



64 SERIES

### 64 Series

High-pressure (pounds-to-pounds) regulators usually reduce tank pressure to an intermediate pressure for use by another regulator. They may be used as high-pressure regulators on distribution systems when used in conjunction with a First-Stage downstream regulator. The Type 64SR may be used for First-Stage when set at 10 psig / 0.69 bar. They are also used for Final-Stage service on high-pressure burners in crop dryers and tobacco curers, as well as other medium sized commercial/industrial applications.

The 1/4 in. FNPT side outlet, which is normally plugged, provides an opening for an outlet pressure gauge. Standard 64's Series are capable of handling liquid or vapor at temperatures under 150°F / 66°C. A cover or auxiliary vent assembly should be used to protect the 1/4 in. FNPT regulator vent opening on outdoor installations. Temperature rating for the 64 and 64SR Series has a temperature rating from -29 to 150°F / -29 to 66°C.

**64 Series** – is an adjustable high-pressure regulator with a wide range of available outlet pressure ranges. It does not contain a relief valve.

It should always be used in conjunction with a downstream regulator and/or separate relief devices in compliance with NFPA 58 overpressure protection requirements.

**Type 64SR** – is a high-pressure regulator, which has an internal relief valve. As such it may be used as a Final-Stage regulator on high-pressure systems. It may also be used as a First-Stage regulator when set at 10 psig / 0.69 bar or less.

**Note: 64 Series regulators do not have an internal relief and should be installed with additional/external overpressure protection. These units should not be installed in fixed piping serving 14 in. w.c. / 35 mbar appliance systems. Please consult with your LPG Equipment Distributor for more information.**

**Note: If the installation location makes the ignition of vented gas a possibility, then a vent line should be installed from the Type 64SR vent to a safe location.**

| High-Pressure Regulators |                            |                                     |      |        |                         |      |                         |             |                                   |
|--------------------------|----------------------------|-------------------------------------|------|--------|-------------------------|------|-------------------------|-------------|-----------------------------------|
| TYPE                     | DESCRIPTION                | CAPACITIES (PROPANE) <sup>(1)</sup> |      |        | OUTLET PRESSURE SETTING |      | OUTLET ADJUSTMENT RANGE |             | INLET AND OUTLET CONNECTIONS, in. |
|                          |                            | BTU / hr                            | SCMH | kg/hr  | psig                    | bar  | psig                    | bar         |                                   |
| 64-33                    | Basic Regulator            | 2,625,000                           | 29.6 | 51.14  | 10                      | 0.69 | 3 to 15                 | 0.21 to 1.0 | 1/2 FNPT                          |
| 64-35                    |                            | 3,600,000                           | 40.5 | 70.13  | 20                      | 1.4  | 5 to 35                 | 0.34 to 2.4 |                                   |
| 64-36                    |                            | 4,150,000                           | 46.7 | 80.84  | 40                      | 2.8  | 30 to 60                | 2.1 to 4.1  |                                   |
| 64-222                   |                            | 5,250,000                           | 59.1 | 102.27 | 50                      | 3.4  | 35 to 100               | 2.4 to 6.9  |                                   |
| 64SR-21                  | With Internal Relief Valve | 2,625,000                           | 29.6 | 51.14  | 10                      | 0.69 | 3 to 15                 | 0.21 to 1.0 |                                   |
| 64SR-22                  |                            | 3,000,000                           | 33.8 | 58.44  | 15                      | 1.0  | 5 to 20                 | 0.34 to 1.4 |                                   |
| 64SR-23                  |                            | 3,600,000                           | 40.5 | 70.13  | 20                      | 1.4  | 5 to 35                 | 0.34 to 2.4 |                                   |

1. Based on inlet pressure 20 psig / 1.4 bar greater than outlet with 20% droop; Liquid capacity = 160 GPH / 606 l/hr.