Continental Controls Corporation – GSS Gas Flow Control System

Presented by MVF Process Controls

Product Overview

The Continental Controls Corporation GSS (Gas Shutoff and Flow Control System) provides fast, accurate electronic gas-flow control for industrial gas engines and turbines. Designed for integration with digital engine management systems, it offers precise metering, integrated safety shutoff, and reliability under demanding conditions.

Key Features

- All-in-one electronic gas-flow control and shutoff system
- Integrated throttle, actuator, and control electronics
- Suitable for natural gas, biogas, or propane systems
- Fast response for transient load changes
- Reduces emissions and improves combustion stability
- Designed for OEM and retrofit applications

Technical Specifications

Parameter	Value / Range
Flow Range	50 – 12,000 SCFM
Compatible Fuels	Natural Gas, Biogas, LPG
Inlet Pressure	1–15 psig typical
Control Interface	0–5 VDC analog, optional CAN
Shutoff Function	Integrated fast-acting valve
Accuracy	±0.25 % of full scale
Temperature Range	–20 °C to +60 °C
Construction	Hard-anodized aluminum and stainless steel
Mounting	Inline or manifold-mount options
Weight	~12 lb (varies by model)

Applications

- Gas engines
- CHP systems
- Power generation turbines
- Industrial process burners

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