



ULTIMATE COMPLIANCE VERTICAL AUTOCLAVE

Ultimate Compliance Vertical Autoclave - ToronClave™ VUC

Autoclave performance matters when you need dependable steam sterilization for medium to high daily loads in laboratories, clinics, and institutional facilities. ToronClave™ VUC is a Ultimate Compliance Vertical Autoclave Machine series designed for sterilizing instruments, dressings, glassware, and culture media with saturated steam under pressure, and the ToronClave™ VUC-A and ToronClave™ VUC-B series as practical-capacity vertical units available in 50 L, 75 L, and 100 L chamber sizes.

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.

ToronClave™ VUC is a floor-standing vertical steam sterilizer series built for moist-heat sterilization of common medical and laboratory loads. It uses pressurized saturated steam to process reusable items quickly and is intended for users who need more chamber capacity than compact portable models while keeping operation straightforward.

The ToronClave™ VUC-A series focuses on practical steam sterilization with microcomputer control, automatic cold-air exhaust, low-water protection, and pressure safety functions. The ToronClave™ VUC-B series adds a drying function and sterilization-plus-drying workflow, making it a stronger fit for users who want the convenience of post-cycle drying in the same unit.

APPLICATIONS

Ultimate Compliance Vertical Autoclave - ToronClave™ VUC Applications

- Medical and Clinical Instruments: this Autoclave Machine is suitable for sterilizing reusable medical instruments and related clinical items. This product class is appropriate for medical equipment, dressings, glassware, and culture media.

- Laboratory Glassware: ToronClave™ VUC can be used for routine sterilization of laboratory glassware in research, testing, and educational settings. Its larger vertical chamber sizes make it suitable for facilities handling repeated sterilization cycles with more volume per run.
- Culture Media: this series suitable for microbiology, biology, and general laboratory preparation workflows.
- Institutional and Research Work: because the series offers 50 L, 75 L, and 100 L capacities, it fits scientific, educational, and institutional sterilization tasks where more chamber space and higher throughput are needed.



FEATURES

Ultimate Compliance Vertical Autoclave - ToronClave™ VUC Key Features



SUS304 stainless steel chamber construction.

Microcomputer intelligent control.



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

Automatic self-exhaust when over pressure occurs.



- Handwheel quick-open lid design.
- Self-expanding sealing ring.
- Automatic cold-air exhaust.
- Low-water protection with self-control when water is insufficient.
- Pressure safety interlock.
- Over-temperature protection.
- End-of-cycle buzzer reminder.
- ToronClave™ VUC-B series includes a drying function.
- ToronClave™ VUC-B series includes inner circulation exhaust.
- ToronClave™ VUC-A series supports three process modes: heating-sterilization-quick exhaust, heating-sterilization-slow exhaust, and heating-sterilization-no exhaust.

- ToronClave™ VUC-B series supports three process modes: sterilization-natural cooling, sterilization-automatic exhaust, and sterilization-exhaust-drain-drying.

TECHNICAL SPECIFICATIONS

Ultimate Compliance Vertical Autoclave - ToronClave™ VUC Technical Specification

Parameter	ToronClave™ VUC-A50	ToronClave™ VUC-A75	ToronClave™ VUC- A100	ToronClave™ VUC-B50	ToronClave™ VUC-B75	ToronClave™ VUC- B100
Volume	50 L	75 L	100 L	50 L	75 L	100 L
Power	2.7 kW	3.5 kW	3.5 kW	3.2 kW	3.5 kW	3.5 kW
Drying Power	—	—	—	0.8 kW	1 kW	1 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 × 755 mm	Ø400 × 700 mm	Ø400 × 830 mm	Ø400 × 640 mm	Ø400 × 720 mm	Ø400 × 850 mm
Housing Dimensions (W × D × H)	445 × 525 × 1120 mm	485 × 505 × 1175 mm	485 × 505 × 1290 mm	485 × 505 × 1125 mm	485 × 505 × 1195 mm	485 × 505 × 1290 mm
Basket Dimensions	Ø280 × 210 mm	Ø360 × 270 mm	Ø360 × 230 mm	Ø360 × 230 mm	Ø360 × 270 mm	Ø360 × 230 mm

Parameter	ToronClave™ VUC-A50	ToronClave™ VUC-A75	ToronClave™ VUC- A100	ToronClave™ VUC-B50	ToronClave™ VUC-B75	ToronClave™ VUC- B100
Number of Baskets	3	2	3	2	2	3
Net Weight / Gross Weight	68 / 80 kg	77 / 91 kg	83 / 98 kg	85 / 97 kg	90 / 106 kg	95 / 114 kg
Package Size	570 × 650 × 1240 mm	610 × 730 × 1340 mm	610 × 730 × 1490 mm	610 × 730 × 1290 mm	610 × 730 × 1360 mm	610 × 730 × 1490 mm



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