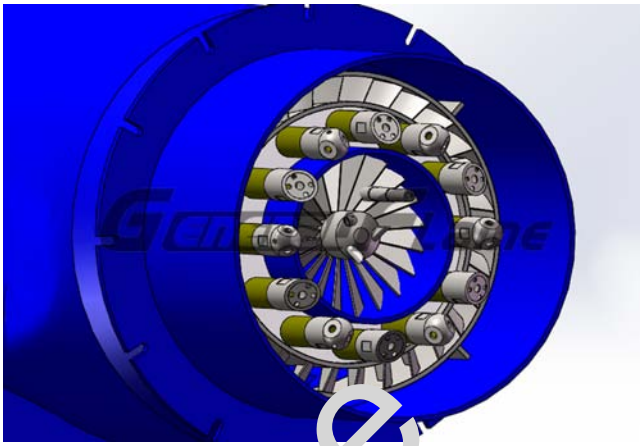
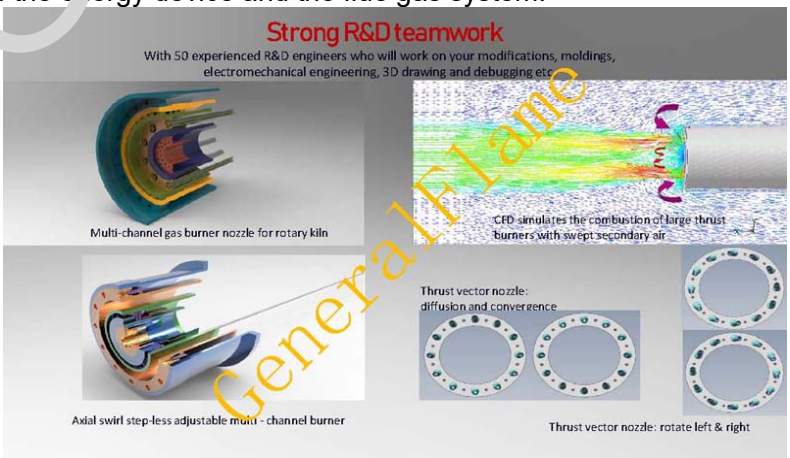
Vegetable oil boiler burner



The vegetable oil boiler burner shall be designed and manufactured according the following principles:

1. Essential analysis data of vegetable oil as fuel, such as calorific value, density, viscosity, flash point, mechanical impurity, ash content, freezing point, oil supply temperature and etc.
2. Select the atomization mode of nozzle of the burner according to the boiler performance and furnace structure
3. The output power of the burner should match with the rated output of the boiler. Select the shape of the flame, such as the length and diameter, to adapt to the structure of the furnace.
4. Wide adjustment range for burner, which can adapt to the needs of boiler load changes, and ensure the complete and stable combustion under different working conditions.
5. Less energy consumption by fuel atomization and less resistance of air regulator.
6. Flue gas emission and noise impact must meet the requirements of environmental standards, mainly S02, CO and NOx emissions must be lower than the national regulations, should choose low NOx and low noise burner.
7. The burner can be assembled in two ways: integral type and split type. The integral type is: burner body, burner fan and combustion system (including oil pump, solenoid valve, servo motor, etc.) are integrated; The split type is: burner body (including burner head, fuel oil or gas system), burner fan and burner control system (including control box, fan thermal relay, AC contactor, etc.) are independent systems. Select according to the specific situation of the boiler and users' requirements.
8. Select the burner with simple structure, reliable operation, easy to adjust/control/repair, and easy to realize automatic control of combustion process.
9. The air pressure of the burner should be considered to overcome the resistance of the boiler itself, as well as the resistance of the energy device and the flue gas system.



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