

AMERICAN METER COMPANY 1800B2 & B2-HC

Service Regulators

Brief information

Application: The 1800B2 Series pressure regulators are designed to control natural gas, air, nitrogen, carbon dioxide, propane vapor, and other non-corrosive gases in residential, light commercial, and small industrial applications. The 1800B2 and B2-HC can be installed in both horizontal and vertical pipelines.

Control: A comprehensive range of springs is available, as described later. The outlet pressure can be easily and accurately adjusted by turning the spring adjustment unit located under the top cap.

Technical Data:

Inlet Pressures up to 150 PSIG

Outlet Pressures: 3.5" W.C. to 2 PSIG.

All models conform to ANSI Code B109.4-1998, and CGA Service-Type Regulator Specification CAN/CGA-6.18-M95

Vent Elbow

The regulator vent opening should face downward (6 o'clock) to minimize the chance of blockage from ice and snow. If not possible, a 3/4" NPT plastic, 90° vent elbow (part number 78041P025) and separate protective screen (part number 70400P017) may be screwed into the vent to provide the necessary protection.

Elevation Compensation.

The E.C. orifice is recommended for installations where the inlet pressure may vary over a wide range. The E.C. orifice is available in two sizes: 1/8" x 3/16" and 3/16". The capacities of these orifices are the same as the standard orifice of the same size.

Full Capacity Relief Valve

Full capacity internal relief valve standard on some mode Performance Graphs on page 10)

Splashguards

UV stabilized, weather-resistant, resin device that protects the vent screen from splashes while providing a large external vent opening to keep regulators working properly.



FEATURES & BENEFITS

Main Features

- Wide range of valve body connection sizes: 3/4" x 3/4", 3/4" x 1", 3/4" x 1-1/4", 1" x 1", 1" x 1-1/4" and 1-1/4" x 1-1/4" NPT or BSP-TR
- Offset valve body: 3/4" x 3/4", 3/4" x 1" and 1" x 1" NPT or BSP-TR.
- Maximum flow rate is 2500 SCFH (70.8 m³/h).
- Temperature range: -20°F to +150°F (-30°C to 65°C).
- Threaded connections NPT to ANSI/ASME B1.20.1 or BS EN 10226 (ISO 7).
- Variety of interchangeable orifices and spring ranges
- 90 Degree (Right Angle), 180 Degree (Straight-Flow), or Offset Valve Body.

Options

- Over pressure slam shut.
- Under pressure slam shut.
- Elevation compensating orifice.
- 1/8" NPT taps are available on most valve heads.
- Vent elbow.
- Splashguard.

