Brass Line Regulators

**Description:** This analytical series of high-purity brass, single-stage regulators is recommended for non-corrosive analytical and process applications. It is recommended to be located as close as possible to the pressure point to maintain constant pressure. This series is ideally suited for chromatographic carrier gas applications including FID, TCD, ECD, HID, and non-corrosive gas mixtures for analytical instrumentation.

The regulator body is machined from brass bar stock, allowing minimal internal volume and eliminating large cavities and pockets associated with forged-body regulators. Nickel-plating keeps it looking good for a long time.

**Specifications**

- **Maximum Rated Inlet Pressure:** 1,200 psig
- **Outlet Pressure Ranges:** 0-25, 0-50, 0-100, 0-150, 0-250 psig
- **Flow Capacity:** Cv=0.13
- **Ambient Operating Temperature:** -40° F to +165° F
- **Designed Leak Rate:** Bubble-Tight (helium)
- **Weight:** 2.4 lbs
- **Ports (3):** 1/4" FNPT
- **Inlet:** 1/4" FNPT
- **Outlet:** 1/4" FNPT
- **Decay Inlet Characteristic:** 0.23/100 psi

**Materials**

- **Body:** Nickel-Plated Brass
- **Bonnet:** Nickel-Plated Brass
- **Seat:** PTFE
- **Diaphragm:** 316 Stainless Steel
- **Gauges:** 21/2" Nickel-Plated Brass
- **Filter:** 316 Stainless Steel
- **Valve Stem:** 316 Stainless Steel
- **Valve Spring:** 316 Stainless Steel
- **Trim:** Nickel-Plated Brass

**Available Options**

- **Y99-26160**: 1/4" MNPT x 1/4" Compression
- **Y99-26180**: 1/4" MNPT x 1/4" Compression
- **Y15-418984**: Wall Mount Bracket
FLOW CHART # 7

CV=.13

FREE FLOW AIR (SCFM)

OUTLET PRESSURE (PSI)

400 PSI IN

250 PSI IN

specialty gas equipment