

Vertical Steam Sterilizer Autoclave

Sterilization Perfected, Safety Ensured



■ Introduction

The manual controlled vertical sterilizer is a compact, floor standing sterilization unit utilizing high-temperature, high-pressure steam.

Ideal for a range of applications, it efficiently sterilizes fabrics, tools, rubber items, and various packaged foods (including canned, bottled, and soft-bag items). This versatile equipment is perfectly suited for pharmaceutical, food, and medical biological laboratories, as well as biomedical research institutes. It's a reliable choice for institutions at all levels seeking efficient and thorough sterilization solutions.

■ Application

Our Vertical Sterilizer is designed to accommodate a wide range of sterilization needs across medical and laboratory settings. Its versatility makes it an ideal solution for various load types:

Porous load: Fabrics, sterile gowns, wrapping equipment, filters, rubber, etc.

Hard load: Tools, Luminal instrument, glassware, metal containers, etc

Liquid load: Non-sealed liquids such as culture media



■ Features

- **Premium stainless Steel Construction:** Sterilization chamber of AISI 316 stainless steel.
- **Quick-opening structure:** Top loading, horizontal sliding quick-opening structure, self-expanding seal, simple operation
- **Built-in a variety of programs:** Built-in fabric, instruments, rubber, liquid, custom and other sterilization programs
- **Intelligent control system:** Microcomputer program automatic control, LED digital display working status, touch key. Sterilization process dynamic digital display, failure digital code alarm.
- **Accurate temperature control:** thermocouple sensor with stainless steel sheath in the sterilization chamber
- **Over-temperature automatic protection:** thermostat is utilized, when the temperature exceed the set point, the system will automatically cut off the heating power supply, and give sound and light alarm.
- **Anti-dry burning protection:** when the water level is low and the heating tube is dry burning, the system will cut off the heating power supply automatically and give an audible and visual alarm.
- **Door safety interlock:** Isolated sterilisation chamber only when the door is closed in place, the power supply can be switched on to generate steam. If there is pressure in the chamber, the door won't open.
- **Over pressure relief valve:** When the opening pressure of the relief valve exceeds, the relief valve opens and relives pressure.
- **Heat preservation and heat insulation cover:** the door cover made of heat preservation and heat insulation material is isolated, which can prevent the operator from scalding
- **Power supply stability:** Protections against overvoltage and overcurrent line condition.



High quality stainless steel chamber



Stainless steel basket



Control panel

■ Specification

Model	UVAC-80I
Type	Vertical
Capacity(L)	80
Dimension(W×D×H, mm)	546×688×1030mm
Chamber (mm)	386×695mm
Design temperature	150 °C
Sterilization temperature range	105 °C ~138 °C
Dissolution temperature	40 °C ~100 °C
Dissolution time	0~72 hours
Holding temperature	40 °C ~60 °C
Holding time	0~72 hours
Design pressure	0.3MPa
Max. working pressure	0.23MPa
Chamber material	SUS316 stainless steel
Basket	Stainless steel sterilizing basket
Power supply	Single phase , AC 220V 50/60Hz 4.2Kw
Weight	75Kgs
Accessories	Pressure and water level control sensors Transport trolley with fitting rack for the baskets Stainless steel buckets with a lid Electric heating element Fuses Gaskets for the door of working chamber Chemical indicator tape, biological indicators



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