Underwriters Laboratories, Inc. listed (file number SA1089)
The R81 regulator and C81 regulator configurations with integral relief valve and outlet check valves meet the requirements of paragraphs 4.5 and 4.6 of NSDA Pamphlet TD02, Installation and Operational Procedures for Pressurized Soft Drink Dispensing Systems, dated July, 1980.
The R82 regulator with integral relief valve meets the requirements of Proposed Section 9.7, Draught Beer Dispensing Equipment and Related Components (Seventh Draft dated October 17, 1980), of ANSI-ASME F2.1-1975, Food, Drug, and Beverage Equipment.

Technical data
R84
Fluid: Carbon dioxide.
Maximum pressure: 3000 psig (207 bar)
Operating temperature: 0° to 140°F (-18° to 60°C)
Integral relief valve cracking pressure: 150 ± 5 psig (10.4 ± 0.33 bar)
R81
Fluid: Carbon dioxide.
Maximum pressure: 3000 psig (207 bar)
Operating temperature: 0° to 140°F (-18° to 60°C)
Integral relief valve cracking pressure: 130 ± 4 psig (9.0 ± 0.28 bar)
R82
Fluid: Carbon dioxide.
Maximum pressure: 3000 psig (207 bar)
Operating temperature: 0° to 140°F (-18° to 60°C)
Integral relief valve cracking pressure: 60 ± 4 psig (4.1 ± 0.28 bar)

Materials
R84
Body: brass
Bonnet: zinc
Valve cartridge: PTFE, brass, stainless steel
Diaphragm: acetal and nitrile
Relief valve: brass, polycarbonate, nitrile, aluminum
Seals: nitrile
R81
Body: brass
Bonnet: zinc
Valve cartridge: PTFE, brass, stainless steel
Diaphragm: acetal and nitrile
Relief valve: brass, polycarbonate, nitrile, aluminum
Seals: nitrile
R82
Body: brass
Bonnet: zinc
Valve cartridge: PTFE, brass, stainless steel
Diaphragm: acetal and nitrile
Relief valve: brass, polycarbonate, nitrile, aluminum
Seals: nitrile

Ordering information
Models listed have PTF threads, integral relief valve, and relieving diaphragm.

<table>
<thead>
<tr>
<th>Port</th>
<th>Model</th>
<th>Weight lb (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4”</td>
<td>R84-200-MNLA</td>
<td>1.3 (0.59)</td>
</tr>
<tr>
<td>1/4”</td>
<td>R81-200-LNKA</td>
<td>1.3 (0.59)</td>
</tr>
<tr>
<td>1/4”</td>
<td>R82-200-ENEA</td>
<td>1.3 (0.59)</td>
</tr>
</tbody>
</table>
U.L. Listed Beverage Regulators
Cylinder gas pressure (CO2) regulators for Soft drink and Beer dispensing systems

R81 and R84 Regulator

5095-51 Strap Type Bracket

R82 Regulator

Dimensions in inches (mm)

For further information www.norgren.com