

### Diesel oil hot-blast stove burner



#### **Introduction to the diesel oil hot blast furnace burner:**

Diesel oil hot blast furnace burner is an industrial burner in hot-blast furnace area, with diesel oil as fuel. It has the function of automatic ignition, flameout alarm, cut off, and temperature control. The diesel oil hot air stove burner is mainly composed of oil atomizer and air regulator. It is characterized by good atomization effect, convenient ignition, sufficient combustion, stable and flame, no coking, no logging and long service life. The length, cone angle and shape of flame can be designed according to user requirements.

#### **How to select diesel oil hot-blast stove burner?**

Select the burner according to the structure characteristics and performance requirements of hot air furnace, and combined with user conditions. Please refer to the following principles:

1. Diesel oil technical parameter;
2. Atomization way;
3. Calculate fuel consumption and burner qty according to the rated output and efficiency of the hot-blast stove;
4. Large regulation range of burner;
5. Less fuel atomization energy consumption and small resistance of air regulations.
6. Flue gas emission and noise impact must meet the requirements of environmental standards;
7. Select ways of burner assembly: integral type or split type, please select according to the specific situation of hot air furnace and user requirements.
8. Should choose simple structure, reliable operation, easy to adjust, control and repair, easy to achieve automatic control of the combustion process burner.
9. Comprehensive comparison should be made on burner brand, performance, price, service life and after-sales service.
10. The air pressure of the burner should be considered to overcome the resistance of the hot blast furnace body, as well as the resistance of the economizer and the flue gas system.

