

## Industrial Service Regulators: Models 243-12, 243-8, and 243-8HP



### 243

Max. Inlet Pressure = 125 PSI  
 Max. Outlet Pressure 243-8 = 4 1/2 PSI  
 Max. Outlet Pressure 243-12 = 3 PSI  
 Max. Outlet Pressure 243-8HP = 10 PSI  
 Max. Capacity 243-8 = 20,000 SCFH  
 Max. Capacity 243-12 = 27,000 SCFH  
 Max. Capacity 243-8HP = 24,000 SCFH

### Overview

Equimeter's large capacity industrial service regulators are designed and built for commercial, industrial, and gas distribution use. As a result of the union connection between the fully interchangeable bodies and the diaphragm case, they have remarkable field versatility. They are easy to install, adjust, inspect, and service in all piping arrangements.

### Applications

Equimeter's family of large capacity industrial service regulators can be used in a variety of applications such as: factories, foundries, district regulator stations, commercial laundries, hotels, motels, bakeries, schools, hospital, churches, etc. They are designed for use on all types of gas fueled equipment including boilers, burners, furnaces, ovens, heaters, kilns, engines, air conditioners, etc. Although mainly used with natural gas, they perform as well when used with LPG vapor, air, dry CO<sub>2</sub>, nitrogen, and other inert gases. Please contact your Equimeter representative for information on special construction which may be available for certain corrosive gases.

Operating temperatures range from -20° F to 150° F. Equimeter 243 regulators are not recommended for buried service.

## Dimensions and Specifications

| Regulator Model |      | Max. Working Pressure (PSI) | Max. Capacity (SCFH) | Dimensions (in.)               |                                    |                                 |      |       |      | Shipping** Weight (lbs.) |
|-----------------|------|-----------------------------|----------------------|--------------------------------|------------------------------------|---------------------------------|------|-------|------|--------------------------|
|                 |      |                             |                      | Height                         |                                    | Width                           |      | Depth |      |                          |
|                 |      |                             |                      | Min.                           | Max.                               | Min.                            | Max. | Min.  | Max. |                          |
| 243-12-         | 1, 2 | 125                         | 27,000               | 15 <sup>7</sup> / <sub>8</sub> | 16 <sup>11</sup> / <sub>16</sub> * | 10 <sup>3</sup> / <sub>16</sub> | 14   | *     | *    | 27                       |
| 243-8-          | 1, 2 | 125                         | 20,000               | 12 <sup>5</sup> / <sub>8</sub> | 16 <sup>11</sup> / <sub>16</sub> * | 10 <sup>3</sup> / <sub>16</sub> | 14   | *     | *    | 25                       |
| 243-8HP         |      | 125                         | 24,000               | 15 <sup>5</sup> / <sub>8</sub> | 16 <sup>11</sup> / <sub>16</sub> * | 10 <sup>3</sup> / <sub>16</sub> | 14   | *     | *    | 29                       |

\* Dimensions are affected by mounting position, flanged or screwed connections, diaphragm case size, and whether or not the unit is HP or standard

\*\* Add 9 lbs. for flanges on 2" body.

## Variations

- Variable mounting positions
- Standard Regulator (243-12-1 & 243-8-1)
- Regulator with internal relief valve (243-12-2 & 243-8-2)
- Standard regulator with low pressure cut-off (243-12-4 & 243-8-4)
- Regulator with internal relief valve and low pressure cut-off (243-12-6 & 243-8-6)
- High pressure model (243-8HP)
- Vacuum breaker model
- Monitoring and / or external control line
- Back pressure or relief valve
- Vacuum breaker model
- Pressure loaded model (243-8PL)
- Pilot operated model (243-RPC)
- Duplex overpressure tandem model (243-DOT)
- Orifice sizes: .207, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4" at 10° and 3/4, 1, & 1 1/4" at 30°

- Pipe sizes: 1 1/4, 1 1/2, 2" screwed or 2" flanged construction
- 12 springs available to provide a variety of outlet pressure ranges

#### **Where To Find Additional Information**

- See Equimeter bulletin R-1306 for more detailed information for 243 regulators.
- See Equimeter bulletin RM-1306 for installation and operating instructions for 243 regulators.
- See Equimeter bulletin RP-1306 for a detailed product breakdown and part numbers.
- See Equimeter bulletin RDS-1306-1 for more detailed information on the low pressure cut-off.
- See Equimeter bulletin RDS-1306-2 for more detailed information on package monitor sets (duplex overpressure tandem).

