

**Accuracy:**

**Low - Flow: 0.1" W.C.,**

**Full - Flow: 0.3" W.C.**



## Ratio Regulator 300° F Service: Selas Model BZR-B-300

*Selas BZR-B-300 air-gas ratio regulator (product #5114) is designed with an adjustable compensation spring to bias the regulator, providing a smooth transition to excess air operation at low fire.*

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### How It Works

Selas BZR-B-300 is designed with an adjustable compensation spring to bias the regulator providing a smooth transition to excess air

operation at low fire. Using a gas adjuster downstream of a negative biased regulator, high fire can be set to stoichiometric conditions.

### Applications:

- For hot air burner systems used in annealing furnaces, continuous kilns, etc.
- Varying back pressure systems for paper drying, atmosphere generators and more



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## Operating Principles

As the system is turned down, the spring bias will subtract from the combustion air pressure, adjusting the air/gas ratio and causing the burner to go lean. Adjusting the screw under the cap assembly permits biasing the gas/air ratio from high fire to low fire at a fixed, controlled rate.

As shipped, the regulator is set at zero bias.

Features	Benefits
Turndown: up to 20:1	Maximizes fuel efficiency
Continuous operation to 300°F	For use with heated gases
All units factory tested and sealed before shipment	"Plug and play" reliability
Maximum inlet pressure: 2.0 psig	Delivers consistent air/fuel ratio



11012 Aurora Hudson Rd • Streetsboro, OH 44241  
**1-800-523-6500 • [sales@selas.com](mailto:sales@selas.com)**  
**[www.selas.com](http://www.selas.com)**