



Healthcare Line

Horizontal Steam Sterilizers



# Horizontal Steam Sterilizers for Healthcare Applications

The Tuttnauer line of healthcare sterilizers are designed for hospital operating rooms, central sterile supply departments, ambulatory surgery centers, dental schools, and other clinical settings. FDA cleared, the autoclaves come standard with vacuum, liquid, gravity and flash cycles to sterilize surgical instruments, utensils, gowns, wrapped/unwrapped goods and other healthcare instruments and supplies. All sterilizers are equipped with reliable non-proprietary components, maximizing “uptime” while providing an ultra low total cost of ownership. Autoclaves continue to be the first line of defense against infection and Tuttnauer takes this responsibility seriously.



## **Quality**

### Engineered with People in Mind

We work to keep our autoclaves state of the art. The components we use are of highest quality. Our healthcare autoclaves comply with the strictest international standards. A Tuttnauer autoclave is built to last longer and perform consistently. Our machines are engineered with careful attention to detail and with people in mind.

## **Safety**

### Safety is Our Top Priority

When it comes to the design of our horizontal sterilizers, protecting staff and patients is our first concern. Multi-level safety features prevent accidents and keep the autoclave running without downtime. A Tuttnauer autoclave is a safe autoclave.

## **Flexibility**

### Innovative Solutions that Suit Your Needs

The wide range of models and options we offer, take our healthcare sterilizers a step ahead. In addition, Tuttnauer autoclaves can be customized to meet your facility's unique needs.

With an ideal combination of Quality, Safety and Flexibility Tuttnauer's healthcare autoclaves are the most advanced, dependable and easy to use sterilizers available today.



# Quality

## Engineered with People in Mind

Our quality features enable the convenience and durability needed to operate an autoclave with complete peace of mind. The fully jacketed chamber is constructed of long lasting 316L grade stainless steel with superior corrosion resistance. The sterilizer pipes and fittings are constructed from stainless steel and brass. The pneumatically operated valves significantly reduce maintenance and downtime. The steam can be provided to the autoclave from the building's central source, an electric steam generator (stainless steel or carbon steel), or a steam-to-steam generator. In addition, if no buttons or switches are operated for four hours, the autoclave will switch to standby mode.

### Control Made Simple

An automated process control uses the Tuttnauer advanced microprocessor control system. Our Cat2007 Control Panel is user-friendly, and consists of a 4 line, 20 Column LCD and a functional touchpad. A self diagnostic system provides messages and alerts that are displayed in a clear language. Audible alerts are sounded with the messages. The LCD display provides constant cycle parameter readouts and cycle progress information. The control system is self-diagnostic and provides fault messages to the operator. Double door autoclaves are provided with a dual built in, full display and

enhanced control system on both sides of the autoclave.

### The control system is programmed with a total of 12 cycles that range in temperature from 105°C -138°C:

- 4 programs for unwrapped instruments
- 4 programs for wrapped instruments and packs
- 3 slow pressure exhaust cycles
- 1 flash cycle
- 2 test programs: Bowie & Dick and Vacuum Test

### Printer

For clear and concise documentation of the sterilization process, the control unit is provided with a built-in printer. This provides real-time cycle data including the pressure, temperature, change of phase, alarms and a summary at the end of the cycle.

**Our high quality healthcare autoclaves comply with the strictest international directives and standards, including UL, ETL, FDA, CE, ASME.**





## Safety

### Safety is Our Top Priority

#### Door Safety

The autoclave doors are designed with a number of independent mechanical and digital safety features. This guarantees that if a problem should occur, an autoclave failure will be prevented.

- A safety device prevents the operator from opening the door when chamber is pressurized
- Steam is not allowed into the chamber when the door or gasket is open
- A cycle cannot start if the door is open or not properly locked
- The door cannot unlock until chamber pressure reaches room pressure
- Sliding Doors Safety - The sliding door progress will automatically stop if an obstruction is detected
- Double Door Safety – interlocks prevent both doors from being opened simultaneously

#### General Safety Features:

- **Double Independent Monitoring:** The combined digital and mechanical monitoring provides a cross reference and guarantees accurate results. The operator has two independent means to monitor temperature and pressure.
- **Safety Valves:** Both the chamber and the jacket are equipped with safety valves – if the pressure exceeds the allowed limit the safety valves will discharge
- **Built-in Steam Generator Safety:** A water level monitoring system maintains a constant water level and ensures safe operation of the heaters
- **Emergency shut-off:** Easily accessible emergency switches for immediate cycle shut-off

## A Flexible Range of Sizes and Models

We offer an unmatched range of models that are available in three series: Compact, Mid Range and Large Capacity. The chamber sizes range from 120 to 1015 Liters. In addition, we accommodate for your special needs and design tailor made solutions and non standard chamber sizes. Each model is available in either single or double door configurations.



