

U.L. Listed Beverage Regulators

Cylinder gas pressure (CO2) regulators for Soft drink and Beer dispensing systems

- 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.



R84

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)

Maximum outlet pressure adjustment limit:

Factory set at 40 to 45 psig (2.8 to 3.1 bar)

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.

Port	Model	Weight lb (kg)
1/4"	R84-200-MNLA	1.3 (0.59)
1/4"	R81-200-LNKA	1.3 (0.59)
1/4"	R82-200-ENEA	1.3 (0.59)