



GTS CONTROLS & ENERGY SYSTEMS PVT. LTD.

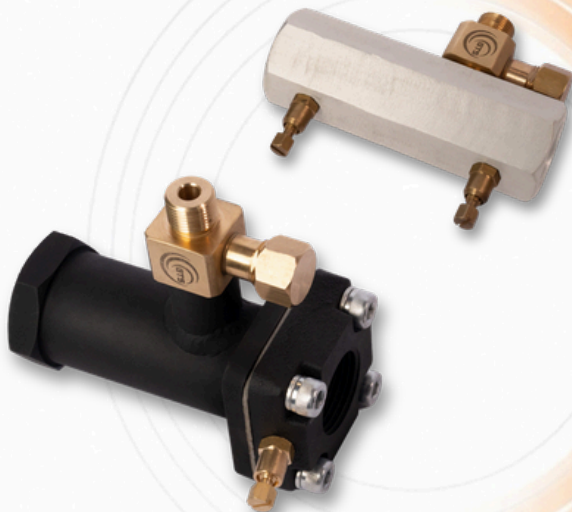
Combustion Solutions.
Built for Performance.

VENTURI MIXER

VM SERIES

ENGINEERED FOR EFFICIENT INDUSTRIAL HEATING

GTS Venturi Mixers are proportional air-gas mixers operating on the suction principle. As air passes through the venturi port, it creates suction at the throat and draws fuel gas into the mixer. The gas-to-air ratio is adjusted through the gas throttle valve and remains stable across a wide range of airflows.



KEY FEATURES

- ✓ Mixer Type: Venturi Air-Gas Mixer
- ✓ Operating Principle: Suction through venturi port
- ✓ Gas Flow Control: Adjustable gas orifice
- ✓ Precise mixture setting compact and heavy-duty design
- ✓ Single valve control for heat input regulation 3:1 turndown ratio on capacity.
- ✓ Adjustable gas throttle valve for easy gas input control
- ✓ Zero gas regulator compatibility for stable gas pressure
- ✓ Pressure taps for measurement



CONSISTENT
GAS-AIR RATIO



ADJUSTABLE
GAS THROTTLE



SINGLE VALVE
CONTROL



3:1
TURN DOWN



APPLICATIONS

- Burner systems
- Pilot Burners
- Premix burners up to 30 kW
- Controlled Air-Fuel mixing
- low pressure gas systems
- Combustion Test Rig



PRODUCT DESCRIPTION

The VM Series Venturi Mixers are precision-engineered proportional air-gas mixers designed to deliver accurate and consistent fuel- air mixing for industrial combustion systems. Operating on the Venturi principle, the mixer creates a controlled vacuum as combustion air flows through the venturi throat, drawing the required quantity of fuel gas into the air stream.

This ensures a stable air-to-gas ratio over a wide operating range, resulting in efficient combustion and reliable burner performance.



BURNER PARAMETERS (NATURAL GAS)*

Model	Min. Burner Port Area	Air Pressure (mbar)			
		3.5	17.5	35.4	70
		Mixture Pressure (mbar)			
		1	5	10	20
		kW	kW	kW	kW
2-VM	33	1	2	3	4
3-VM	43	1.2	2.5	3.5	5.5
4-VM	63	1.8	4	5.5	8
6-VM	117	3	7	10	15
8-VM	161	6	13	18	25

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



MECHANICAL CONSTRUCTION

- Body Material : Aluminium/MS
- Venturi : Aluminium/SS
- Gas Throttle valve : Brass
- Pressure Tap : Brass

Venturi Mixer- VM

Model: 2/3/4/6/8*

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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