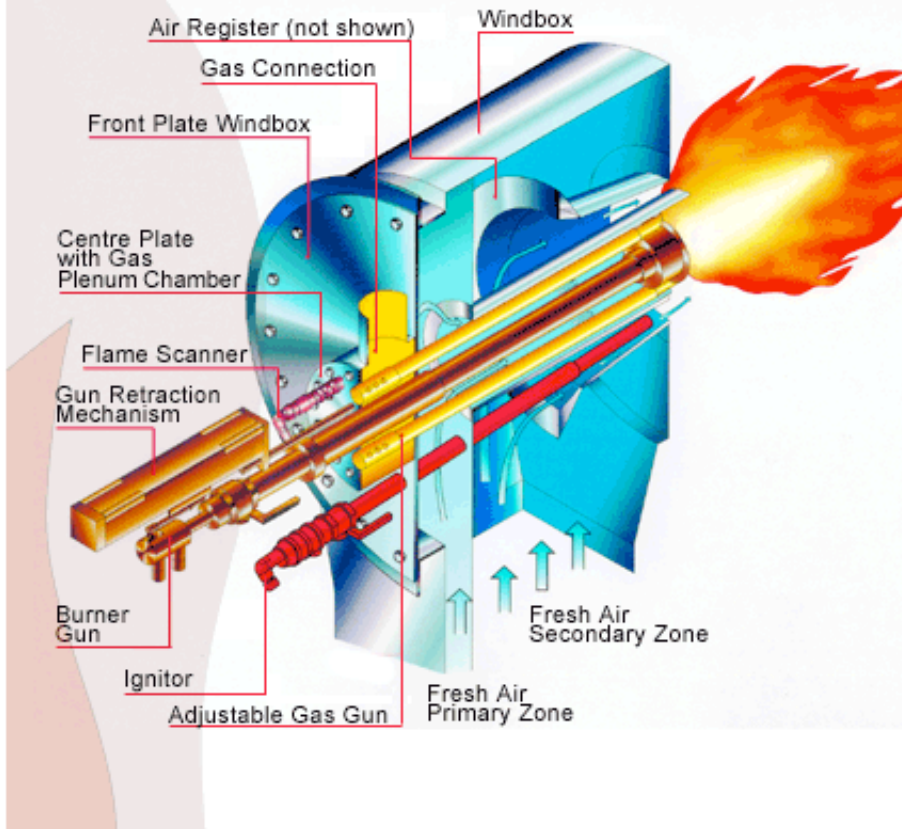


Our Products

LOW NO_x Burners



AREA OF APPLICATION:

The NAB(ST) type Low NO_x burner with internal flue gas recirculation is the result of continuing development and further improvement of the proven M&S Low NO_x burner.

In the course of this development a new Low NO_x burner generation has been designed using a technique which points to the future and by which emission values are obtained and undercut that previously were only possible with the external feeding-in of flue gas.

The internal flue gas recirculation of the NAB (ST) burner takes place independently in the area of the furnace without any other secondary installations or additional measures.

Due to the purposeful feeding-in of various partial combustion air streams, a partial flow-back of the emerged flue gases in the furnace takes place.

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

Additionally the proven M&S Low NO_x tips are used on the oil side as well as on the gas side.

DESCRIPTION:

The NAB (ST) burner for liquid and/or gaseous fuels consist mainly of:

- front plate with air register and secondary air tube
- central plate with gas plenum chamber
- multiple-subdivided windbox
- oil gun with Low NOx tip and pneumatic retraction mechanism
- diffuser tube with diffuser
- primary air tube
- gas lances with Low NOx tips which are externally adjustable and removeable
- ignitor
- light receiver