

## Type R232E Integral Two psig Service Regulator

### Introduction

The Type R232E is an Underwriters Laboratories (UL®) listed regulator designed for LP-Gas systems. The unit is designed to reduce the tank pressure to an outlet pressure of 2 psig / 0.14 bar through an integral two psig service system. Designed for installations with small domestic loads. The units compact size makes it ideal for tight fit applications. The first-stage screened drip-lip vent is oriented downward and the second-stage vent is oriented over the outlet as standard.

### Features

- **20 Year Recommended Replacement Life** – The Type R232E is designed using rugged time proven design concepts and constructed of corrosion resistant materials, both internally and externally. With proper installation and periodic inspection and maintenance the Type R232E regulator will meet a 20 Year Recommended Replacement Life.
- **Dual Gauge Taps** – Built-in 1/8 inch NPT gauge taps orificed to a number 54 drill size on the intermediate and outlet side of the regulator allow for easy gas system checks.
- **Durability** – Design utilizes the same durable valve stem linkage design used in R600 Series regulators for reliable lockup performance.
- **Improved Regulation** – A large fabric-reinforced diaphragm delivers accurate and stable regulation.
- **Versatile Inlet Connections** – Inlet fitting is available in NPT and FPOL configurations.
- **Easy Installation** – The units compact size and easily accessible inlet and outlet wrench flats make installation

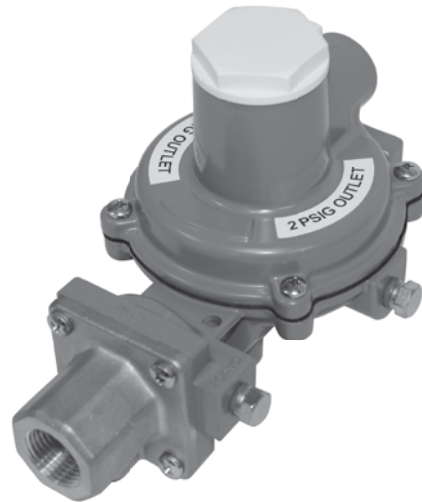


Figure 1. Type R232E Integral Two psig Service Regulator

- easy even in the tightest installations. Optional vent orientation with both vents oriented opposite gauge taps available.
- **Superior Overpressure Protection** – The combination of a high capacity relief valve and large vent provide overpressure protection that exceeds UL standards.
- **Corrosion-Resistant** – Added corrosion resistance from an internal and external coating process for all castings prior to painting, stainless steel relief valve spring and retainer and a corrosion resistant relief valve seat.
- **Positive Draining Spring Case** – When installed properly with the spring case vents pointed down, the design allows moisture formed in the spring case to drain out limiting the problems with corrosion and freezing water in the spring case.

Table 1. Selected Capacities for Type R232E Integral Two psig Regulators

| OUTLET PRESSURE SETTING, SPRING RANGE   | INLET PRESSURE |      | CAPACITY IN BTU/HR PROPANE <sup>(1)</sup> |
|---|----------------|------|---|
|   | psig           | bar  |   |
| 2.0 psig / 0.14 bar setting,<br>1 to 2.2 psig / 0.07 to 0.15 bar spring range | 25             | 1.7  | 450,000                                   |
|   | 30             | 2.0  | 500,000                                   |
|   | 100            | 6.9  | 670,000                                   |
|   | 250            | 17.2 | 860,000                                   |

1. Capacities are based on 20% droop.

# Bulletin LP-7: R232E

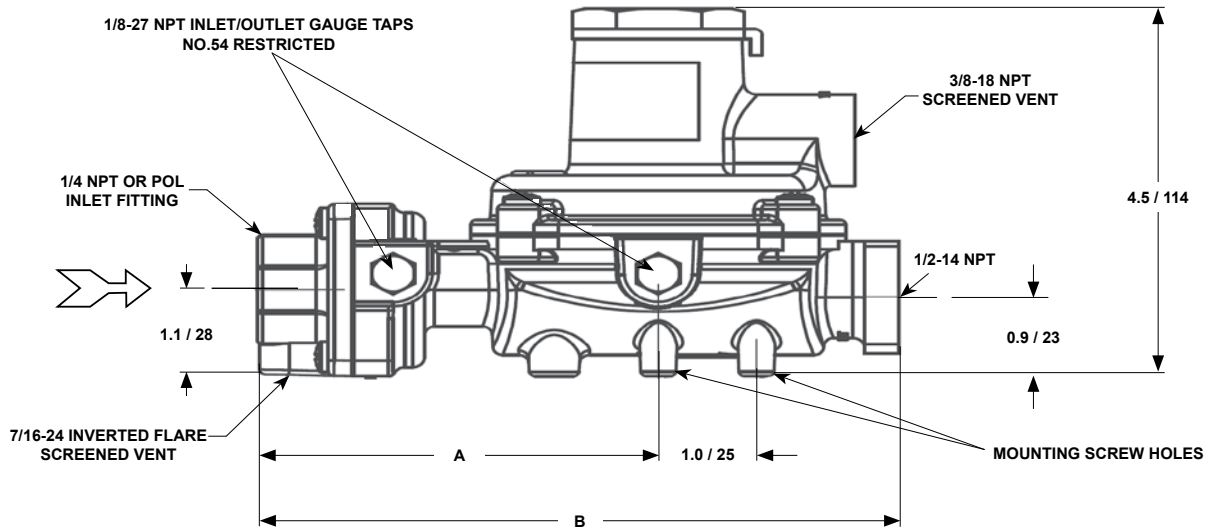


Figure 2. Type R232E Dimensions in Inches / mm

Table 2. Type R232E Dimensions

| INLET | A          | B          |
|-------|------------|------------|
| 1/4   | 4.06 / 103 | 6.51 / 165 |
| POL   | 4.60 / 117 | 7.05 / 179 |

Table 3. Ordering Information

| TYPE NUMBER | CAPACITY BTU/HR PROPANE <sup>(1)</sup> | CONNECTIONS INLET x OUTLET | OUTLET PRESSURE SETTING | OUTLET PRESSURE RANGE            |
|-------------|--|----------------------------|-------------------------|----------------------------------|
| R232E-BBH   | 500,000                                | 1/4 inch x 1/2 inch FNPT   | 2 psig / 0.14 bar       | 1 to 2.2 psig / 0.07 to 0.15 bar |
| R232E-HBH   |  | FPOL x 1/2 inch FNPT       |                         |                                  |

1. Capacity is based on 30 psig / 2.1 bar inlet pressure and 20% droop.

## LP-Gas Equipment

### Emerson Process Management Regulator Technologies, Inc.

USA - Headquarters  
 McKinney, Texas 75069-1872, USA  
 Tel: +1 800 558 5853  
 Outside U.S. +1 972 548 3574

For further information visit [www.fisherregulators.com](http://www.fisherregulators.com)

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