

Capacity Range:
650-18,100 SCFH



BZR Balanced Zero Regulator

The Selas BZR (Balanced Zero Regulator) is engineered for energy efficiency, reliability, and precision in gas flow control across various combustion systems. Featuring a robust, large diaphragm, this regulator operates seamlessly within a 650 to 18,100 SCFH flow range. The standard model is designed to function effectively in ambient temperatures up to 150°F, while additional models can withstand even higher temperatures, reaching up to 700°F. This versatility makes the BZR ideal for proportional premixers and nozzle mixers. Its rugged diaphragm-actuated valve assembly ensures a precisely balanced operation at near-zero pressure, making it a dependable choice for demanding environments.

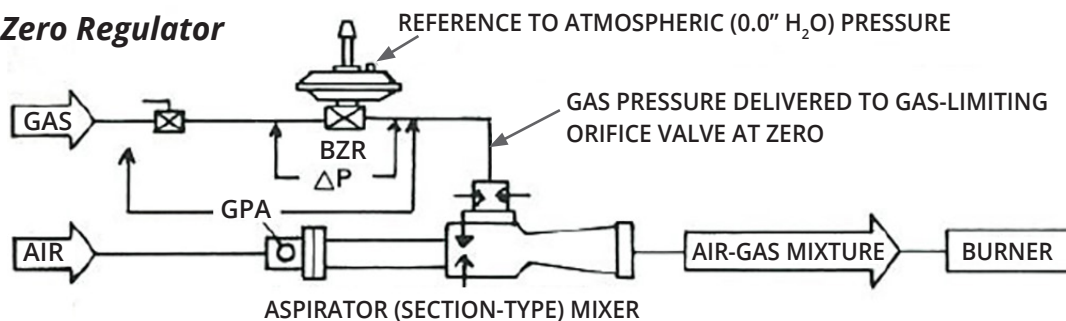
How It Works

The BZR monitors and controls gas flow through a slight pressure differential across its main diaphragm. This regulation is achieved via negative or positive signals from suction mixers or controlled pressure from an external source. The BZR is designed to distribute gas in varying quantities while maintaining a constant "zero" or atmospheric pressure. The standard model can handle maximum flow ratings with pressure differences ranging from 4" to 28" W.C. This ensures dependable and precise gas flow control across various combustion systems, including proportional premixers, nozzle mixers, and mixing tees, regardless of whether the combustion chamber pressures are positive or negative.

Applications:

- Proportional Premixers
- Nozzle Mixers
- Mixing Tees at positive or negative combustion chamber pressures

BZR Zero Regulator



Diverse Combustion Technologies. One Reliable Source.

Other BZR Models

BZR-300

- Designed for service in ambient temperatures up to 300°F (149°C).
- Eliminates need for remote location and compensation in reasonably – high ambient temperature applications.

BZR-500

- Designed for service in ambient temperatures up to 500°F (260°C).
- An extension part raises the main diaphragm assembly 12 inches above the valve body.

BZR-700

- Designed for service in ambient temperatures up to 700°F (371°C).
- Flow ratio control of high-temperature vaporized fuel.
 - o J-P Series fuel
 - o Kerosene
 - o Naphtha

Add-Ons

- Electric Gas-Lok
- Gas Adjuster



Features	Benefits
Energy Efficiency	Designed to minimize energy consumption, reducing operational costs.
Wide Flow Range	Operates effectively within 650 to 18,100 SCFH, accommodating various applications.
High Temperature Tolerance	Standard model functions up to 150°F, with options for up to 700°F.
Precision Control	Maintains accurate gas flow at near-zero pressure, ensuring optimal combustion.



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