## The 44 and 55 Compact Series

Tuttnauer Small healthcare Autoclaves with chamber volume ranging in size from 120 Liters to 250 Liters.

The 44 and 55 series is available with two door options:

- Fully automatic vertical sliding door
- Manual door

Tuttnauer offers 2 different models:

| Model | Chamber Dimensions (Inches) | Chamber Volume Cubic Feet (Liter) |
|-------|-----------------------------|-----------------------------------|
| 4472  | 16x16x28                    | 4 (120)                           |
| 5596  | 20x20x38                    | 9 (250)                           |



Manual Hinged Door



Vertical Sliding Door

## The 66 Mid Range Series

Tuttnauer Medium healthcare Autoclaves with chamber volume ranging in size from 340 Liters to 450 Liters.

The 66 series is available with two door options:

- Fully automatic vertical sliding door
- Hinged door with automatic locking.

Tuttnauer offers 2 different models:

| Model | Chamber Dimensions (Inches) | Chamber Volume Cubic Feet (Liter) |
|-------|-----------------------------|-----------------------------------|
| 6690  | 24x24x36                    | 12 (340)                          |
| 66120 | 24x24x48                    | 16 (450)                          |



Automatic Hinged Door



Vertical Sliding Door

## The 69 Large Capacity Series

Tuttnauer Large healthcare Autoclaves with chamber volume ranging in size from 510 Liters to 1015 Liters.

The 69 series is available with two door options:

- Fully automatic horizontal sliding door
- Hinged door with automatic locking.

Tuttnauer offers 4 different models:

| Model | Chamber Dimensions (Inches) | Chamber Volume Cubic Feet (Liter) |
|-------|-----------------------------|-----------------------------------|
| 6990  | 24x36x36                    | 18 (510)                          |
| 69120 | 24x36x48                    | 24 (680)                          |
| 69150 | 24x36x60                    | 30 (840)                          |
| 69180 | 24x36x72                    | 36 (1015)                         |



Automatic Hinged Door



Horizontal Sliding Door

# Additional Options

## Loading Equipment

Our loading equipment assists the loading and unloading process. It is made of high quality, durable stainless steel. We offer two options:

- **Rack & Shelves.** Stainless steel trays equipped with rails for easy loading and unloading. The rails are designed to prevent the trays from rolling over.
- **Loading Carts and Transfer Carriages.** The adjustable loading cart rolls from the transfer carriage onto the interior chamber tracks for easy handling of heavy loads. The trolley is equipped with revolving wheels, maximizing mobility in limited space. The wheel breaks prevent the trolleys from rolling and the carriage is equipped with a lock that prevents it from sliding.



## High Precision Documentation

Cycle documentation is crucial within the CSSD. A cycle that is not properly recorded is not considered done. The modularity and flexibility of our system gives you targeted and customized solutions to track and document the sterilization process.

- **Touch Screen**

Our touch screen displays all cycle information in both a textual or graphical interface and provides a continuous visual guide. Moreover, it provides a visual display of all piping for monitoring purposes.

- **ADMC software**

The user can remotely control and manage eight autoclaves using the ADCM software. You can retrieve data, create graphs, tables and print-outs.



- **Chart Recorder**

The Chart Recorder gives clear analog/mechanical trend records and print-outs in color. It is simple to operate and has an easy-view display.

- **Data Logger**

The data logger is the hospital's protection, making documentation even more convenient and reliable. It stores over 100,000 hours of cycle data, displayed either graphically or numerically.

- **Barcode Reader**

The barcode reader allows tracing the material flow in the CSSD by reading the containers' barcode identification. The data is transferred to the ADCM and linked to the sterilization cycle parameters for streamlined instrument handling.

## Additional Options

Tuttner offers multiple options designed to improve your facility's sterilization procedures, meet unique requirements and ensure a safe and worry free work environment.

