



GTS CONTROLS & ENERGY SYSTEMS PVT. LTD.

Combustion Solutions.
Built for Performance.

BALANCED ZERO GOVERNOR REGULATOR

BZGR SERIES

ENGINEERED FOR EFFICIENT INDUSTRIAL HEATING

The GTS BZGR Series Balanced Zero Governor Regulators provide precise gas pressure control by maintaining a constant air-to-gas ratio across the operating range. Designed for burners, gas mixers, and proportional mixing systems, they ensure stable combustion, high accuracy, and reliable performance for efficient industrial heating applications.



KEY FEATURES

- ✓ Maximum Operating Pressure: 140 mbar
- ✓ Maximum Diferential Pressure: 30 mbar
- ✓ Maximum Operating Temperature: 65°C
- ✓ Wide Turndown Range
- ✓ High sensitivity and accuracy
- ✓ Suitable Fuel: Natural Gas, LPG, Propane, Butane & other gaseous fuels
- ✓ Connection Size: 3/4", 1", 1-1/2", 2", 3".
- ✓ Mounting: Horizontal (Recomended)
- ✓ Stable fuel/air ratio across entire control range
- ✓ Improved combustion efficiency
- ✓ Reduced emissions



PRECISE
REGULATION



STABLE &
RELIABLE



HIGH ACCURACY
DESIGN



FAST & POSITIVE
RESPONSE



APPLICATIONS

- Industrial Gas Burners
- Venturi Mixers
- Proportional Mixers
- Industrial Furnaces
- Boilers & Process Heaters
- Hot Air Generators



PRODUCT DESCRIPTION

GTS Zero Regulators are ideal for applications involving burners, gas mixers, and proportional mixers. They enable precise regulation of fuel flow while maintaining a stable fuel/combustion air ratio across the entire control range. These regulators are driven by a pressure signal that is proportional to the actual combustion air pressure, ensuring that the same pressure value is restored on the gas line. This dynamic adjustment allows for consistent and efficient combustion. With high sensitivity and accuracy, GTS Zero Regulators ensure reliable and efficient performance in complex combustion systems.



BURNER PARAMETERS (NATURAL GAS)*

Model	End Connection	Impulse Connection	Length	Min. Flow Capacity (Nm3/hr)	Max. Flow Capacity (Nm3/hr)
6-BZGR	3/4"	1/8"	127	5	15
8-BZGR	1"	1/8"	120	12	35
12-BZGR	1-1/2"	1/4"	165	22	65
16-BZGR	2"	1/4"	194	40	130
24-BZGR	3"	1/4"	292	90	290

*for Natural gas with Calorific Value of 8600 Kcal/Nm3



MECHANICAL CONSTRUCTION

- Body Material : Aluminium Pressure Die Cast
- Diaphragm : As per Industrial standard EN 549

Balance Zero Governor Regulator- BZGR

Model: 6/8/12/16/24*

Fuel: LPG/NG/ Others(C)*

*- For other gases, please provide the composition to verify and confirm suitability.
Higher Capacities available on request.



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