

Hydrogen boiler burner



Hydrogen boiler burner product introduction:

Hydrogen boiler burner is a kind of industrial burner used in the boiler industry with hydrogen as fuel. Its main advantages are:

1. High temperature: 1100 °C (maximum temperature 1250 °C)
2. Wide range of load regulation:
3. Infrared combustion mode: 70-500kw/m²
Blue flame combustion mode: 500-20000kw/m²
4. Low resistance:
Infrared combustion mode: <50pa
Blue flame combustion mode: <200pa
5. Long service life: 20000h
6. High radiation efficiency: >50%
7. Uniform combustion
8. Small thermal inertia: quick heating and cooling
9. Thermal shock resistance: the material will not be damaged by the drastic change of thermal load
10. Mechanical impact resistance: a certain mechanical impact has no impact on the material
11. Complicated shape of burner can be designed

The main advantages of metal burner burner are:

1. Low CO: the CO emission is very low due to the complete premixed combustion and more sufficient combustion;
2. Low NOx: in infrared combustion mode, <10ppm
3. Low noise: it can achieve quiet combustion
4. High thermal efficiency: fully premixed combustion is adopted, with extremely low air excess coefficient, and the thermal efficiency is more than 10% higher than that of conventional burners

After-sales service during warranty period:

1. Turn-Key Solutions, including design, development, production.
2. Dispatch experts to carry out service on site:
 - L. Installation and debug of the machinery;
 - M. Train the first-line operators and technologies;
 - N. Carry out any other service client may need
3. Assist you to prepare for the first construction scheme;
4. Spare parts offer;
5. Provide technical exchanging;