1-3, -5, -7-17
 ORIENTATION FOR -4 & -6 IS 90° CCW

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UNLESS OTHERWISE SPECIFIED:
 MATERIAL: ALUMINUM/CLEAR ANODIZED
 FINISH: CLEAR ANODIZED
 TOLERANCES: DIMENSIONS IN PARENTHESIS ARE HOLE DIA. TOLERANCES
 UNLESS OTHERWISE SPECIFIED

ASSEMBLY -REGULATOR
 SINGLE STAGE VACUUM BREAKER

PART # GAS-0001
 SCALE 1:1
 1 OF 1