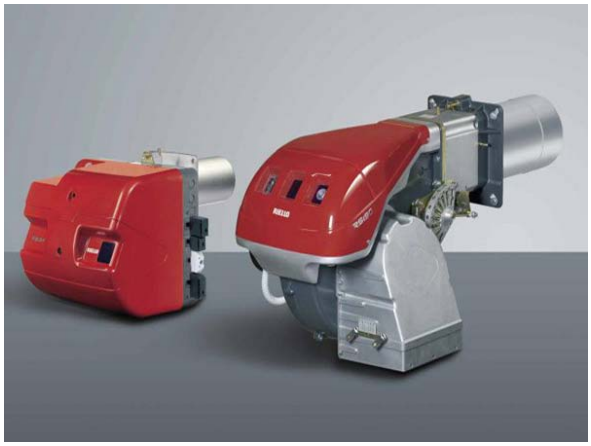
Waste liquid boiler burner



Waste liquid boiler burner product presentations:

Waste liquid boiler burner use waste liquid as fuel, it is a kind of burner for boiler industry. It has the following characteristics:

1. Strong adaptability: exhaust gas with low calorific value greater than 10[illegible]cal/NM3 or various fuel gases can be used as the burning heat source, and fuel oil can also be used as the burning heat source. There is no limit to the amount of organic matter in incinerators.
2. The incineration residual liquid can be atomized according to the specific conditions of the site: mechanical, steam, air mixed atomization
3. Large load regulation ratio, flexible burning capacity up to 10:1, simple and reliable operation;
4. The waste liquid spray gun can be coaxially mounted with the burner, or separately mounted on the incinerator barrel.
5. The size and shape of the furnace of boiler burner depend greatly on the nature of the fuel. The boiler combustion process is simple, combustion time is short, and thus the furnace volume is small. The boiler burner layout should be combined with furnace shape, considering flame is full, no flushing out the water wall; the gas boiler is generally arranged with one burner, the system is simple, convenient in operation and management, save investment.
6. Reasonable air distribution ensures stable and safe combustion of fuel. The air necessary for combustion supplied from the torch root, mix rapidly and evenly with oil mist to ensure complete combustion. Less harmful substances (CO, NOX, etc.) are generated in flue gas. It can make the air flow form a proper return zone, and make the fuel and air in a higher temperature field, so as to ensure rapid ignition and stable combustion.
7. The flame generated by combustion is in accordance with the shape of the furnace structure, and full. Flame temperature and blackness should be in line with the requirements of the furnace, should not make the flame flush the furnace wall, furnace bottom or extend to the convection heating surface.
8. Less energy required for combustion atomization. To achieve high combustion efficiency, the waste liquid burner should be regulated in a certain range, can atomize fuel oil well. The oil should be fine and uniform, with proper atomization angle. The oil mist should also be evenly distributed along the circumference, to increase the contact area with air.
9. Wide adjustment range to adapt to adjust the boiler load needs: When the boiler operates from the lowest load to the highest load, the burner can work stably without tempering or flame lifting.
10. Convenient in ignition, adjustment and other operations, safe, reliable and low running noise.
11. Low resistance of air regulator
12. Simple structure, compact, lightweight, reliable operation, easy to adjust and repair, and easy to achieve automatic control of the combustion process.

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