

# COMMERCIAL/INDUSTRIAL HIGH PRESSURE REGULATORS



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-inch 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-inch FNPT regulator vent opening on outdoor installations.

**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.

**64KB Series** – has a special diaphragm protector that makes the unit suitable for anhydrous ammonia (NH<sub>3</sub>) service. The 1/4-inch FNPT tapped and plugged side outlet can be used to install a pressure gauge (Type J542), or a hydrostatic relief valve. Removing the bottom plug permits easy access to the valve disk, without having to remove the regulator from the line.

**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: 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 NUMBER	DESCRIPTION <sup>1)</sup>	CAPACITIES IN BTU/hr (SCMH) PROPANE <sup>(1)</sup>	OUTLET PRESSURE SETTING, PSIG (bar)	OUTLET ADJUSTMENT RANGE, PSIG (bar)	INLET AND OUTLET CONNECTIONS, INCHES
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).

64KB Series for Anhydrous Ammonia (NH <sub>3</sub> )				
TYPE NUMBER	CAPACITY IN SCFH (SCMH) AMMONIA (NH <sub>3</sub> ) <sup>(1)</sup>	OUTLET ADJUSTMENT SETTING, PSIG (bar)	OUTLET ADJUSTMENT RANGE, PSIG (bar)	INLET AND OUTLET CONNECTIONS, INCHES
64KB-33	1650 (46,7)	10 (0,69)	3 to 15 (0,21 to 1,0)	1/2 FNPT
64KB-34	2050 (58,0)	15 (1,0)	5 to 20 (0,34 to 1,4)	
64KB-35	2250 (63,7)	20 (1,4)	5 to 35 (0,34 to 2,4)	
64KB-36	2600 (73,6)	40 (2,8)	30 to 60 (2,1 to 4,1)	
64KB-222	3300 (93,4)	50 (3,4)	35 to 100 (2,4 to 6,9)	

1. Liquid capacity is 145 GPH (549 l/hr) at 20 psig (1,4 bar) above setpoint and 20% droop. Vapor capacity based on 20 psig (1,4 bar) above setpoint and 20% droop.