

HIGH PERFORMANCE VERTICAL AUTOCLAVE



High Performance Vertical Autoclave - ToronClave™ VHP Series

Autoclave performance matters when you need dependable steam sterilization for larger routine loads in laboratories, clinics, and institutional environments. The ToronClave™ VHP Series is a High Performance Vertical Autoclave Machine series designed for sterilizing instruments, dressings, glassware, and culture media with saturated steam under pressure, and the ToronClave™ VHP Series range has an economical vertical sterilizer line with 29 L, 50 L, 75 L, and 100 L chamber options.

This series combines SUS304 stainless steel construction, microcomputer intelligent control, a handwheel quick-open lid, and a self-expanding seal ring to support stable daily sterilization work. A maximum working temperature of 135°C, maximum working pressure of 0.22 MPa, and vertical chamber designs suited to users who need more capacity than compact portable units.

ToronClave™ VHP Series is a floor-standing vertical steam sterilizer series built for moist-heat sterilization of common medical and laboratory items. It uses pressurized saturated steam to process reusable loads quickly and is intended for users who need more chamber space, stronger capacity, and straightforward sterilization control in one system.

The High Performance Vertical Autoclave series highlights SUS304 chamber construction, a handwheel quick-open cover, automatic cold-air exhaust, low-water protection, over-temperature protection, and pressure safety interlock features. This instrument is a High Performance Vertical Autoclave with a 50 L chamber, 3.2 kW power, and 220 V / 50 Hz supply.

APPLICATIONS

High Performance Vertical Autoclave - ToronClave™ VHP Series Applications

- Medical and Clinical Instruments: this Autoclave Machine is suitable for sterilizing reusable medical tools and related clinical items. Appropriate for sterilizing medical equipment, dressings, glassware, and culture media.
- Laboratory Glassware: ToronClave™ VHP Series can be used for routine sterilization of laboratory glassware in research, testing, and educational settings. Its larger vertical chamber makes it more suitable for facilities handling repeated sterilization cycles with more volume per run.
- Culture Media: this makes the series suitable for microbiology, biology, and general laboratory preparation workflows.
- Institutional and Research Work: Because the series offers multiple chamber sizes from 29 L to 100 L, it fits a broader range of scientific, educational, and institutional sterilization tasks where a compact portable unit may not provide enough capacity.



FEATURES

High Performance Vertical Autoclave - ToronClave™ VHP Series Key Features



SUS304 stainless steel chamber construction.

Handwheel quick-open lid design.





Vertical floor-standing format with caster-supported movement.

Equipped with a G1/2A internal thread sample test hole.



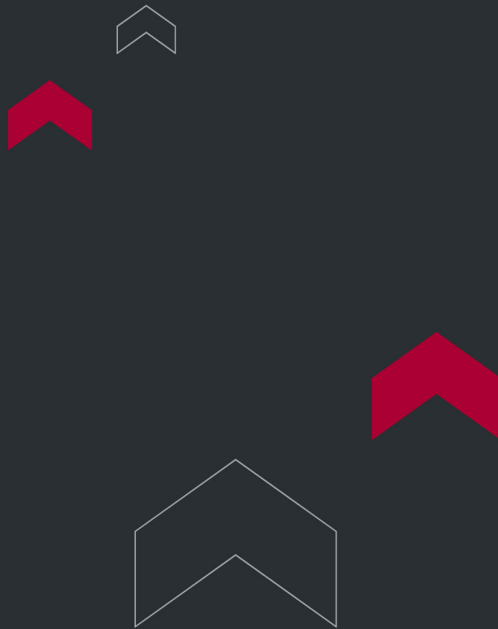


Automatic cold-air exhaust.

- Microcomputer intelligent control.
- Self-expanding sealing ring.
- Low-water protection with self-control when water is insufficient.
- Automatic self-exhaust when over pressure occurs.
- Pressure safety interlock.
- Over-temperature protection.
- End-of-cycle buzzer reminder.
- Available in multiple chamber capacities from 29 L to 100 L.

High Performance Vertical Autoclave - ToronClave™ VHP Series Technical Specification

Parameter	ToronClave™ VHP 29	ToronClave™ VHP 50	ToronClave™ VHP 75	ToronClave™ VHP 100
Volume	29 L	50 L	75 L	100 L
Power	2.3 kW	3.2 kW	3.5 kW	3.5 kW
Voltage	220 ±10%, 50 ±2% (110V is also available)			
Max. Working / Design Temperature	135 / 139°C			
Max. Working / Design Pressure	0.22 / 0.25 MPa			
Timer Range	4-120 min			
Internal Dimensions	Ø300 × 485 mm	Ø400 × 630 mm	Ø400 × 720 mm	Ø400 × 830 mm
Housing Dimensions (W × D × H)	445 × 445 × 900 mm	485 × 485 × 1120 mm	485 × 485 × 1190 mm	485 × 485 × 1290 mm
Basket Dimensions	Ø280 × 340 mm	Ø360 × 230 mm	Ø360 × 270 mm	Ø360 × 230 mm
Number of Baskets	1	2	2	3
Net Weight	54 kg	68 kg	71 kg	75 kg
Gross Weight	64 kg	82 kg	85 kg	89 kg
Package Size	570 × 570 × 1060 mm	610 × 610 × 1290 mm	610 × 610 × 1360 mm	610 × 610 × 1490 mm



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