

The HLRB - Series high purity single stage line regulators are designed for second stage pressure reduction from a central gas supply for resonator gases to a CO₂ industrial laser. The HLRB series line regulator will allow the user to control the resonator gas pressure to the laser. The HLRB may be panel mounted by using a bonnet nut or the threaded holes in the back of the regulator.

Features

- * One-piece encapsulated seat design to protect seat from particulate contamination.
- * 302 stainless steel diaphragm eliminates contamination from diffusion or outgassing.
- * Chrome plated bonnet, body and fittings.
- * External relief valve



Specifications

Delivery Pressure: 0 - 125 psig.
 Body: Brass barstock, chrome plated
 Housing: Brass , chrome plated
 Seat: PTFE Teflon
 Diaphragm: 302 stainless steel
 Bonnet Seal: PTFE Teflon
 Max. Inlet: 3,000 psig.
 Inlet connection: 1/4" NPT female
 Outlet connection: 1/4" NPT female
 Design leak rate: 1 x 10⁻⁹ SCC/SEC
 Flow Coefficient C_v: 0.17

Model	Gas
HLBR125000	Carbon Dioxide
	Nitrogen, Helium