

COMMERCIAL/INDUSTRIAL HIGH-PRESSURE REGULATORS



67C Series

Suitable for liquid or vapor service, the 67C Series high-pressure (pounds-to-pounds) regulators are used on a variety of applications. All types within the series have a 1/4-inch FNPT side outlet in which a pressure gauge (J500 Series) can be installed. The compact size of the 67C Series regulators make them particularly useful on installations where space is limited. The regulator design utilizes precise guiding of the valve plug to provide close regulation and high performance. The LP-Gas 67C Series has a temperature rating of -20 to 180°F / -29 to 82°C.

Type 67CW – Standard regulator with wrench adjustment.

Type 67CH – Standard regulator with handwheel adjustment.

Type 67CD – With dial calibration accuracy nearly equivalent to that of a commercial pressure gauge, the Type 67CD eliminates the need for a pressure gauge on portable applications.

Outlet pressure is calibrated on the spring case allowing visual adjustment of the outlet pressure without having to use a pressure gauge. The unit is ideal for service where gauge breakage is a problem.

Type 67CN – Extremely compact unit with a fixed (non-adjustable) outlet setting and a tamper resistant spring case. Three different setpoints are available: 10, 15, and 20 psig / 0.69, 1.0, and 1.4 bar.

Note: 67C 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 inches w.c. / 35 mbar appliance systems. Please consult with your LP-Gas Equipment Distributor for more information.

High-Pressure Regulators								
TYPE NUMBER	DESCRIPTION	CAPACITIES (PROPANE) ⁽¹⁾		OUTLET PRESSURE SETTING		OUTLET ADJUSTMENT RANGE		INLET AND OUTLET CONNECTIONS, INCHES
		BTU / hour	SCMH	psig	bar	psig	bar	
67CW-683	Basic Regulator (Wrench Adjustment)	675,000	7.6	15	1.0	3 to 20	0.21 to 1.4	1/4 FNPT
67CW-684		750,000	8.4	20	1.4	3 to 35	0.21 to 2.4	
67CW-685		1,200,000	13.5	40	2.8	30 to 60	2.1 to 4.1	
67CW-701		1,000,000	11.3	50	3.4	50 to 120	3.4 to 8.3	
67CH-751	Basic Regulator (Handwheel Adjustment)	675,000	7.6	15	1.0	3 to 20	0.21 to 1.4	
67CH-743		750,000	8.4	20	1.4	3 to 35	0.21 to 2.4	
67CH-742		1,200,000	13.5	40	2.8	30 to 60	2.1 to 4.1	
67CH-741		1,000,000	11.3	50	3.4	50 to 120	3.4 to 8.3	
67CH-745	Basic Regulator (Handwheel Adjustment) with Type M318 installed	750,000	8.4	20	1.4	3 to 35	0.21 to 2.4	
67CD-100	Dial Cap Adjustment	675,000	7.6	15	1.0	5 to 20	0.34 to 1.4	
67CD-102		1,200,000	13.5	40	2.8	20 to 50	1.4 to 3.4	
67CD-103		1,000,000	11.3	50	3.4	40 to 100	2.8 to 6.9	
67CN-106	Non-Adjustable	400,000	4.5	10	0.69	Non-Adjustable		
67CN-104		600,000	6.7	15	1.0	Non-Adjustable		
67CN-105		750,000	8.4	20	1.4	Non-Adjustable		

1. Based on inlet pressure 20 psig / 1.4 bar greater than outlet with 20% droop; Liquid capacity = 3 to 5 GPH / 11.4 to 18.9 l/hr.

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. 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 inches w.c. / 35 mbar appliance systems. Please consult with your LP-Gas 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 NUMBER	DESCRIPTION	CAPACITIES (PROPANE) ⁽¹⁾		OUTLET PRESSURE SETTING		OUTLET ADJUSTMENT RANGE		INLET AND OUTLET CONNECTIONS, INCHES
		BTU / hour	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.