

HIGH THROUGHPUT VERTICAL AUTOCLAVE



High Throughput Vertical Autoclave - ToronClave™ VHT

Autoclave capacity and control matter when you need repeatable steam sterilization for larger daily workloads. ToronClave™ VHT is a performance-type High-Throughput Vertical Autoclave Machine series designed for sterilizing instruments, dressings, glassware, and culture media with saturated steam under pressure, and the ToronClave™ VHT has range that larger-capacity laboratory vertical sterilizers.

This series is built for laboratories, clinics, and institutional environments that need more chamber volume, programmable operation, and stronger control functions than basic vertical units. This series has three models in the series, ToronClave™ VHT 60, ToronClave™ VHT 85, and ToronClave™ VHT 110, with chamber capacities of 60 L, 85 L, and 110 L.

ToronClave™ VHT is a floor-standing vertical steam sterilizer series developed for moist-heat sterilization of common laboratory and medical loads. It uses saturated steam under pressure to sterilize reusable items quickly while giving users a larger chamber, touch-button operation, and programmable process control for routine sterilization work.

This model has a PMMA II microcomputer intelligent operating system, a touch-screen style control panel for viewing operating parameters and status, and preset plus custom programs for process management. It also shows pressure display, one-key electric drainage, independent overvoltage protection, and a built-in rapid cooling arrangement that combines a condenser, air cooling, and secondary water cooling.

APPLICATIONS

High Throughput Vertical Autoclave - ToronClave™ VHT Applications

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

- Laboratory Glassware: ToronClave™ VHT can be used for sterilizing laboratory glassware in research, testing, and educational settings. Its larger vertical chamber sizes make it useful for facilities that process repeated loads and need more volume per cycle.
- Culture Media: this makes the series suitable for microbiology, biology, and general laboratory preparation workflows.
- Research and Institutional Work: because the series offers 60 L, 85 L, and 110 L capacities, it fits scientific, educational, and institutional sterilization tasks where a smaller portable autoclave would not provide enough throughput.



FEATURES

High Throughput Vertical Autoclave - ToronClave™ VHT Key Features



Anti-hot protection

PMMA II microcomputer intelligent operating system





Waterproof socket

Touch-screen style interface for real-time viewing of operating parameters and working status





Two 485 communication ports and G1/2A standard test pipe thread holes

Handwheel quick-open lid structure with dual protection against pressure and self-locking





Rapid cooling system with condenser, air cooling, and secondary water cooling

- Positive pressure pulse and fixed cold-air discharge procedure
- 8 preset programs plus 6 custom programs
- Optional post-sterilization pressure relief stage
- Three-level authority management
- Hot design with insulation styling
- Drying / melting / hold-temperature reservation function
- One-key electric drainage
- Boiling-point setting function
- Fault detection function
- Over-temperature shutdown protection
- Water cut-off protection

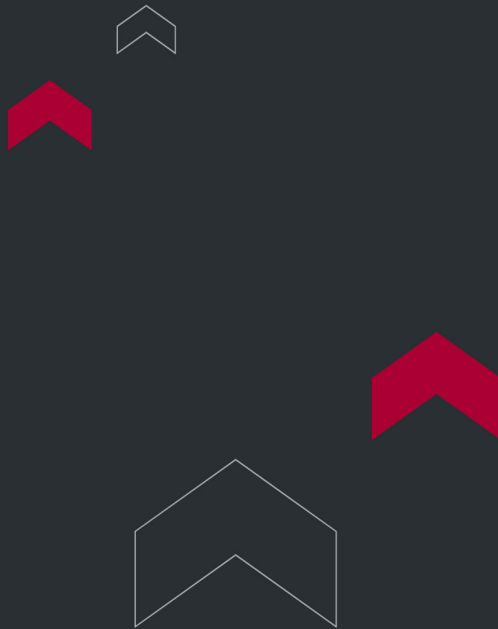
- Overpressure self-relief protection
- Overload protection
- Short-circuit protection
- Leakage protection
- Independent electronic overvoltage protection
- Multiple built-in safety protections throughout the system

TECHNICAL SPECIFICATIONS

High Throughput Vertical Autoclave - ToronClave™ VHT Technical Specification

Parameter	ToronClave™ VHT 60	ToronClave™ VHT 85	ToronClave™ VHT 110
Volume	60 L	85 L	110 L
Internal Dimensions	400 × 635 mm	400 × 725 mm	400 × 835 mm
Voltage	220 ±10%, 50 ±2% (110V is also available)		
Environment Temperature	5-40°C		
Environment Humidity	20-80% RH		
Power	3.2 kW	3.5 kW	3.5 kW
Sterilization Temperature	105-135°C		
Temperature Fluctuation	≤±1°C		
Temperature Uniformity	≤±1°C		
Melting Temperature	50-100°C		

Parameter	ToronClave™ VHT 60	ToronClave™ VHT 85	ToronClave™ VHT 110
Heat Preservation Temperature	40–60°C		
Sterilization Timer Range	0–120 min		
Melting Timer Range	0–6000 min		
Heat Preservation Timer Range	0–6000 min		
Reservation Timer Range	0–6000 min		
Design Pressure	0.38 MPa		
Working Pressure	0.22 MPa		
Pressure Gauge Indicating Range	0–0.4 MPa		
Housing Dimensions (W × D × H)	535 × 640 × 1075 mm	535 × 640 × 1165 mm	535 × 640 × 1275 mm
Basket Dimensions	Ø360 × 230 mm	Ø360 × 270 mm	Ø360 × 230 mm
Number of Baskets	2	2	3
Net Weight / Gross Weight	100 / 118 kg	105 / 124 kg	111 / 130 kg
Package Size	670 × 780 × 1240 mm	670 × 780 × 1330 mm	670 × 780 × 1440 mm



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

