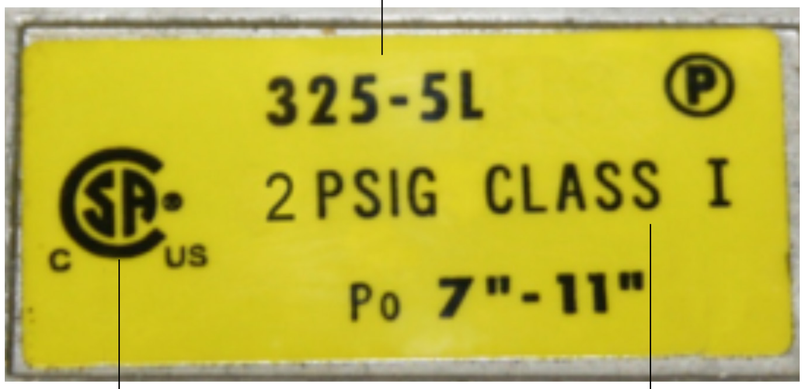
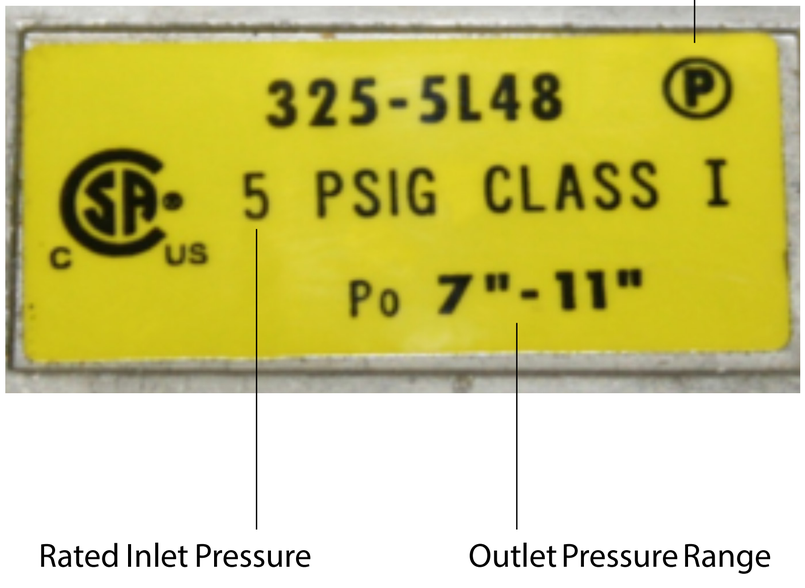
Certified Line Pressure Regulator Training

Elevated Pressure Systems

Understanding the Label





Rated Inlet Pressure:

- The highest inlet pressure for which the line pressure regulator is intended to be used.

Static Inlet Pressure:

- The maximum inlet pressure observed with no appliances operating.

Operating Inlet Pressure:

- The minimum inlet pressure observed with all appliances operating.

Outlet Pressure:

- The pressure being supplied to the gas utilization equipment when operating (flow condition).

Line Pressure Regulator:

- A gas pressure regulator intended for installation in a building gas distribution system between the building natural gas service regulator or LP gas 2 psi service regulator and gas utilization equipment.
- Class I: Maximum outlet pressure of 1/2 psi
- Class II: Maximum outlet pressure of 2 psi

Lockup Pressure:

- Pressure supplied to gas utilization equipment when the equipment is not operating (no flow condition).

Minimum Regulation Capacity:

- 0.15 CFH (150 BTU/hr) or less.

Maximum Regulation Capacity:

- Maximum cumulative load of all appliances being served by the line pressure regulator.

Maximum Individual Load Capacity:

- Maximum single appliance capacity or flow at which a line pressure regulator will control lockup pressure within accepting limits.

Vent Limiter:

- A means which limits the flow of gas from the atmospheric diaphragm chamber to the atmosphere in the event of a diaphragm rupture. This may be either a limited orifice or a limiting device.

Overpressure Protection Devices (OPDs):

- A device which under abnormal conditions will act to reduce, restrict, or shut off the supply of gas flowing to the gas utilization equipment. The pressure downstream of the device cannot exceed 2 psi (13.8 kPa).
- Overpressure Shut-Off Device: An overpressure protection device which functions by completely shutting off the flow of gas into the downstream system. Requires a manual procedure to reset the device following actuation.
- Overpressure Relief Device: An overpressure protection device which maintains a maximum set pressure by discharging (venting) gas from the downstream system to a safe location. Can be a separate device or integral to line pressure regulator.
- Monitor Regulator: An overpressure protection device which functions as a second gas pressure regulator in series with the primary gas pressure regulator. The regulator is normally wide open and will only operate in the event of a line regulator failure.