

# EquiCOM 60

## Venturi Gas Mixing Device

### General Description

EquiCOM 60 is a combination venturi gas mixer and internal gas flow control valve. The gas flow is controlled through an annular gap, driven by a high-precision stepping motor with integrated electronics. This configuration allows fast response to different gas qualities, which is necessary for permanent fuel gas changes at biogas applications.

Varying the flow area by changing the crown of the venturi tube makes it possible to keep Lambda control tolerances low ( $\pm 0.01$ ) and to operate the engine at best performance. The achievable Lambda and the Lambda control tolerances can be adjusted according to customer requirements.

The optimized and patented shape of the venturi tube avoids flow separations and decreases pressure losses up to 20% compared to standard shapes, resulting in higher engine performance.

EquiCOM 60 offers high mixture homogeneity without any mixing inserts and is therefore maintenance free.

### Key parameters

#### General Data

Supply voltage 12–24V, max. 1.1A

Connector power supply, analog Input and Outputs: 8-pin Lumberg 0315-1 U

Connector service interface or CANopen: 8-pin Lumberg 0305-1 U

#### I/O Data

Analog Input: -10 to +10V

Digital Output: error and status indication

Optional CAN Open

Service interface: RS485 (4 wire)

### Specifications

Power Range..... 250-550kW (lean burn)  
450-1000kW (rich burn)

Ambient Temperature..... -20° to +80°C

Protection Class ..... IP 65

Hose connection to balance line

Suitable for operation with natural gas and biogas, other gases on inquiry

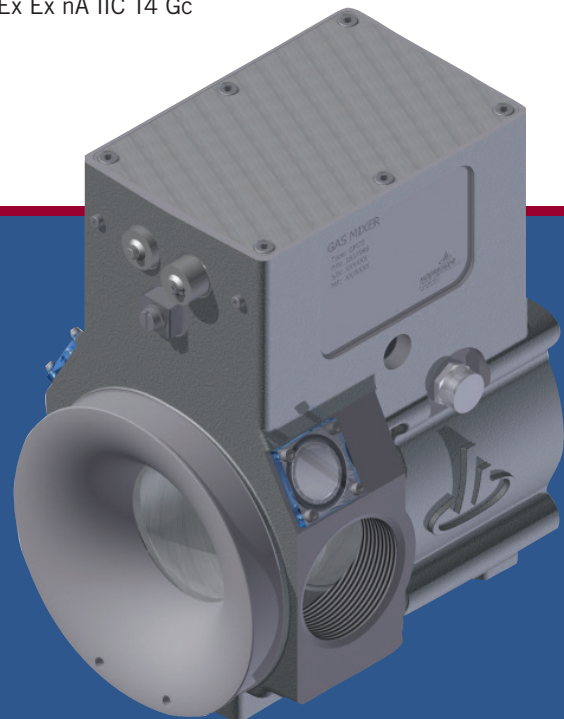
Ideal for lean burn and Lambda 1 engines

Certifications:

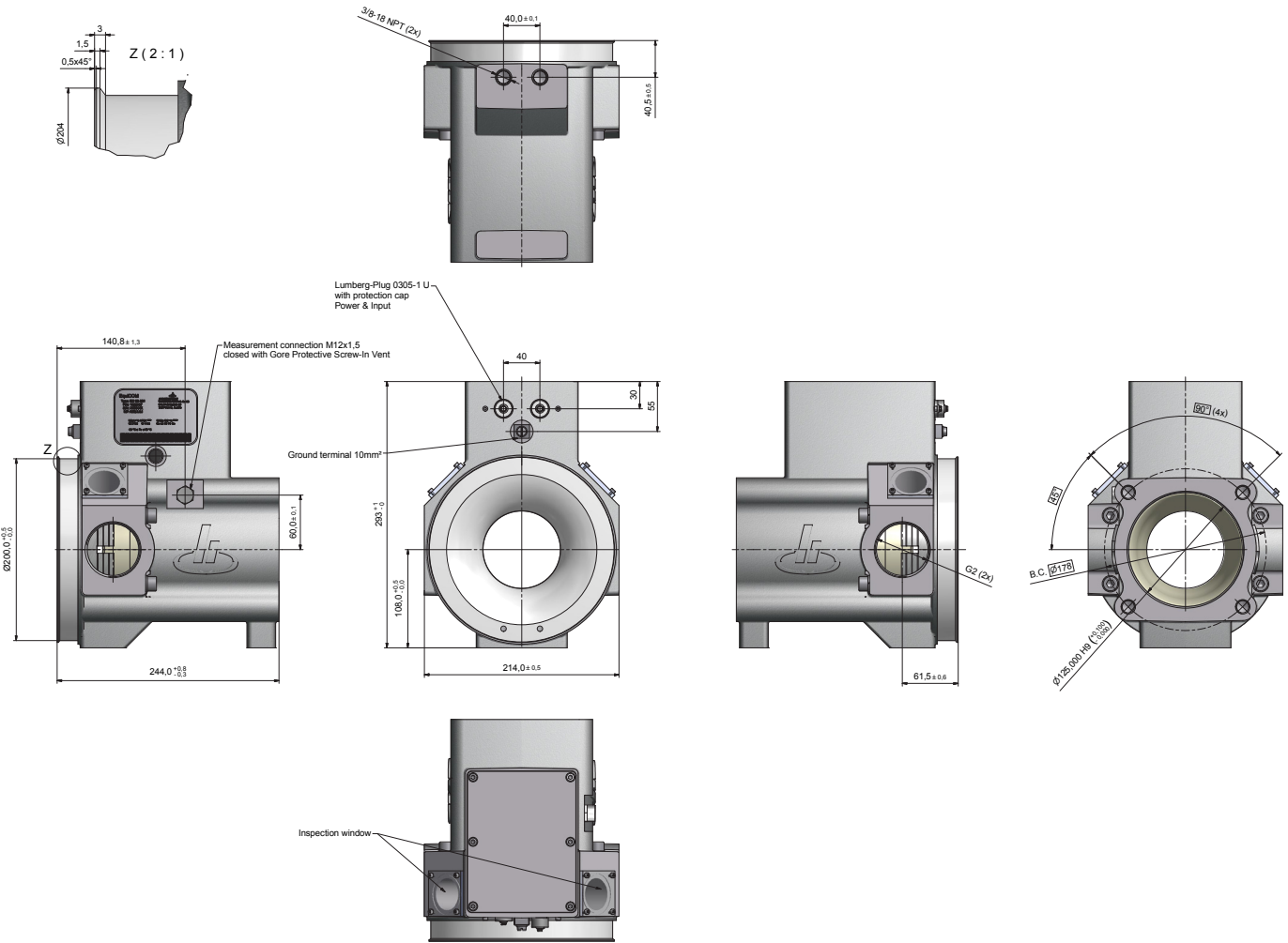
ATEX II 3G

IECEX Ex nA IIC T4 Gc

CE



# Dimensions



**altronic**

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