

**VERTICAL AUTOCLAVE
CLASS B**



PRISTON-B/T

WORLDWIDE CERTIFICATIONS
THAT GUARANTEE ITS QUALITY



Quality Management
Management System

ISO 9001 : 2015

VERTICAL STEAM AUTOCLAVE

PRODUCT INTRODUCTION

PRISTON-B/T is a top-loading Class B automatic vertical autoclave. As a kind of high pressure sterilizer, it uses steam as the sterilization medium, which is fast, safe and economical.

The PRISTON-B/T has a sterilization chamber made of AISI-316 stainless steel and a chassis (outer cover) made of SUS-304 stainless steel.

Used for sterilization of deformed or unwrapped instruments, cloths, utensils, culture media, unsealed liquids, etc..



GENERAL CHARACTERISTICS

- **Built-in open-type water tank**

The open type water tank facilitates cleaning. It is available for continuous operation with manual water filling once, until a reminder to replace water is received (no fixed water connection). It has independent water monitoring and control modules in the water tank and steam generator, ensuring sufficient water level and quality, while providing qualified steam to the chamber and keeping the cycle running stably.

- **New display interface**

LCD touch screen can display temperature, pressure, time, running process, error and alarm information, etc. The sterilization information is more obvious and easier to observe the running status.

- **Multiple safety protection devices**

Automatic over-temperature protection device, multiple control and protection for steam generator, door safety interlock protection against opening while under high pressure and over-pressure protection through safety valve which detects when the pressure is reaching its maximum, the valve opens and releases pressure from the chamber avoiding over-pressure limit.

- **Automatic door structure**

Our equipment adopts safe door structure with manual opening, fast and simple operation, which protects operators from burns. PRISTON-B/T adopts pressing and sealing technology to the door contour, which is more reliable and durable. The equipment has a pressure indicator to indicate that the chamber is free of steam and it is safe to open the door.

It also has a sensor on the door that emits an alarm when the door is open or improperly closed.

- **Efficient vacuum**

Automatic air vacuum system, low working noise, the lower vacuum limit can reach more than -90 kPa, high speed vacuum through air discharge purge valve, perfect drying performance.

- **A variety of programs**

Sterilization programs: Unwrapped, Wrapped, Rubber, Textile, Liquid, Solid, Metal and Ceramic Instruments, Performance test programs: Bowie & Dick and Vacuum test.

It can sterilize culture samples in open or closed glass vials with lids. In addition to liquids such as buffered water and polyphenylsulfone bagged funnels.

- **Auxiliary Program:** Pre-heating, Drying, Washing

- **Efficient steam generator**

PRISTON-B/T adopts energy storage type steam generator built directly into the sterilization chamber, which produces steam at high speed and in good quantity..

- **Other features**

Pulse vacuum, heating, sterilization, sterilization, exhaustion, fully automatic vacuum drying, fully digital time and temperature regulation from its control panel, and acoustic and visual alarms to warn of abnormalities in the sterilization process.

Highlights:

Efficiency



Use of intelligent, high-performance systems components (such as instantaneous steam generator and high-efficiency vacuum pump), which provide a fast sterilization cycle. rapid sterilization cycle.

Safety



Temperature and pressure overload protection system. Pressure and temperature overload protection system; uses mechanical and electronic safety electronic safety door locking system.

For any type of load



The Class B steam sterilizer can be used for the sterilization of sterilize any load in 12, 14, 16 and 20 liter wire mesh or non-perforated baskets, such as hollow, porous or solid instruments. such as hollow, porous or solid instruments.

Digital Control Interface



Thanks to its large LCD touch screen and its automatic microprocessor control system, it is precise and easy to use.

Data printing and exporting (optional)



Equipped as standard with an internal memory capable of storing more than 10,000 cycles and cycle over 10,000 cycles and cycle reports can be automatically stored can be automatically saved via the USB driver and/or USB driver and/or printed on a built-in thermal printer.



