

## Consolidated Sterilizer Systems Dual Chamber Tower Autoclave / Sterilizer

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Rating: Not Rated Yet  
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Manufacturer[Consolidated Sterilizer Systems](#)

### Description



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### Description / Models

#### CSS Dual Chamber Tower Autoclave / Sterilizer

Regardless of the size of your lab, Consolidated understands that space is always at a premium. This is why we designed the Tower Model autoclave. The Tower Model has a 35% smaller footprint than two sterilizers setup side-by-side, with the option to save even more space through special recessed and cabinet configurations. The Tower Model will also help save on resources by minimizing downtime and increasing lab throughput; each chamber of the sterilizer can be run independently or simultaneously with the other.

- Made In the USA
- Lowest Total Cost of Ownership

Model	Chamber Dimensions (W x H x F-F)	Volume (Cubic Feet / Liters)
 22SR-2A	18" x 18" x 20" 45.7 x 45.7 x 50.8 cm	5.9 cu. ft. 168 liters
 22SR-3A	20" x 20" x 36" 50.8 x 50.8 x 91.4 cm	8.8 cu. ft. 249 liters

#### CSS Dual Chamber Tower Autoclave Video

### Steam Source

This sterilizer can accommodate or be supplied with the following steam sources:

- House Steam

- Electric – Integrated Boiler
  - ProGen™ Carbon Steel
  - ProGen™ Stainless Steel
- Electric – Remote Boiler
- Carbon Steel
- Stainless Steel

Steam-to-Steam Remote Boiler (Heat Exchanger)

Air Removal

This sterilizer can accommodate the following air removal methods:

- Gravity
- Gravity with Post-Vacuum
- Pre-Vacuum
  - Liquid Ring Pump
  - Venturi / Water Ejector System

Materials of Construction

Chamber Options

316L Stainless Steel, Nickel-Clad

Jacket Options

Carbon Steel, 304L Stainless Steel, 316L Stainless Steel

Plumbing Options

Bronze, Brass, Copper, 316L Stainless Steel

Features

Feature	Details
Cloud-enabled internet connectivity	Allows for cloud-based data storage, real time monitoring, and cycle alerts & reminders
Unique non-stick door gasket*	Specially formulated to eliminate sticking and to avoid door jamming
Air-actuated gasket	Minimizes steam exposure to greatly extend gasket working life
Whisper-quiet, integrated air compressor	Minimizes noise, eliminates need for facility air supply, supplies constant air pressure to gasket
Side-mounted controls	Avoids steam exposure to electronics and extends touchscreen life
Front access swing-out assembly	Simplifies serviceability, assures access to all components
Counterbalanced sliding door	Simplifies working footprint, lifts without the complexity of pneumatics or service-prone hydraulics
Low-mounted counter pulleys	Prevents steam exposure to pulley system, minimizes corrosion on pulley cables
One style solenoid valve used throughout sterilizer**	Simplifies maintenance, non-proprietary valve reduces cost
Integrated post-vac drying cycle	Vacuum drying phase eliminates steam and removes moisture from the load (i.e. reduces wet-packs)
Front-mounted chamber drain	Simplifies access to the chamber drain streamer for easy cleaning
Pressure gauge calibration	Permits periodic calibration to maintain accuracy, extend component life
Customizable design***	All sliding door sterilizers are custom made to exact configuration, functionality and options
Slim profile	Fits through standard doorways
Automatic power door operation**	Powered door operation allows 1 finger open/close operation. The door can be manually operated in the event of power loss.
Water/Eco® Conservation System***	Significantly reduces sterilizer water usage

- \* CSS Exclusive
- \*\* Manual operation is the standard configuration for all vertical sliding door autoclaves. An upgrade to “power door operation” ?is available as an option.
- \*\*\* Optional

Cloud-Enabled

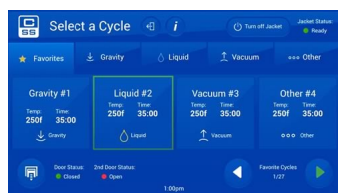
Consolidated sterilizers connect to the internet and are preconfigured for cloud-based monitoring, alerting and data collection.

Sustainable Features

Reducing the utility costs and carbon footprint are important consideration for many facility and sustainability stakeholders. Consolidated understands the role autoclaves can play, and we’ve developed these state-of-the-art configurations to significantly reduce water and energy usage for both new and existing sterilizers.

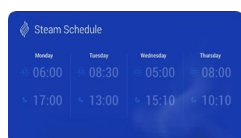
X1™ Controller

Consolidated’s X1™ controllers offer proven reliability, based on an industrial PLC platform programmed specifically for Consolidated’s sterilizers.



The X1™ control system include these user-friendly features:

- Intuitive user interface with modern, easy to view 7" touchscreen display.
- Ability to program up to 50 sterilization cycles.
- Ability to add "favorite cycles" shortcuts for quick access.
- Ability for managers to prevent users from modifying sterilization parameters on individual cycles.
- Built from industry-standard, open-source components allowing for easy availability of parts and service.



## EcoCalendar

The X1 controls are equipped with a calendar-based automatic start-up and shut-down feature known as EcoCalendar. This feature helps minimize utility consumption and HVAC load through a software controlled, automatic steam shut-off program. Utilities can be programmed for automatic start-up and shut-down based on time of day and day of the week.

## Cloud Access

### Maximize laboratory productivity with Consolidated's cloud-enabled steam autoclaves.

Thanks to a unique partnership with TetraScience, an Internet-of-Things company, Consolidated autoclaves are now able to connect to the internet—allowing scientists, lab managers, and facilities personnel to monitor their autoclaves and download their sterilization data from any internet-ready device. **This feature is now included on all Consolidated models** manufactured after Sept 2016.\* — simply connect the autoclave via Ethernet or Wi-Fi to enjoy the benefits (cloud-based data storage, real time monitoring, and cycle alerts & reminders). In addition to this cloud system, Consolidated autoclaves can be configured with SteriNET® Connex to include remote troubleshooting with live factory support; ideal for facilities that cannot afford any down-time or that are located in remote areas where service assistance is hours or days away.

### Cloud Upgrade Available for Existing Autoclaves

Enhance your existing autoclave to harness the Cloud using our Cloud Upgrade Kit. This kit enables a Consolidated sterilizer with an existing Advantage-Series (ADV-PB, ADV-PLUS or ADV-PRO) controller to be upgraded and have all the cloud capabilities as newer-model sterilizers.

### Consolidated's On-Demand Cloud Demo

Wondering how Consolidated's cloud-enabled autoclave software works? Watch a quick demo below.

## Reviews

There are yet no reviews for this product.