

COMMERCIAL/INDUSTRIAL HIGH-PRESSURE REGULATORS



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 -20 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) ⁽¹⁾		OUTLET PRESSURE SETTING		OUTLET ADJUSTMENT RANGE		INLET AND OUTLET CONNECTIONS, IN.
		BTU / hr	SCMH	psig	bar	psig	bar	
64-33	Basic Regulator	2,625,000	29.6	10	0.69	3 to 15	0.21 to 1.0	1/2 FNPT
64-35		3,600,000	40.5	20	1.4	5 to 35	0.34 to 2.4	
64-36		4,150,000	46.7	40	2.8	30 to 60	2.1 to 4.1	
64-222		5,250,000	59.1	50	3.4	35 to 100	2.4 to 6.9	
64SR-21	With Internal Relief Valve	2,625,000	29.6	10	0.69	3 to 15	0.21 to 1.0	
64SR-22		3,000,000	33.8	15	1.0	5 to 20	0.34 to 1.4	
64SR-23		3,600,000	40.5	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.