



GTS CONTROLS & ENERGY SYSTEMS PVT. LTD.

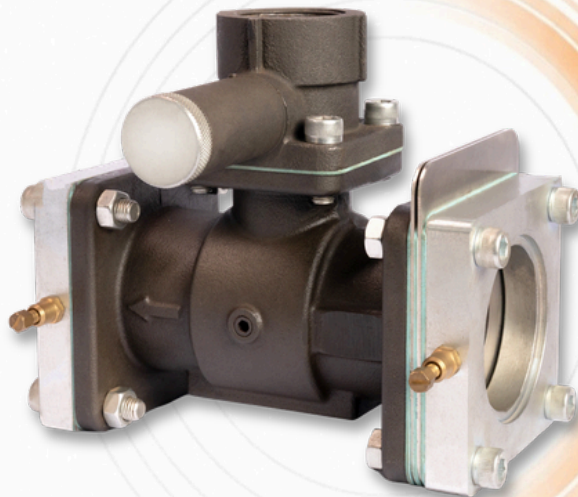
Combustion Solutions.
Built for Performance.

FLANGED MIXING TEE

FMT SERIES

ENGINEERED FOR EFFICIENT INDUSTRIAL HEATING

GTS Flanged Mixing Tees are advanced air-gas proportional mixers designed to maintain a consistent air-fuel ratio with low pressure drop. The mixer controls combustion air and gas flow through a precision orifice and balanced zero regulator, ensuring stable combustion and reliable performance across a wide range of flow rates.



KEY FEATURES

- ✓ Mixer Type: Flanged Air-Gas Proportional Mixer
- ✓ Air Flow Control: Precised
- ✓ Gas Flow Control: Adjustable gas orifice
- ✓ Pressure System: Balanced zero regulator
- ✓ Fuel: Natural Gas / LPG / Other clean gases
- ✓ Installation: Air & gas piping as per mixer size
- ✓ The system is easy to adjust and maintain, ensuring long-term reliability.



ACCURATE
AIR FLOW



BALANCED
PRESSURE



STABLE AIR-FUEL
RATIO



LOW PRESSURE
DROP



APPLICATIONS

- Industrial combustion system
- Low pressure systems
- Premix tunnel burners
- Blast tip pilot & torches
- Ribbon and Line burners



PRODUCT DESCRIPTION

The GTS FMT Series Flanged Mixing Tee is a precision-engineered air-gas proportional mixer designed to deliver accurate fuel-air mixing for industrial combustion systems. It maintains a stable air-to-gas ratio over a wide operating range, ensuring reliable ignition, efficient combustion, and consistent burner performance. The mixer operates in conjunction with a zero pressure regulator to automatically balance gas pressure with combustion air pressure, providing precise fuel control under varying load conditions. Its low-pressure-drop design improves system efficiency while minimizing energy consumption.



BURNER PARAMETERS (NATURAL GAS)*

Model	Air Inlet size	Gas Inlet size	Combustion Air Flow Nm ³ /hr
25-FMT	1"	3/8"	25
32-FMT	1-1/4"	1"	70
40-FMT	1-1/2"	1"	100
50-FMT	2"	1-1/4"	150-170
65-FMT	2-1/2"	1-1/4"	230
80-FMT	3"	1-1/4"	290-340
100-FMT	4"	2-1/2"	400-700
150-FMT	6"	3"	1000-1700

*The capacity value in kW is equivalent to the air flow rate in Nm³/h. In Hi-fire conditions, the air pressure drop across the system is 20 mbar.

Flanged Mixing Tee- FMT

Model: 25/32/40/50/65/80/100/150*

Fuel: LPG/NG/ Others(C)*

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



MECHANICAL CONSTRUCTION

- Mixer Body : Cast Iron
- Air Inlet Flange : MS
- Gas Adjuster Assembly : Cast Iron
- Orifice Plate : Stainless Steel (SS304)



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