



INFORMATIONAL BULLETIN

PARTS & SERVICE DEPARTMENT

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TO: Manufacturers' Representatives, District Sales Managers, Regional Managers, Technical & Customer Service Personnel, Service Agents, Sales & Marketing Personnel and UK Personnel

SUBJECT: High Gas Pressure Regulators – Over Protection Device (OPD)

An overpressure protection device (OPD) is required on the system to comply with the Line Regulator Standard ANSIZ21-80-1997/CSA6.22-M97 (2001). Installations exceeding 2 psi nominal pressure will require a tested and approved overpressure protection device (OPD) for use with the regulator. This new ANSI standard requiring the overpressure protection device limits the downstream pressure to a maximum of 2 psi in the event of a line regulator failure.

The local inspection department should be enforcing this device since the OPD are now a requirement of all regulator manufacturers' instructions. In most cases, the local gas utility company will not set or turn on a commercial meter until this device has been installed. Contact the local gas utility for any concerns or questions pertaining to this new requirement

Any Lochinvar gas fired boiler, water heater or pool heater installed on a gas supply system utilizing a 2 psi or 5 psi supply gas pressure system will require a properly sized lock-up type high gas pressure regulator (HGPR). This HGPR will be used to reduce the gas pressure at the unit inlet to a maximum of 10.5" water column.

Per the requirements of ANSI Z21-80-1997 / CSA 6.22-M97 (2001), if the gas supply system is greater than 2 psi, an overprotection device (OPD) must be specified by the designer and installed per the regulator manufacturer's requirements.

Lochinvar recommends that any required line lock-up type high gas pressure regulator be installed as far as possible from the gas appliance. The regulator should be installed with a minimum of eight to ten feet of pipe from its discharge to the unit's gas inlet. Each gas appliance or multiple appliances on a common supply will require a separate properly sized lock-up type HGPR. The gas pressure regulator shall be located to allow accessibility for adjustment and servicing. The lock up type HGPR must be specified by the designer, as well as any required vent piping. The venting from the regulator must be sized per acceptable engineering practices and meeting all local code requirements.