

# GETINGE

## GETINGE HS66 HOSPITAL STERILIZER



# GETINGE HS66 – THE MOST VERSATILE, RELIABLE AND EASY-TO-USE HOSPITAL STERILIZER IN THE WORLD

The Getinge HS66 is compact, versatile and reliable. It combines high capacity with cost-efficiency.

These state-of-the-art hospital sterilizers are specially designed for central sterilization supply departments (CSSD) and theater sterile supply units (TSSU), as well as laboratories etc.

## The safe choice

Getinge HS66 meets all standards. All pressure vessels from Getinge are manufactured in accordance with the specifications of the authorities in your country, and meet the world's toughest standards of quality and safety, including Medical Device Directive 93/42/EEC (MDD), EMC directive 89/336/EEC, CE, European Pressure Equipment Directive 97/23/EC, EN285, EN – ISO9001, EN46001, EN61010 (EC61010) and HTM 2010 (Optional).

## Top quality

The acid-proof stainless steel chambers and steam jackets are robot-welded. With CFC-free insulation throughout, even on appropriate piping. Moreover, the chambers and steam jackets are enclosed in corrosion-proof aluminum.

## Space saving construction

The vertically upward door is faster and saves space, while offering proven, hands-free convenience.

## Easy installation

In spite of its generous capacity, the sterilizer is compact enough to fit through a 900 mm wide door. This saves time and money in installation.

## Easy access for service

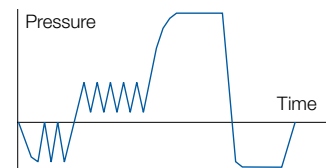
In spite of the extremely compact modular design, all components are easily accessible for maintenance from one side and from the hinged front, which opens completely.

## Tropical cooling

Getinge HS66 sterilizers feature a unique cooling system that is adaptable to water temperatures as high as 35°C (95°F) and pressures as low as 1 bar.

## Short process time

The sterilization cycle in the new Getinge HS66 is optimized for short process time, but easily meets the requirements of EN285/554.



## 75% less water

Our optional ECO-system goes a step further, drastically reducing water requirements to the vacuum pump and separating waste-water from recyclable cooling water. The total water consumption is as much as 75% lower than other standard sterilizers on the market, an important environmental consideration that combines economy with ecology.

## Clean steam

Our optional integrated steam generators (electrical- or steam-heated) improve steam quality and prevent the usual problems with wet packs and dirt on packs/instruments created by poor plant steam quality. The steam generator is integrated under the sterilizer and requires no extra space. The only requirement is that the steam generator is supplied with treated water for steam generation. The better water quality you supply, the better steam you get.



Hinged front for easy service access.

Sterilizers HS66-series	Units	STERILIZER MODEL				
		HS6606	HS6610	HS6613	HS6617	HS6620
Chamber volume 1	L/cu.ft.	308/10.9	461/16.3	595/21	775/27.3	910/32.1
Chamber volume 2		297/10.5	449/15.8	584/20.6	764/27	899/31.7
Chamber depth	mm/in.	660/26	1000/39.3	1300/51.1	1700/67	2000/78.7
Chamber width		670/26.4				
Chamber height	670/26.4					
Capacity Baskets*	pcs	3	6	9	12	12
Capacity STU**	pcs	4	6	8	10	12

Chamber volume -1: Single-door versions. Chamber volume -2: Double-door versions.

\* Basket size (SPRI/ISO): 600x400x200 mm (LxWxH) \*\* STU size : 600x300x300 mm (LxWxH)

# PACS 3500

## HIGH PRECISION, YET SO SIMPLE

The advanced PACS 3500 PLC meets FDA requirements and is specially developed for Getinge sterilizers and washer-disinfectors. It is designed to handle just about any operation you can imagine in this field – with consistently superior results. The automatic diagnosis of faults means faster service and lower costs.

### Assured accuracy

The PACS 3500 PLC is an extremely user-friendly control unit that assures reliably accurate sterilization programs. There are no high-temperature peaks that waste energy, destroy goods or cause superheated steam that could jeopardize the sterilization. In the event of a temperature drop, an alarm is triggered. Simply put, it's a control system you can rely on.

