

R600 Series Second-Stage Regulators

FISHER

Introduction

The R600 Series second-stage regulators are Underwriters Laboratories (UL) listed designed to reduce the outlet pressure from a first-stage regulator, usually 10 psig (0,7 bar) to 11-inches w.c. (27 mbar), in domestic installations. Screened drip-lip vent has standard orientation over the inlet with other orientations available. Fisher® second-stage regulators are painted palm green for easy identification. The second-stage R600 Series regulators are equipped with stainless steel inlet screen to reduce the amount of debris entering the regulator.

End Connection Sizes and Style

See Table 1

Maximum Allowable Inlet Pressure

10 psig (0,7 bar)

Maximum Emergency Inlet Pressure

15 psig (1,0 bar)

Features

- Improved Accuracy
- Superior Relief Performance
- Corrosion-Resistant Materials
- Inlet Screen
- Test Ports for Easy System Checks
- Positive Drainage
- 20-Year Recommended Replacement Life
- UL Listed

Outlet Pressure Standard Setpoint

11-inches w.c. (27 mbar)

Outlet Pressure Ranges

See Table 2

Orifice Size

7/32-inch (5,56 mm)

Flow Coefficient

Wide-Open C_g for Relief Sizing: 38

Pressure Registration

Internal

Pressure Taps Size Restriction

1/8-inch threaded NPT:
#54 [0.055-inch (1,40 mm)]
Drill on outlet and inlet

Temperature Capabilities

-20° to 160°F (-29° to 71°C)

Approximate Weight

1.4 pounds (635 grams)

Additional Technical Data

For more technical information, contact your local LP-Gas Equipment Distributor or log on to: www.emersonprocess.com/regulators/lp



Figure 1. Type R622 Second-Stage Regulator



Figure 2. Type R642 Second-Stage Regulator



Figure 3. Type R652 Second-Stage Regulator

Table 1. Available Constructions

TYPE NUMBER	END CONNECTIONS SIZES AND STYLE	CONFIGURATION
R622	1/2 x 1/2, 1/2 x 3/4, or 3/4 x 3/4-inch FNPT	Straight-through body design (standard).
R642	3/4 x 3/4-inch FNPT	90° body design ideal for metered installations.
R652		Designed for back mount installations.