

### **portable coal and electric heated pressure steam sterilizer**

Portable coal and electric heated pressure steam sterilizer is made of SUS304 stainless steel with compact design, which is widely used in the field that requires high temperature and high pressure sterilization.

Portable coal and electric heated pressure steam sterilizer heats up quickly and efficiently through two heating methods, coal and electricity, which can be switched flexibly according to the environment and actual needs. Whether in remote areas, temporary medical facilities, or laboratories, it provides a convenient sterilization solution.

#### **Main Features of Portable Coal and Electric Heated Pressure Steam Sterilizer**

1. Dual heating mode: provide both coal and electric heating functions to adapt to different use environments. Use electric heating in places with sufficient power supply, and use coal heating in occasions lacking power, with flexibility.
2. high-quality stainless steel: SUS304 stainless steel, high temperature resistance, corrosion resistance, to ensure the durability of the equipment and long-term stability of use.



3. accurate pressure control: equipped with double scale two reading pressure gauge, can accurately monitor the internal pressure, to ensure that the operation process pressure is maintained within the safety range.
4. Safety Protection Design: Built-in double safety valves provide a double protection mechanism to prevent over-pressure accidents and ensure the safety of equipment and personnel.
5. anti-leakage steam sealing system: the use of silicone sealing ring, effectively preventing the leakage of steam, enhance the sealing of the equipment, reduce energy waste.
6. overload protection: with anti-dry burn protection, overheating resistance protection and overcurrent protection, to ensure that the equipment can work safely under any circumstances, to avoid damage or danger to the equipment due to overload or other abnormal conditions.
7. easy to operate: equipment design is simple, easy to operate, the user only needs a simple setup, you can complete the sterilization task, suitable for a variety of technical levels of operators.
8. The working temperature can reach 129°C.

## **Working Principle**

Portable coal and electric heated pressure steam sterilizer realizes sterilization through high temperature and high pressure steam. The heating system adopts both coal and electric heating modes, and the suitable heating mode is selected according to the usage environment and demand. In electric heating, the water is heated to the required temperature by the electric heating element. In coal heating, the water in the steam chamber is heated by burning coal to produce high-temperature and high-pressure steam. Steam is continuously applied inside the sealed chamber, and the internal pressure is monitored by a double graduated pressure gauge to ensure stable pressure and temperature during the sterilization process. Built-in silicone seals prevent steam leakage, ensuring efficient heat transfer and sterilization. Dual safety valves provide double protection for the equipment, avoiding the danger caused by high pressure.

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<b>Model</b>	<b>PA2-18</b>	<b>PA2-24</b>	<b>PA2-30</b>
Capacity	18L	24L	30L
Maximum Operating Temperature	129°C		
Maximum Operating Pressure	0.165Mpa		
Sterilization Chamber Dimensions	diameter 300x330mm	diameter 300x460mm	diameter 300x520mm
Power Supply	220Vac, 50Hz, 2.0kw	220Vac, 50Hz, 2.0kw	220Vac, 50Hz, 2.0kw