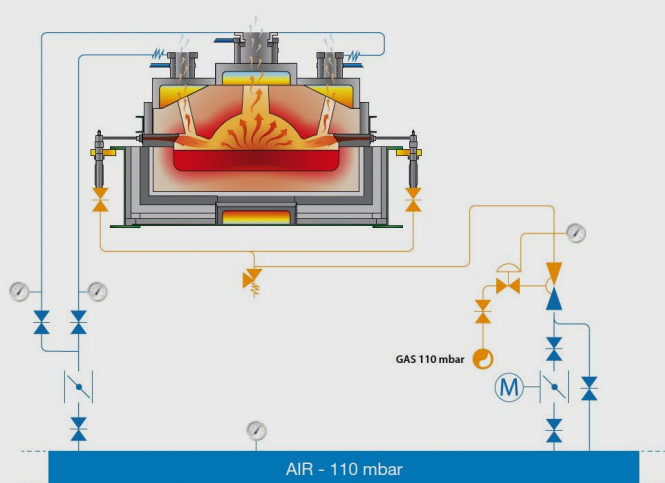
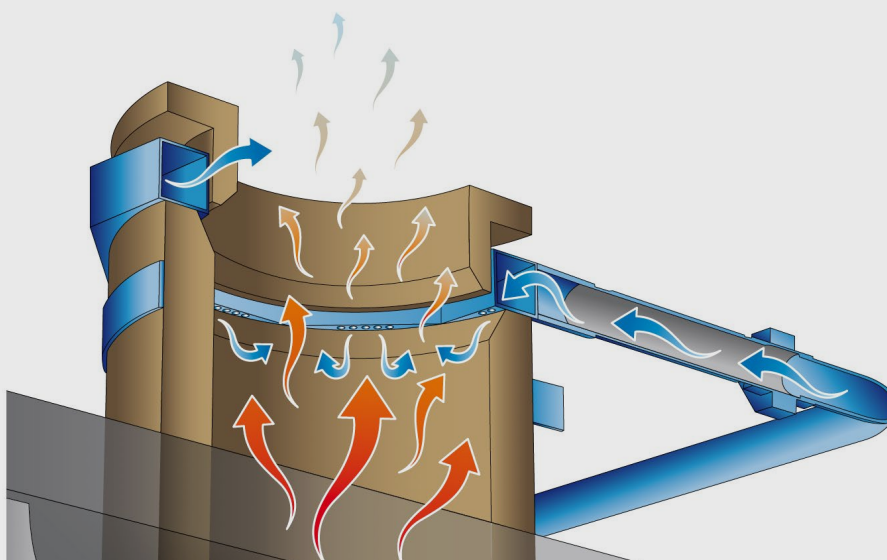


AIR DAMPER SYSTEM

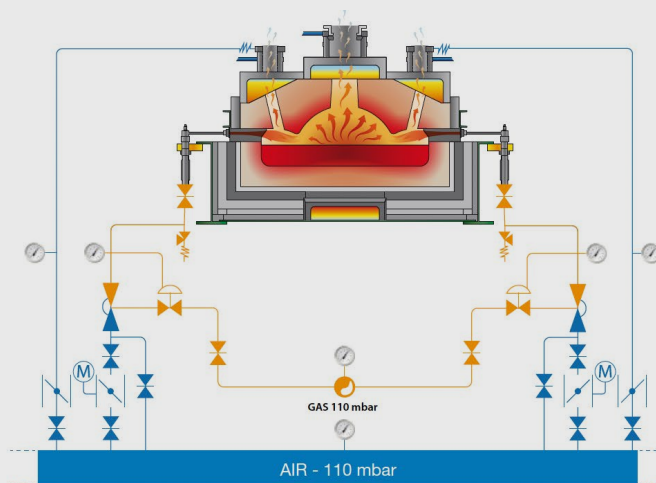
All exhausts are fitted with automatically controlled air dampers. The air damper is made of a series of internal concentric air jets creating an air curtain which is controlled to allow either cooling air enter into the superstructure or products of combustion to exhaust from the forehearth, depending on whether they act as a cooling air inlet or flue. Air dampers represent an effective means of controlling forehearth pressure without the use on any moving parts, hence minimizing maintenance requirements.

The amount of cooling air entering the cooling channel and the position of the dampers are automatically regulated according to the cooling requirement of the forehearth.

The same actuator, that controls the cooling air flow, drives the air to be sent to the air damper to control the pressure into the forehearth superstructure in order to avoid fresh air infiltration through the chimney when the cooling is working at low capacity.



STANDARD COMBUSTION



SIDE-BY-SIDE COMBUSTION
(if required)