

Accuracy:

Low – Flow: 0.1 W.C.,

Full – Flow: 0.3 W.C.



Ratio Regulator Model BZR-B

Selas Model BZR-B ratio regulator, product #5106, is designed with an adjustable compensation spring to bias the regulator, providing a smooth transition to excess air operation at low fire.

How It Works

The BRZ-B ratio regulator is designed for ambient temperatures up to a continuous operating range of 150°F. For precise control of

heated gases or higher ambient operating conditions, Model BRZ-B-300 is available.

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

Using a gas adjuster downstream of a negative biased regulator, high fire can be set to stoichiometric conditions. As the system is turned down, the spring bias will subtract from the combustion air pressure, causing the burner/gas ratio to go lean. Adjusting the screw under the cap assembly permits biasing the fuel/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
Maximum inlet pressure: 2.0 psig	Delivers consistent air/fuel ratio
All units factory tested and sealed before shipment	"Plug and play" reliability
Adjustable spring bias from: + 0.3/-5.0 W.C.	Efficiently controls burner/gas ratio



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