

**Coke oven gas low NOx burner**



**Introduction of coke oven gas low NOx burner**

Coke oven gas low NOx burner is an industrial burner using low NOx technology, its main fuel is coke oven gas.

Low NOx burner refer to the burner with low NOx emission during fuel combustion. The use of low NOx burner can reduce NOx emission during combustion. The NOx produced in the combustion process are mainly NO and NO2, which are commonly referred as NOx. A large number of experiments proves that the main NOx emitted by the combustion device are NO, accounting for about 95% on average, while NO2 only accounts for about 5%.

**Currently, the low NOx burner mainly has the following technologies:**

1. Low excess air combustion;
2. Air fractional combustion;
3. Fuel classification combustion;
4. Flue gas recycling.

**The main advantages of high speed low NOx burner are:**

1. The combustion performance for high speed low NOx burner (nozzle) can achieve: straight and bright flame, complete combustion, no flame partial burning phenomenon.
2. The high-speed low NOx burner (nozzle) is of reasonable structure and convenient installation, and its service life is longer than 5 years.
3. The burner (nozzle) is easy to install and maintain, and stable in performance, which can ensure the long-term, reliable and economical operation of the alkali sulfide furnace.
4. No matter for coal or gas fueled boilers, low NOx burners can save investment and operating costs.

**Strict quality control system of coke oven gas low NOx burner:**

1. Follow ISO9001 management system
2. Company Inner quality control chart: Incoming quality control (IQC) ----In process Quality Control (IPQC)----Outgoing QC (FQC) ----Record and Solutions

