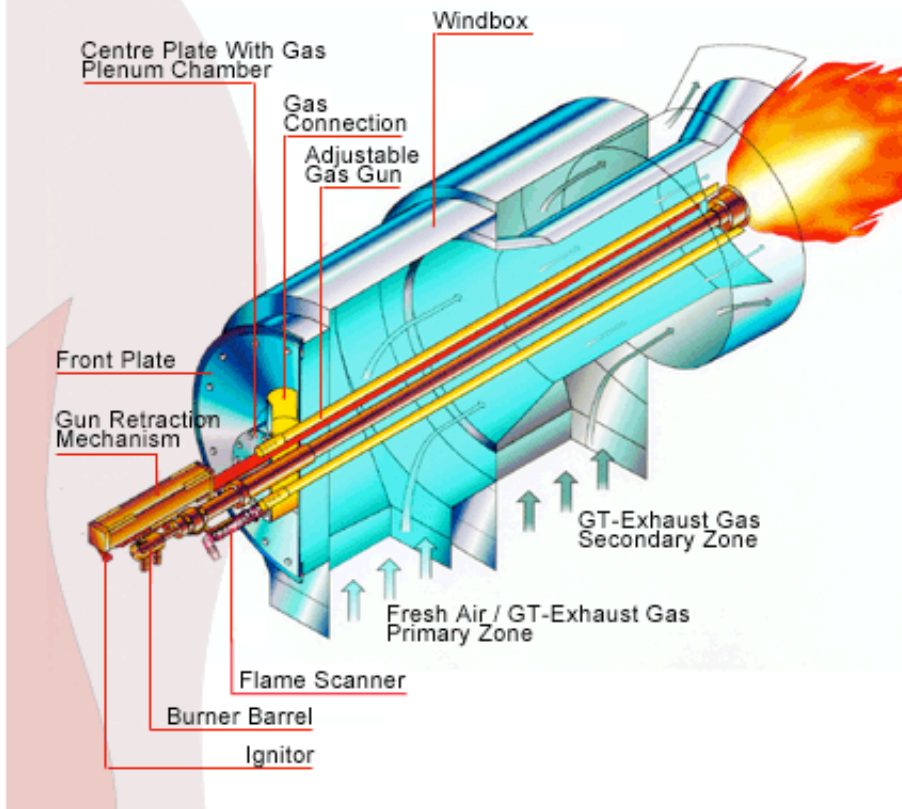


Our Products

Turbine Exhaust Gas Burners



AREA OF APPLICATION:

The burners of the GT series were specially developed for the purpose of further reheating of gas turbine exhaust gases which are to be used for subsequent thermal processes.

For this purpose the GT burner may be operated alternatively in the fresh air mode without the gas turbine in operation, or as an additional firing mode with the gas turbine in operation.

The GT burner is characterized specially by its stable behaviour with NO_x and CO even under supplementary firing conditions in the partial load range with the gas turbine in operation.

Alternatively either liquid and/or gaseous fuels may be used.

In cases where under the supplementary firing mode the oxygen concentration of the gas turbine exhaust gases might not suffice for the combustion of the GT burner fuels, the required oxygen concentration can be guaranteed by feeding-in an adequate amount of additional combustion air.

In the fresh air mode it is possible to go below the actual emission values by feeding-in flue gas

externally.

Under circumstances of narrow spaces in a multiple burner arrangement, it is also possible to locate several burners in a common windbox and to close off the individual GT-burner at the air admission side by means of an air slider.

At the oil and gas admission side the proven M&S Low NOx tips are being used.

DESCRIPTION:

The GT burner for liquid and/or gaseous fuels consist mainly of:

- front plate with insulation
- central plate with gas plenum chamber
- primary zone
- secondary zone
- oil gun with Low NOx tip and pneumatic retraction mechanism
- diffuser tube with diffuser
- flame shield
- gas lances with Low NOx tips which are externally adjustable and removeable
- ignitor
- light receiver