

SMART HORIZONTAL AUTOCLAVE



Smart Horizontal Autoclave - ToronClave™ HS Series

Autoclave capacity matters when you need dependable steam sterilization for larger daily loads in laboratories, hospitals, and institutional facilities. The ToronClave™ HS Series is a Smart Horizontal Autoclave Machine line designed for saturated-steam sterilization, and the Smart Horizontal Autoclave positions as a large-capacity horizontal sterilizer family with 280 L, 360 L, and 500 L configurations.

This series combines a BRIGHT I intelligent operating system, a 7-inch touch screen, multi-level permission management, built-in sterilization and melting/insulation programs, and automatic water addition through an integrated steam generator and water pump. The ToronClave™ HS 280 for the 280 L model lists a 380 V / 50 Hz power supply, 135°C maximum working temperature, and a Ø600 × 1050 mm internal chamber for the ToronClave™ HS 280A model.

ToronClave™ HS Series is a floor-standing horizontal steam sterilizer built for moist-heat sterilization of medical and laboratory loads that require higher chamber volume than vertical units typically provide. It uses saturated steam under pressure to sterilize items quickly and is suited to facilities that need larger-capacity batch processing and more structured cycle management.

The ToronClave™ HS platform is offered in A and B model groups across 280 L, 360 L, and 500 L sizes. These models are configured with real-time parameter display, USB data export and backup, over one million stored data records, a sample temperature probe, and a cold-air emission program designed to help ensure more complete air removal before sterilization.

APPLICATIONS

Smart Horizontal Autoclave - ToronClave™ HS Series Applications

- Medical and Clinical Instruments: this Autoclave Machine is suitable for sterilizing reusable medical equipment and related clinical items. The autoclave is intended for sterilizing medical equipment, dressings, glassware, and liquor culture mediums.
- Laboratory Glassware: ToronClave™ HS Series can be used for routine sterilization of laboratory glassware in research, testing, and institutional environments. Its large horizontal chamber makes it suitable for facilities handling repeated or higher-volume sterilization cycles.
- Culture Media: this makes the series suitable for microbiology, biology, and general laboratory preparation workflows.
- Institutional and High-Volume Sterilization Work: with 280 L, 360 L, and 500 L chamber sizes, the series fits larger laboratories, hospitals, central sterilization areas, and institutional users that need more throughput than compact portable or standard vertical models can offer.



FEATURES

Smart Horizontal Autoclave - ToronClave™ HS Series Key Features

- BRIGHT I have an intelligent operating system.
- 7-inch touch screen with real-time parameter display.
- Reservation function for scheduled operation.
- Multi-level permission management.
- Internal event and time recording with USB export and backup support.
- Support for more than 1 million stored data records.
- Built-in 9 sterilization programs plus 3 melting and insulation programs



- Six-level cold-air emission program designed to improve air removal.
- Three-level exhaust setting support.
- Standard sample temperature probe.
- Water-level detection with anti-dry-burn low-water protection.
- Equipped with a steam generator and water pump for automatic water addition.
- Optional printer and stainless steel casing.
- Large horizontal spoke-door structure for high-capacity chamber access.

TECHNICAL SPECIFICATIONS

Smart Horizontal Autoclave - ToronClave™ HS Series Technical Specification

A Models

Parameter	ToronClave™ HS 280A	ToronClave™ HS 360A	ToronClave™ HS 500A
Volume	280 L	360 L	500 L
Door Structure	Spoke		
Power	12.5 kW	15.5 kW	17 kW
Voltage	380 V, 50 Hz		
Temperature Range	105-135°C		
Internal Dimensions	Ø600 × 1050 mm	Ø700 × 1050 mm	Ø700 × 1450 mm
Housing Dimensions (W × D × H)	1000 × 1515 × 1803 mm	1000 × 1515 × 1803 mm	1000 × 1915 × 1803 mm
Net Weight	600 kg	650 kg	670 kg
Gross Weight	650 kg	700 kg	720 kg
Package Size	1600 × 1000 × 2000 mm	1600 × 1000 × 2000 mm	2000 × 1026 × 2000 mm

B Models (Built in Drying Function)

Parameter	ToronClave™ HS 280B	ToronClave™ HS 360B	ToronClave™ HS 500B
Volume	280 L	360 L	500 L
Door Structure	Spoke		
Power	13.5 kW	16.5 kW	18 kW

Parameter	ToronClave™ HS 280B	ToronClave™ HS 360B	ToronClave™ HS 500B
Voltage	380 V, 50 Hz		
Temperature Range	105-135°C		
Internal Dimensions	Ø600 × 1050 mm	Ø700 × 1050 mm	Ø700 × 1450 mm
Housing Dimensions (W × D × H)	1000 × 1515 × 1803 mm	1000 × 1515 × 1803 mm	1000 × 1915 × 1803 mm
Net Weight	600 kg	650 kg	670 kg
Gross Weight	650 kg	700 kg	720 kg
Package Size	1600 × 1000 × 2000 mm	1600 × 1000 × 2000 mm	2000 × 1026 × 2000 mm



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