



INTELLIGENT VERTICAL AUTOCLAVE

Intelligent Vertical Autoclave - ToronClave™ VI

Autoclave performance matters when you need dependable steam sterilization with stronger automation, safer operation, and larger chamber capacity. ToronClave™ VI is a performance-type Intelligent Vertical Autoclave Machine series designed for sterilizing instruments, dressings, glassware, and culture media with saturated steam under pressure. The ToronClave™ VI 60 model presents this class as a laboratory vertical flip-top autoclave with a 60 L chamber, 220 V power supply, and a maximum sterilization temperature of 135°C.

This series is built for laboratories, clinics, and institutional users that need programmable control, wide process flexibility, and layered safety functions in a vertical format. The ToronClave™ VI series has two models which is ToronClave™ VI 60 and ToronClave™ VI 85, with chamber volumes of 60 L and 85 L.

ToronClave™ VI is a floor-standing vertical steam sterilizer series developed for moist-heat sterilization of common medical and laboratory loads. It uses saturated steam under pressure to sterilize reusable items quickly, while the ToronClave™ VI configuration adds broader control logic, parameter compensation, customizable cycle settings, and enhanced safety monitoring.

The BRIGHT I operating system can automatically compensate parameter values according to environmental changes. This models configured with a flip-top door opening structure, a stainless steel inner container and process, melting and heat-preservation programs, historical curve display, and multi-level password management for process control.

APPLICATIONS

Intelligent Vertical Autoclave - ToronClave™ VI Applications

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

media.

- Laboratory Glassware: ToronClave™ VI can be used for sterilizing laboratory glassware in research, testing, and educational settings. Its vertical chamber and multi-basket configuration make it practical for facilities handling repeated sterilization cycles.
- Culture Media: this model is also positioned for culture media sterilization, which makes the series suitable for microbiology, biology, and general laboratory preparation workflows.
- Research and Institutional Work: because the series offers 60 L and 85 L chamber capacities with programmable control and multiple reserved programs, it fits research facilities, institutional sterilization rooms, and laboratories that need repeatable cycle management and more advanced operation than basic vertical units.



FEATURES

Intelligent Vertical Autoclave - ToronClave™ VI Key Features

- BRIGHT I operating system with automatic parameter compensation based on environmental changes.
- HD color LCD touch screen showing time, sterilization procedure, working status, diagrams, alarm information, and other key parameters on one screen.
- Flip-top door opening structure with mechanical self-locking and electronic interlocking double protection.
- Upper cover with integrated high-polymer anti-ironing cover.
- Stainless steel inner vessel and process construction.
- Built-in sterilization programs plus melting and heat preservation programs.
- Sterilization procedure can be set to start with the sample temperature.
- Multi-level password management.
- Three-point temperature calibration support for both sterilization temperature and sample temperature, with manual correction when deviation occurs.
- Boiling points can be set for high-altitude use.
- Adjustable door opening temperature to improve operational safety.
- One-key steam drainage when sterilization is complete.
- With Gregorian calendar reservation operation function.
- Six-level pressure relief setting for quicker post-cycle cooling.
- Historical temperature curves for cavities and sample temperature can be viewed.
- Six-level cold-air discharge procedure to help ensure complete air removal.
- Water-level detection probe and anti-dry burning probe double protection.
- Fault detection, over-temperature protection, over-pressure self-leakage protection, anti-hot protection, overload protection, short-circuit protection, leakage protection, and independent electronic overvoltage protection.

TECHNICAL SPECIFICATIONS

Intelligent Vertical Autoclave - ToronClave™ VI Technical Specification

Parameter	ToronClave™ VI 60	ToronClave™ VI 85
Volume	60 L	85 L
Drum Diameter	400 mm	
Voltage	220 ±10%, 50 ±2% (110V is also available)	
Environment Temperature	5-40°C	
Environment Humidity	20-80% RH	
Power	3.2 kW	3.6 kW
Sterilization Temperature	105-135°C	
Temperature Fluctuation	< ±1°C	
Temperature Uniformity	≤ ±1°C	
Melting Temperature	50-100°C	60-100°C
Heat Preservation Temperature	40-60°C	
Sterilization Timer Range	0-240 min	
Melting Timer Range	0-600 min	0-6000 min
Heat Preservation Timer Range	0-600 min	0-6000 min
Reservation Range	99 h 59 min	
Design Pressure	0.28 MPa	
Working Pressure	0.212 MPa	
Housing Dimensions (W × D × H)	550 × 588 × 830 mm	550 × 588 × 1040 mm

Parameter	ToronClave™ VI 60	ToronClave™ VI 85
Cavity Size	Ø380 × 555 mm	Ø380 × 765 mm
Basket Dimensions	Ø350 × 225 mm	Ø350 × 200 mm
Number of Baskets	2	3



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