Meets ANSI standard Z21.80 for line pressure regulators – for use on piping systems such as CSST or semi-rigid copper tubing up to 5-psi

OPD provides required downstream over-pressure protection for supply pressures in excess of 2-psi

Pounds to inches regulator provides precise control from pilot flows to full regulator capacity

Meets many utility specifications

Features
• CSA certified for up to 5-psi inlet pressure
• Over-pressure protection device (OPD) to limit downstream pressure in case of regulator failure
• Maxitrol OPD approved and tested with the regulator
• Self-aligning valve with lever action for dead end regulator lockup
• Optional vent limiter eliminates the need to run vent piping to an outside area

Z21.80 is the new ANSI standard for line pressure regulators, intended for application in natural gas piping systems. As of May 1, 2002, CSA requires that all line pressure regulators above 2-psi must leave the factory pre-assembled and leak tested. At supply pressures in excess of 2-psi, the new line regulator standard requires a means (an over-pressure protection device / OPD) - approved and tested with the regulator - to limit the downstream pressure to 2-psi maximum, in the event of regulator failure. Line pressure regulators with separate overpressure protection devices shall be factory preassembled, and supplied to the field as a unit. Maxitrol-built OPDs provide the required downstream over-pressure protection.

Attention: To comply with the ANSI Z21.80 Standard for Line Pressure Regulators, installations exceeding 2-psi nominal require a tested and approved over-pressure protection device (OPD) for use with the regulator.
### 325-7AL210D

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Pipe Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>325-3L47</td>
<td>3/8 x 3/8, 1/2 x 1/2</td>
</tr>
<tr>
<td>325-3L48</td>
<td>1/2 x 1/2</td>
</tr>
<tr>
<td>325-5AL48</td>
<td>1/2 x 1/2, 3/4 x 3/4</td>
</tr>
<tr>
<td>325-5AL600</td>
<td>3/4 x 3/4, l x l</td>
</tr>
<tr>
<td>325-7AL210D</td>
<td>1-1/4 x 1-1/4, 1-1/2 x 1-1/2</td>
</tr>
</tbody>
</table>

**Maximum Inlet Pressure**
CSA Certified ........................................... 5 psi (345 mbar)

**Minimum Inlet Pressure**
CSA Certified ........................................... 1 psi (69 mbar)

**Emergency Exposure Limits**
(inlet side only) ........................................... 65 psi (4.5 bar)

**Outlet Pressure Range**
Certified spring ....................................... 7 - 11 inches w.c.

**Maximum Individual Load**
Largest single appliance served (regulator with OPD)
325-7AL210D (1-1/4", 1-1/2") ...........................1,250,000 Btu/hr

**Capacity**
Total load of all appliances combined (regulator with OPD)
325-7AL210D (1-1/4", 1-1/2") ...........................1,250,000 Btu/hr

**Venting**
325-7AL (without 12A49 vent limiter) ............................1/2" NPT
325-7AL210D (without 12A39 vent limiter) ....................3/8" NPT

**Gases**
Intended for application in natural gas piping systems up to 5 psi.

**Ambient Temperature Limits**
-40° to 205°F (0° to 96°C)

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*Note: Immediately after installation and prior to operating any appliance: It is important to check the preassembled pipe connection between the regulator and OPD for leakage. Even though the Maxitrol 5 psi line regulator with OPD is shipped as an assembly, installation of the assembly can result in turning (tightening or loosening) of the preassembled connection. If gas leakage is detected, follow the same procedures to stop the leak as you would use with any field pipe connection, and repeat step number 5 according to the ‘Safety Warning’ bulletin. All Maxitrol gas appliance regulators must be installed and operated in accordance with Maxitrol’s ‘Safety Warning’ bulletin.*