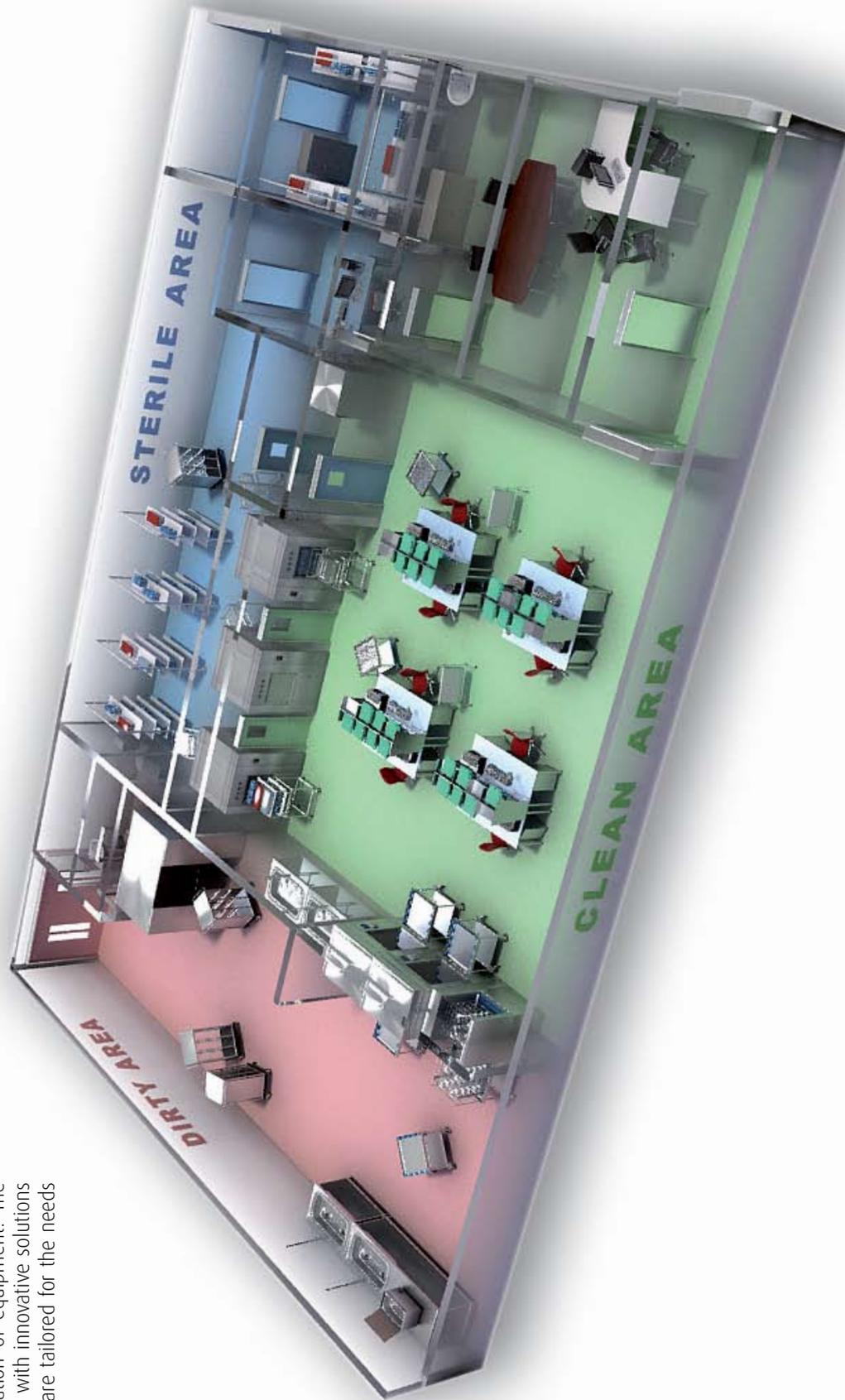
We offer advanced sterilization cycles for special needs such as a low temperature streaming steam cycle, a disinfection program, an F0 factor or advanced liquid cycles.

Tuttner's advanced operation features include a multipurpose valve that can function as a backup in case of power failure, or an automatic shutdown or restart feature that economizes on power. Our clean piping features provide a complete solution for the most demanding standards.

## CSSD Design

The design of a central sterile supply department requires many considerations: Proper design of areas within the department, choosing the right equipment and understanding the needs of the OR.

Tuttinauer manages complete turnkey solutions, including planning, design and installation of equipment. The Tuttinauer team will come up with innovative solutions and space saving ideas that are tailored for the needs of your hospital.



## Your Sterilization & Infection Control Partners



### Company Profile

For over 80 years, Tuttnauer's sterilization and infection control products have been trusted by hospitals, universities, research institutes, clinics and laboratories throughout the world. Supplying a range of top-quality products to over 100 countries, Tuttnauer has earned global recognition as a leader in sterilization and infection control.

### Global partnerships

At Tuttnauer we feel that business means people dealing with people. We pride ourselves on our reputation for having long-lasting relationships with our customers, spanning over decades and distances and for building solid, long-term relationships based on commitment and trust.

### Our Flexibility is Your Advantage

Beyond our unmatched range of products, we also manage complete turnkey solutions, including planning, design and installation of equipment, as well as consultation and feasibility studies, for projects of all sizes.

### More from Tuttnauer:

Featuring Tuttnauer's range of cleaning, disinfection and sterilization solutions



Horizontal Steam Sterilizers  
for Laboratory & Scientific  
Applications



Bulk Steam Sterilizers for  
Laboratory & Scientific  
Applications



Fully Automatic Table-Top  
Autoclaves



Manual Table-Top Autoclaves

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