

Pulverized coal low NOx burner



Introduction to the biogas low NOx burner

Biogas low NOx burner is an industrial burner uses biogas as main fuel, and it adopts low NOx technology. Biogas is a kind of renewable clean energy, with the advantages of wide source of raw materials, high calorific value and small environmental pollution. However, in addition to a large amount of CH₄, biogas also contains some CO₂ and a small amount of H₂S and other gases, so its combustion characteristics are different from conventional gas. At present, low NOx combustion and flue gas treatment are the main technologies to reduce NOx emission. The former is mainly to control NOx in the combustion process, while the latter is to achieve low emission of pollutants through some special treatment on the total flue gas in the tail flue. There are two main technologies for flue gas treatment: one is selective non-catalytic reduction (SNCR) and the other is selective catalytic reduction (SCR).

Our company uses FLUENT software, CFD computational fluid dynamics and other advanced technologies to achieve low NOx. Considering the mixing speed at the initial stage and reducing the fast NOx, the following low NOx combustion technologies are mainly used:

1. Air grading combustion technology
2. Fuel classification combustion technology
3. Flue gas recirculation technology
4. Lean combustion premix combustion technology
5. Regenerative combustion technology

Our advantage:

1. Strong R&D team work: With 50 experienced R&D engineers in-house who will work on your modifications, moldings, electromechanical engineering, 3D drawing, and software development services.
2. Advanced equipment and instruments
3. Imported raw materials with related brands
4. Follow ISO9001 management system
5. Company Inner quality control chart: Incoming quality control (IQC)--In process Quality Control (IPQC)--Outgoing QC (FQC) --Record and Solutions

