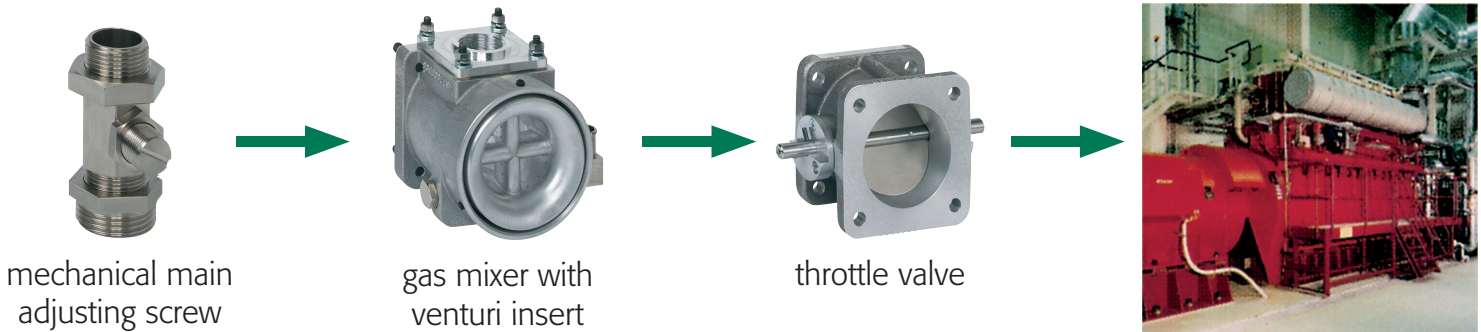


HEINZMANN®



Leading in the electronic speed governor world

GAS ENGINE CONTROLS



System Features

- system can be used for low and some high pressure applications
- gas mixer operation is reliable governed by physical laws
- pressure drop of the gas mixer is very low due to the ideal shaped venturi insert
- gas mixer can work with low gas supply pressures down to 20 mbar
- gas mixer contains no moving parts
- different venturi inserts and configurations for a wide range of gas qualities available
- very homogeneous mixture quality ensures even cylinder distribution
- main adjusting screws available for all applications
- low torque butterfly throttle valve
- for corrosive gases the Air Fuel Ratio components are available in anti corrosive versions

KRONOS 10

Manually Adjustable Air Fuel Ratio System

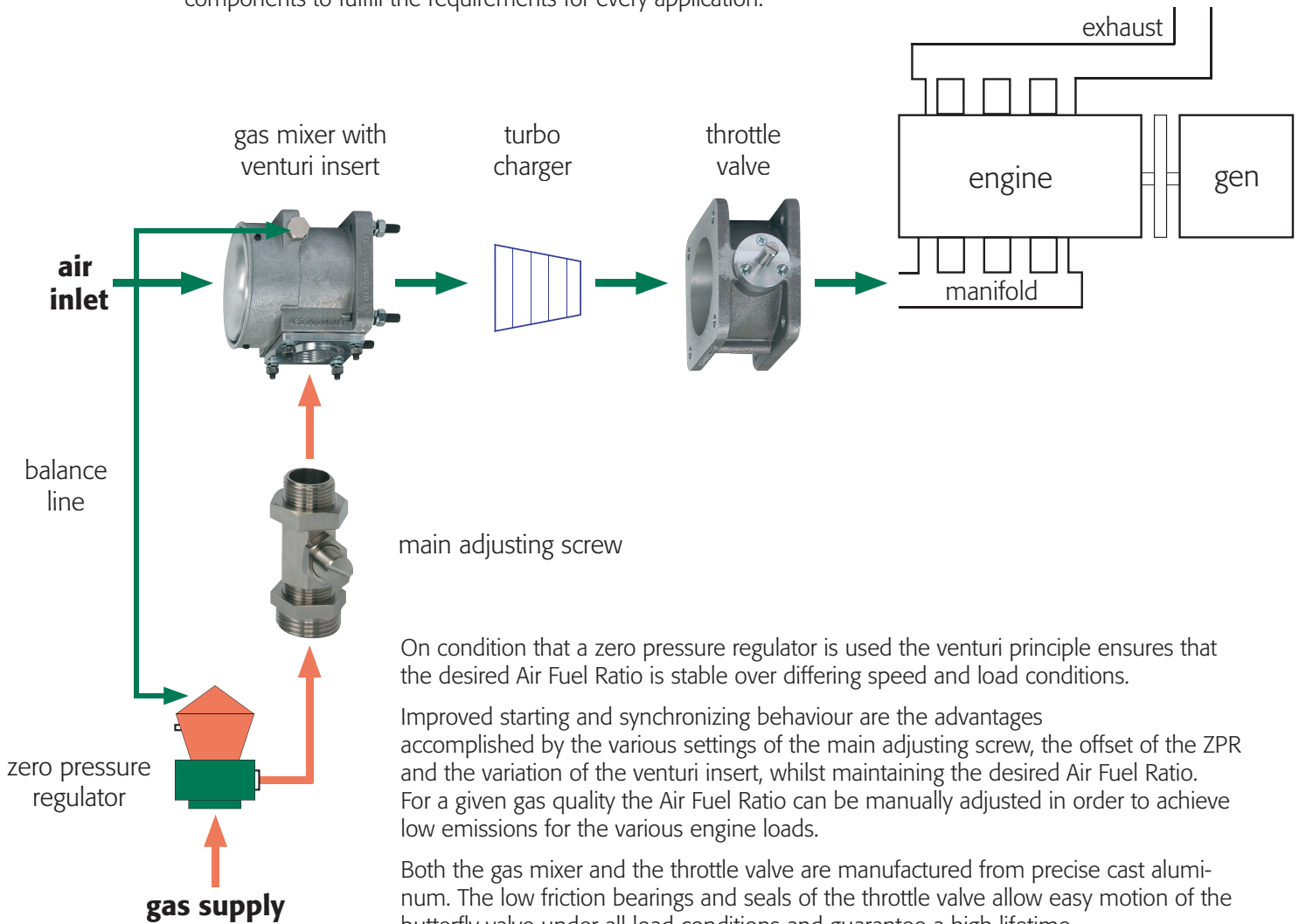
KRONOS 10

Manually Adjustable Air Fuel Ratio System

HEINZMANN offers a complete range of mechanical carburation equipment giving an excellent performance for various gas qualities.

Flange sizes range from 50 mm to 300 mm covering engine outputs from 25 kW up to 3 MW.

Using specially developed calculation programs to configure the components to fulfill the requirements for every application.



On condition that a zero pressure regulator is used the venturi principle ensures that the desired Air Fuel Ratio is stable over differing speed and load conditions.

Improved starting and synchronizing behaviour are the advantages accomplished by the various settings of the main adjusting screw, the offset of the ZPR and the variation of the venturi insert, whilst maintaining the desired Air Fuel Ratio. For a given gas quality the Air Fuel Ratio can be manually adjusted in order to achieve low emissions for the various engine loads.

Both the gas mixer and the throttle valve are manufactured from precise cast aluminium. The low friction bearings and seals of the throttle valve allow easy motion of the butterfly valve under all load conditions and guarantee a high lifetime.



HEINZMANN®



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