

## **Pure steam generator composition**

Pure steam generator is a kind of equipment commonly used in pharmaceutical, chemical, food and other industries, mainly used to produce high purity, stable pressure steam. Its main components include:

1. Steam generator body: it is the core part of the pure steam generator, using the heater to convert water into steam, so as to provide the steam energy needed by the process. The generator body is generally made of high quality stainless steel material to ensure high corrosion resistance of the equipment and thus prolong the service life.
2. Heater: The heater is the auxiliary equipment of the generator body. Its main function is to heat up the water and gradually convert it into steam. The heater generally uses the electric heater or the gas heater, which can be selected according to the actual demand.
3. Steam discharge pipeline: When the steam generator produces steam, it needs to transport the steam to the desired place through a certain pipeline. To ensure the safety and stability of the steam, a high-quality steam discharge line should be selected.
4. Control system: The control system is responsible for monitoring and controlling the whole operation process of the equipment, including the starting and closing of heaters, monitoring of water level, regulation of steam pressure, etc. The control system is the brain of the entire device,

which can ensure the safety and stability of the device operation.

5. Other accessories: In addition to the above several main components, the pure steam generator may also include

Some other auxiliary equipment, such as heater water tank, water pump, water pressure sensor, etc., can improve the work efficiency and convenience of the generator.

Pure steam generator is a key equipment, and its work efficiency and performance stability play a crucial role in the successful realization of the whole process process. Therefore, in the selection and use of pure steam generator, according to the actual process requirements, from many aspects to ensure that the equipment meets the market standards, and has high safety and stability.