

5690 SERIES PIPELINE REGULATORS



The 5690 Series Medium-Heavy Duty Heating and Cutting regulator provides steady pressure control and durability in general industrial pipeline applications. The rugged, forged brass construction enables high durability while the encapsulated seat design provides accurate pressure control and extended component lifecycle. Combined with a wide range of delivery pressures and mounting options for installation flexibility, the 5690 Series is an ideal choice for general industrial applications.

Typical Applications

- Oxyfuel Cutting, Heating, and Welding
- Plasma Cutting
- Heat Treatment
- Thermal Spray
- Modified Atmosphere Packaging (MAP)



806 5693-01-1 Shown

Features

- Heavy Duty Machined Brass Bonnet** ensures High durability
- Capsule® Seat Design** provides maximum reliability and high cycle life
- Medium-large Seat Displacement** supports high flow capacity

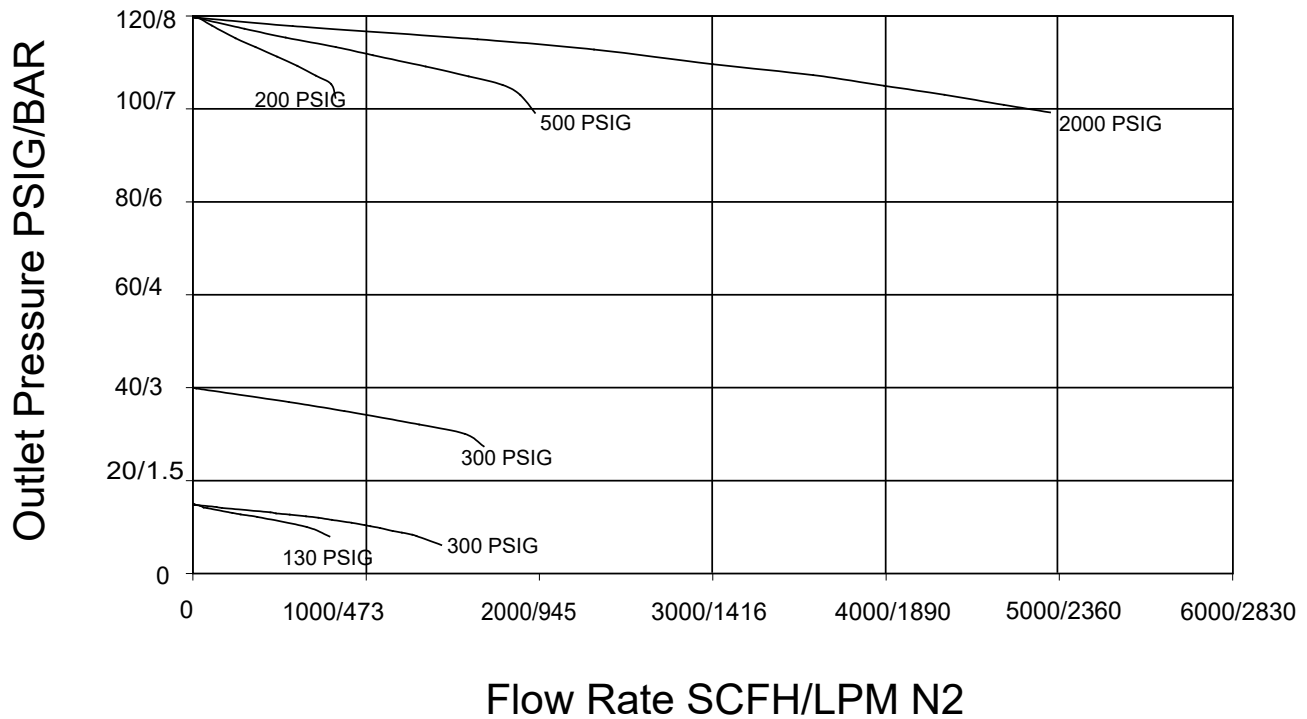
Materials and Specifications

- Body:** Forged brass
- Bonnet:** Brass barstock
- Seat:** PTFE
- Diaphragm:** Chloroprene
- Filter:** 25-micron sintered bronze
- Max Inlet Pressure:** 3000 PSIG or 400 PSIG (with acetylene)
- Temperature Range:** -40°F to 140°F (-40°C to 60°C)
- Cv:** 0.1
- Inlet Connection:** 1/4" FNPT
- Gauges:** 2" (50 mm) diameter brass
- Conformances:** Cleanliness meets or exceeds CGA G-4.1; ANSI/ASME B40.1; CRN OH5216.5R2

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Flow Curves



Ordering Information

| Part Number | Gas Service | Outlet Pressure | Outlet Gauge |
|---------------|---------------|---------------------|-------------------------------|
| 806 5690-01-1 | Acetylene | 0-15* PSIG (1 BAR) | 0-30 PSIG* (15 PSIG Red Line) |
| 806 5691-01-1 | Non-corrosive | 0-15 PSIG (1 BAR) | 0-30 PSIG |
| 806 5692-01-1 | Non-corrosive | 0-40 PSIG (3 BAR) | 0-60 PSIG |
| 806 5693-01-1 | Non-corrosive | 0-120 PSIG (8 BAR) | 0-200 PSIG |
| 806 5694-01-1 | Non-corrosive | 0-250 PSIG (17 BAR) | 0-400 PSIG |

**Acetylene should not be used over 15 PSIG*

**Acetylene model 806-5690 does not have relief valve*

Related Options

| Part Number | Description |
|-------------|-----------------|
| 830 8162 | Panel Mount Kit |