

Waste liquid kiln burner



Characteristics of waste liquor kiln burner:

The waste liquid kiln burner is a kind of burner used in tunnel kiln, using waste liquid as fuel. The waste liquid burner developed by our company has the following characteristics:

1. The waste liquid nozzle uses air-assisted atomizing nozzle to improve atomization quality and uniformity.
2. whirl nozzles are used for fuel gas and combustion air to form a large gas return area, which improves flame stability and enhances the turbulence inside the furnace.
3. The waste liquid nozzle is set at the outer flame in front of the furnace, and sprayed into the furnace uniformly. The fuel gas return zone of the burner interacts with the waste liquid spray field, to promote mixing and accelerate the evaporation and decomposition of the waste liquid;
4. The inner nozzle of the burner is set as a retractable length, and the burner outlet uses refractory materials to form a flaring to improve combustion efficiency and flame stability;
5. The waste water spray cooling system is set after the waste liquid is fully decomposed. To ensure the full evaporation of waste water, an air-assisted atomizing nozzle is adopted.
6. Calorific value: Burners can be customized according to the calorific value of different supporting equipment. For example, if the equipment needs 100,000 kcal, a 100,000 kcal burner can be customized. Normally 15KW~200MW;
7. Power: Burners can be customized according to the power of the supporting equipment. For example, if the power of the equipment is 700kw, a burner with output of 700kw can be customized, can reach 15KW~200MW;
8. Furnace temperature and pressure: Structures of burners will be customized according to the supporting equipment furnace pressure (positive pressure or negative pressure, positive pressure requires the burner to overcome high pressure, negative pressure requires the burner to overcome low pressure) and temperature, and choose suitable materials;

Strict quality control system:

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

