

portable autoclave constructed with 304 stainless steel

Portable autoclave is a kind of equipment that sterilizes by high-temperature and high-pressure steam, which is widely used for small equipment and tools that need to be sterilized and disinfected.

This portable autoclave sterilizer is made of SUS304 stainless steel, with the advantages of high temperature and corrosion resistance, suitable for use in a variety of environments.

Main Features of the Portable Autoclave

1. high strength material: the equipment shell is made of SUS304 stainless steel, with corrosion resistance and durability, able to withstand high temperature and high pressure environments, to ensure long-term stable use.
2. accurate pressure control: equipped with a double scale type II reading pressure gauge, to ensure that the operator can clearly understand the pressure inside the equipment, accurate control of the sterilization process.
3. double safety protection: the equipment is equipped with double safety valve design, to ensure that in the event of anomalies, the pressure can be automatically released to avoid danger, to provide additional security.



4. efficient sealing system: the use of silicone seals to ensure that the steam is completely sealed inside the equipment to prevent the leakage of high-temperature steam to improve the sterilization effect.
5. convenient drainage design: high-pressure faucet can be discharged after sterilization of water, convenient for operators to carry out subsequent cleaning, improve operational efficiency.

Advantage

1. convenient and easy to use: the equipment is small in size and light in weight, suitable for portable use, no need for complex installation and operation, suitable for a variety of occasions requiring efficient sterilization.
2. efficient sterilization: working temperature up to 129 °C, can effectively kill bacteria, viruses and other pathogens, to ensure the reliability of the sterilization effect.
3. safe and reliable: double safety valves and silicone seals designed to enhance the safety of the equipment to prevent equipment failure caused by steam leakage or excessive pressure and other issues.
4. environmental protection and energy saving: high-efficiency design enables the equipment to quickly reach high temperatures and save energy, improving the overall operational efficiency.

Working Principle

Portable autoclave sterilizes items by means of high temperature and high pressure steam. When the equipment is heated to a set temperature of 129°C, the steam is pressurized in a sealed environment to ensure that high temperatures are reached on the surface and inside of all sterilized items, thus effectively killing bacteria, viruses and other pathogenic microorganisms. The equipment's dual safety valves and silicone seals work together to ensure the safety of the sterilization process, preventing steam leaks and accidents. After the sterilization is completed, the high-pressure faucet discharges the end-of-sterilization water to ensure that the equipment is clean and pollution-free.

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Model	PA1-18	PA1-24	PA1-30
Capacity	18L	24L	30L
Maximum Operating Temperature	129°C		
Maximum Operating Pressure	0.165Mpa		
Sterilization Chamber Dimensions	diameter 300x330mm	diameter 300x460mm	diameter 300x520mm

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Model	PA1-18	PA1-24	PA1-30
Power Supply	220Vac, 50Hz, 2.0kw	220Vac, 50Hz, 2.0kw	220Vac, 50Hz, 2.0kw