Various types of load and baskets stainless steel baskets

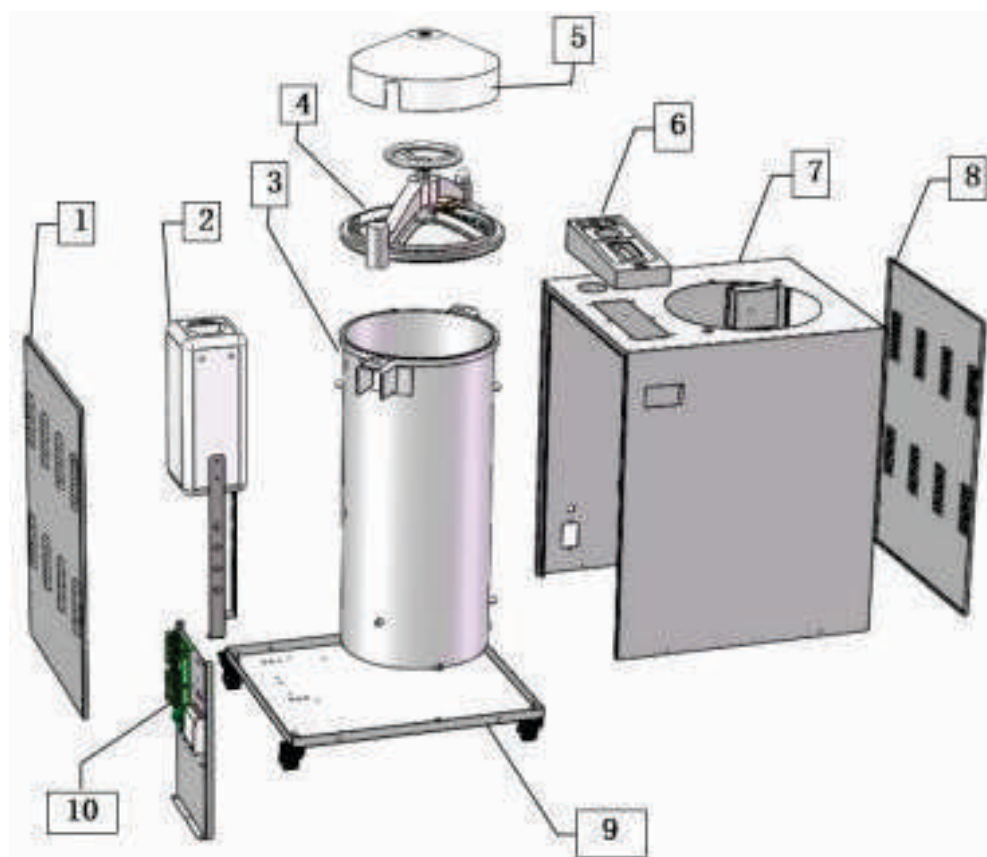


Digital Control Interface with LCD Touch Screen

Technical Parameters

CHARACTERISTICS	MODEL	PRISTON-50B/T	PRISTON-60B/L	PRISTON-80B/H
Chamber capacity (total / usable)		50 L	80 L	100 L
Usable chamber dimension Ø x D		Ø316 x 667 mm	Ø358 x 695 mm	Ø440 x 917 mm
Independent water tank volume		8 L	12 L	15 L
External dimensions L x W x H (mm)		476 x 610 x 990	1000 x 650 x 1200	1400 x 650 x 1600
Adjustable pressure (Mpa)		0.22 a 0.26	0.22 a 0.26	0.22 a 0.26
Adjustable sterilization time		1 - 99 min	1 - 99 min	1 - 99 min
Adjustable sterilization temperature		105 °C / 134 °C	105 °C / 134 °C	105 °C / 134 °C
Power		3000 / 4200 W	3600 / 5400 W	4200 / 6800 W
Power requirement (single phase)		220V / 50/60 Hz	220V / 50/60 Hz	220V / 50/60 Hz
Gross weight		65 - 85 kg	75 - 95 kg	90 - 110 kg

PRISTON-B/T sterilizer parts diagram:



- 1 Left cover
- 2 Water tank
- 3 Chamber
- 4 Door
- 5 Door cover

- 6 Control panel
- 7 Outer cover
- 8 Side cover
- 9 Lower components
- 10 Electrical components

Optional accessories:



Thermal paper rolls



Stainless steel baskets
(for class B autoclaves)



Short gloves for
high temperatures



Rubber gasket
for autoclave door
50 L, 80 L and 100 L



Thermal printer



Drain hose



Liquid collecting tray



Stainless steel tubes
for petri dishes



Schimmelbusch drum in
stainless steel

Certifications:

- ISO 9001:2015 - Quality Control
- ISO 13485:2012 - Quality control of medical equipment

Directives:

- 93/23/EC - Pressure equipment
- 93/42/EEC - Medical devices (class II b)

Regulations:

- EN 13060 - Concerning small steam sterilizers
- EN 61010-1 - Safety regulations for laboratory devices.
- EN 61010-2-040 - Safety standard for sterilizers used in the processing of medical devices.
- EN 61326-1 - Electromagnetic compatibility standard for laboratory devices.

