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## BZR-Electric Gas Lok Zero Governor Regulator

*The Selas Gas-Lok is a modification of the Zero Governor, enabling its use as both a precision balanced regulator and operating shutoff valve.*

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### How It Works

The Gas-Lok is shipped ready to install. The impulse hole is closed at the factory. Port #1 of the three-way solenoid valve connects to the outlet end of the valve body. Port #2 is connected on the job to the

main gas line ahead of all automatic control valves. Tubing is supplied for this connection. Port #3 connects to the lower diaphragm chamber of the Governor.

### Applications:

- Maintains zero gas pressure on premix burner systems



Diverse Combustion Technologies. One Reliable Source.

# Operating Principles

The Gas-Lok operates as a true zero governor when the solenoid is energized, opening Port #1 and Port #3. This allows the outlet pressure to be referred to the main diaphragm chamber. When the electric circuit is broken by a control device, the Gas-Lok operates as a cut-off valve. Port #1 closes and Port #2 opens. This allows gas flow from the line to the lower diaphragm chamber. The resulting increase in pressure under the main diaphragm holds the valve tightly shut.

The Gas-Lok zero governor is NOT an approved safety shut-off valve and should not be used to shut off the main gas flow in the event of a flame failure. In this case, use a Manual Reset Valve to shut off the main gas flow.

Features	Benefits
Three-way solenoid valve	Efficiently directs gas flow and pressure
Shipped ready to install	"Plug and play" operation



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