Transmission and Distribution Technology

Engineered to provide reliability and easy maintenance.
High-Pressure Gas Regulator Products
From the Technology Leader

Precisely engineered to provide reliability and easy maintenance.

Our global customers and future customers require precise regulation of high-pressure transmission pipelines that move natural gas. To meet their needs, Emerson Process Management Regulator Technologies (Emerson Process Management) EZH and FL Series specifically handle high pressures found in gas transmission lines. These regulators have been engineered to exacting standards to control the flow of gas under very high pressure as it moves along the pipeline. Our high-pressure gas regulators are carefully designed, thoroughly tested and developed to handle higher system pressures, ensuring gas delivery and reduced noise output, resulting in increased capacity without emission of natural gas.

Product Advantages:

- Meet Higher System Requirements
  - Inlet pressures up to 103 bar / 1500 psig
  - High capacities

- Reduce Ownership Cost
  - Robust trim design
  - Longer service life
  - Top-entry maintenance
  - Installation/Maintenance
  - Eliminate bleed of gas

- Eliminate Emissions
  - No bleed technology
  - Environmentally friendly design

- Ensure Gas Delivery
  - Fail-open alternative maximizing uptime

- Reduce Noise Output
  - More efficient source treatment
  - Easy field retrofit

Transmission skids custom-made for any application.

Emerson™ has many years of experience designing and assembling regulating and metering stations. An array of standard and customized installations is available for transmission applications. Our pressure-reducing stations can be developed for open air, underground or cabinet/building-protected applications.
Emerson™ offers new product options that are easier to use and reliable.

Robust Trim Design

Top-Entry Maintenance Reduces Time/Expense for Training, Installation and Maintenance

Fully Supported Diaphragm Not Residing Within Flow Path

Type FL with Types SR1I and SRS

Type EZH

Easy Field Retrofit

Noise Attenuation Technology
Emerson™ offers new product options that are easier to use and reliable.

Fails in open position in case of main valve diaphragm failure or lack of pressure to the pilot. Meets EU EN334.

Due to high pressure-drop ratios, aerodynamic noise is generated by the turbulence created in the flow stream as gas travels through the port. Source treatment with our Noise Attenuation Technology utilizes multiple orifices of special size, shape and spacing, reducing noise-producing interactions.
Engineered, Designed and Tested to Meet Customers’ Expectations

We are known for products with rugged construction, easy maintenance and overall reliability. We’ve taken the input of industry professionals and added features to improve the practical application of transmission regulators.

Meet Higher System Requirements
EZH/FL Series
Operates up to 103 bar / 1500 psig inlet pressure
FL Series
High Cg and higher capacities

Eliminate Emissions
EZH/FL Series
No bleed technology
Environmentally friendly design for higher pressure pipelines

Reduce Ownership Cost
EZH/FL Series
Reduce cost of ownership by eliminating bleed of gas
Robust trim design due to metal plug design, new trim design, and fully supported diaphragm that does not reside within flow path
Multiple body sizes and configurations to fit new and replacement applications
Longer service life

Ensure Gas Delivery
Type EZHSO
Offers a fail-open alternative maximizing uptime

Reduce Noise Output
EZH/FL Series
More efficient source treatment
Easy field retrofit