

Coke oven gas boiler burner



Brief introduction of coke oven gas boiler burner:

Coke oven gas boiler burner is a kind of burner which takes coke oven gas as fuel and is used in boiler industry. Coke oven gas burner is specially designed for coke oven gas which is not very pure, with filtering function. Reasonable design, complete combustion, straight flame, can quickly increase the furnace temperature in a short time, to meet the requirements of use. The boiler burner is composed of two parts: oil nozzle and air regulator. The principle is: to atomize oil into fine drops and spray it into the combustion chamber at a certain diffusion angle or atomization angle. After that, it is mixed with the incoming air for ignition. The amount of coke oven gas required for the boiler to produce a ton of steam is 82 cubic meters in theoretical terms, but it should be about 84 cubic meters in practice due to the boiler efficiency and other factors.

The performance characteristics of coke oven gas boiler burner are as follows:

Applicable fuel range: $2200 \text{ kcal/Nm}^3 \leq \text{fuel gas calorific value} \leq 5000 \text{ kcal/Nm}^3$;

Fuel gas pressure range: $5 \text{ kPa} \leq \text{fuel gas pressure} \leq 10 \text{ kPa}$;

Fully automatic operation control, matching mechanical ratio and electronic air-fuel ratio adjustment;

The electronic air-fuel ratio adjustment can communicate with the host computer, communication protocol is Modbus.

Set with indirect ignition flame, and the auxiliary fuel is the same as the main fuel.

Gas valve train adopts pneumatic valve, large driving torque, safe and reliable closure.

Adopting split structure, the fan can be installed far away from the burner, which is easy to reduce noise.

Can be made into hot blast resisting type products according to clients' request, highest hot blast temperature can reach 250°C .

Pre-sale services:

1. Select equipment model;
2. Design products according to clients' special requirement;

After-sales service during warranty period:

1. Turn-Key Solutions, including design, development, production.
2. Dispatch experts to carry out service on site:
 - A. Installation and debug of the machinery;
 - B. Train the first-line operators and technologies;
 - C. Carry out any other service client may need
3. Assist you to prepare for the first construction scheme;