FK Industrieofenbau + Schutzgastechnik GmbH

Exothermic / Inert gas generators type EXOLEN

Air and natural gas will be injected with a pressure of 200 mbar into a special gladded combustion chamber. Inside the combustion chamber the exothermic reaction between natural gas and air takes place.

Small deviations of the natural gas /air mixture are effecting the exothermic gas composition very drastically. FK Industrieofenbau + Schutzgastechnik GmbH is much taking care of the composition adjustment and regulation. The mixture of air and natural gas will be controlled permanently.

The H_2-content will be controlled by a special analysator (thermal conductivity method). Electronic controls are adjusted - in accordance with the taken measurements – a motor driven control valve, responsible for natural-gas supplies.

The combustion chamber, made of stainless steel, gladded with high temperature resistant ceramic material, has a double walled chamber and will be cooled with water.

Modern generators, designed and build by FK Industrieofenbau + Schutzgastechnik GmbH can produce Exo-gas with a content of O_2 less than 5 vpm. The H_2-content will be automatically adjusted between 1-10 vol.-%.

FK Industrieofenbau + Schutzgastechnik GmbH is producing generators up to a production volume of 3.500 Nm^3/h exothermic gas.

Big-size exothermic generator type EXOLEN with a production capacity of 3.500 Nm^3/h