

AEROBLEND

AIR-GAS MIXERS



PRODUCT INFORMATION

Introducing the AEROBLEND Series Air/Gas mixers by BLAZE, a cutting-edge venturi-type air gas mixer designed to adapt to your engines fuel requirement.

Engineered for precision, this mixer seamlessly blends air and gas, ensuring optimal ratios for efficient and controlled combustion.

AEROBLEND series air/gas ratio mixers are available in DN100, DN 140 & DN200 to cater various engine sizes.

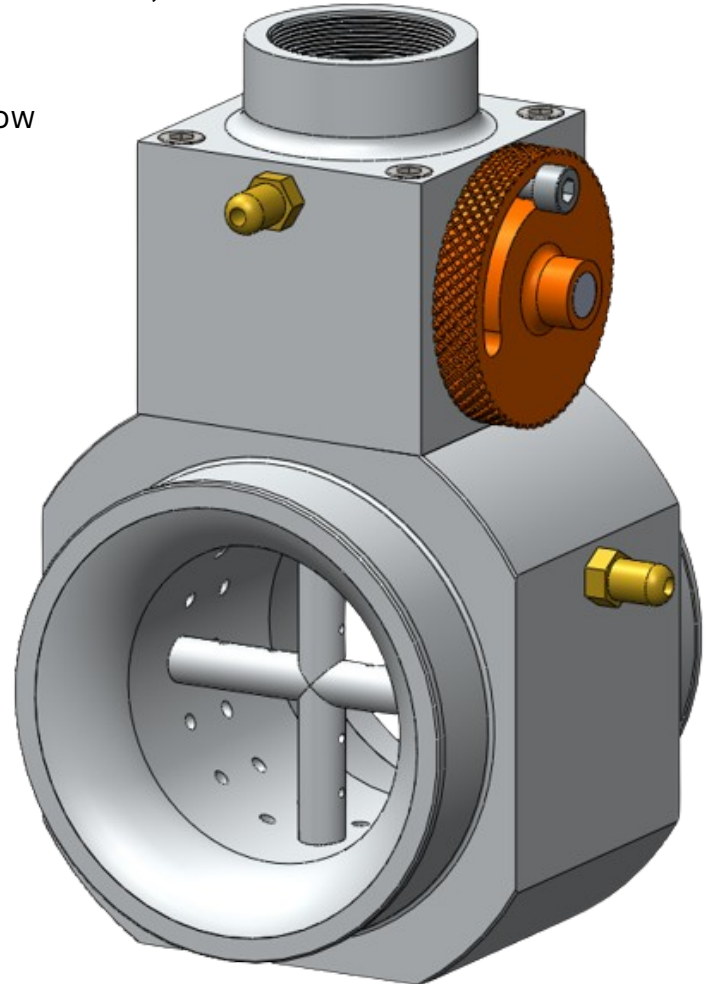
AEROBLEND mixers are integrated with mechanical flow control valves for optimal gas ratio control.

The static mixer design allows for low maintenance and long working life.

SUITABLE FUEL

AEROBLEND Air-Gas mixers can work on following range of gas types:-

- Natural Gas
- Bio-CNG



OPERATING RANGE

Size	Engine Load (KW)	
	Min	Max
AGRV-100	65	250
AGRV-140	250	500
AGRV-200	500	1250

WORKING PRINCIPLE

AEROBLEND Works on the venturi principle.

The engine creates suction vacuum which draws air through the air intake.

Venturi effect creates vacuum at the throat of the mixer which sucks gas through the inlet holes.

Gas inlet at the throat is designed to create uniform air/gas mixing which is released at the mixture outlet to the engine.

AEROBLEND Mixer are available in various sizes which allows for various volumetric flows to be attained thus catering to various engine capacities.

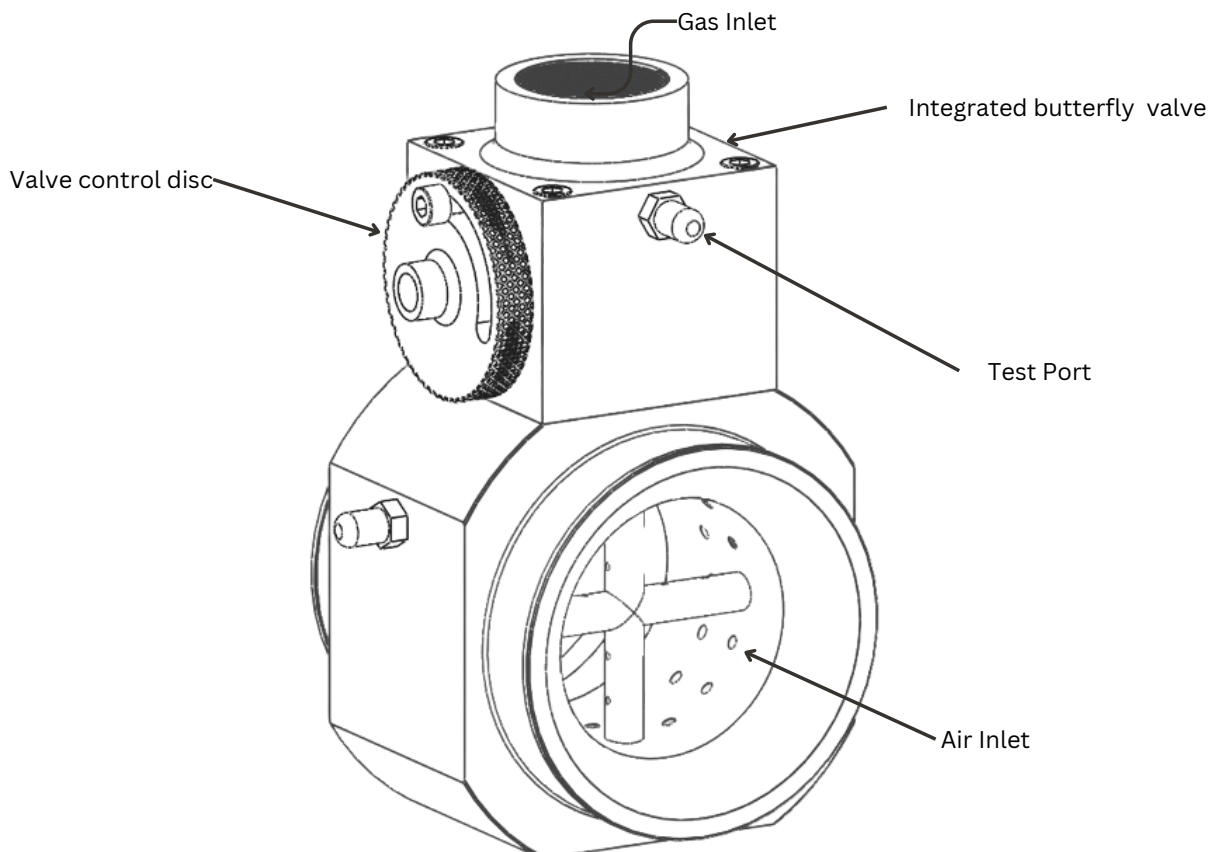
AIR-GAS MIXTURE FLOW REGULATION

In the Mixer the fuel through the inlet port travels to the holding area and from the inlet holes at the throat is mixed with air, and discharged through the outlet to the engine.

The inlet holes are designed for maintaining optimal air-fuel ratio.

Integrated butterfly valve is fitted to maintain precise AIR-GAS ratio in case of different gas quality and engine performance.

Impulse ports provided can be utilized to measure suction pressure from the engine.



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Gas Trains for Dual fuel kits



DESIGNED & MANUFACTURED BY:-

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