### Cycles

PACS 3500 can be equipped with a variety of cycles, offering the flexibility of a full range of cycle combinations to satisfy just about every demand. All of these five cycles are pre-programmed for instant selection:

- High vacuum for textiles and utensils 121°C
- High vacuum for textiles and utensils 134°C
- Flash
- Bowie Dick test
- Automatic leak test

The following additional cycles are available as options:

- High vacuum for heavy load 134°C
- Prion. (High vacuum 134°C cycle, to be configured according to local requirements.)
- Optical instruments
- Silicone implants

### Double safety

To assure operator safety, we've developed a unique, self-diagnostic, double-control door interlocking system. Both parts consist of independent controls that monitor each other, eliminating the risk of functional failure.

### Automatic adjustable pressure calibration

Getinge has also developed a special pressure transducer to assure accurate reproducibility of the sterilization process in spite of ambient pressure fluctuations.

### User-friendly displays

The user-friendly PACS 3500 control unit offers a number of convenient features:

- Operator codes for non-validated programs
- Password-protected menu tree
- Fault and information alarms
- Notification of service and maintenance intervals
- Concise and easy-to-grasp information, available in a selection of languages.

### Convenient documentation

Temperature and pressure are constantly documented as permanent records by an independent linear recorder integrated in the sterilizer fascia.

### Supervisor

The optional PACS Supervisor gives you supervision of the sterilization and the sterilizer safety system. The PACS Supervisor is a completely independent monitoring and documentation system that constantly reviews readings from the PACS 3500 and compares them with its own independent sensors. The PACS Supervisor cross-checks the sterilization period of the MDD type-tested cycles according to the limit values of EN285 and EN554 and triggers an alarm if the limits are not achieved.

The PACS Supervisor prints out all process data on one printer from both the PACS 3500 and its own independent values, either as data/text or as a graph. It is also capable of sending all values to Getinge's external system for electronic recording and documentation – T-DOC.

### Complete manuals

The Getinge HS66 is simple to operate – even without a manual. But just in case, Getinge's easy-to-understand operating and service manuals are available to assure trouble-free.

# CUSTOMIZE YOUR HS66 STERILIZER



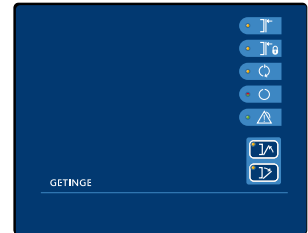
**Standard panel mounting**



**Optional panel mounting**

The HS66 is also available with side mounted operator panel.

## Unloading side panels



### OP10 user interface

(Standard.)  
For unloading side only.  
Door open/close buttons.  
Status LED:s.



### OP15 user interface

For unloading side only.  
Door open/close buttons.  
Status LED:s.  
2-line text LCD for process info:  

- Remaining time
- Cycle
- Temperature(s)

## Loading side panels

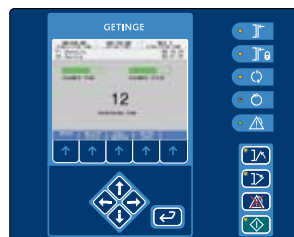


### OP20 user interface

(Standard.)  
Door open/close buttons.  
Status LED:s.  
2-line text LCD for process info:  

- Remaining time
- Cycle
- Temperature(s)

 Cycle selection & start.  
Parameter settings.  
Maintenance & service menus.



### OP30 user interface

Door open/close buttons.  
Status LED:s.  
5.7" color screen for process info:  

- Remaining time
- Cycle & Phase
- Temperature(s)

 Graphical Process Presentation:  

- Plot graph
- Bar graph

 Parameter settings.  
Maintenance & service menus.  
System Configuration.



### OP70 Touch screen

Door open/close buttons.  
Status LED:s (on screen).  
10.4" color touch screen for process info:  

- Remaining time
- Cycle & Phase
- Temperature(s)

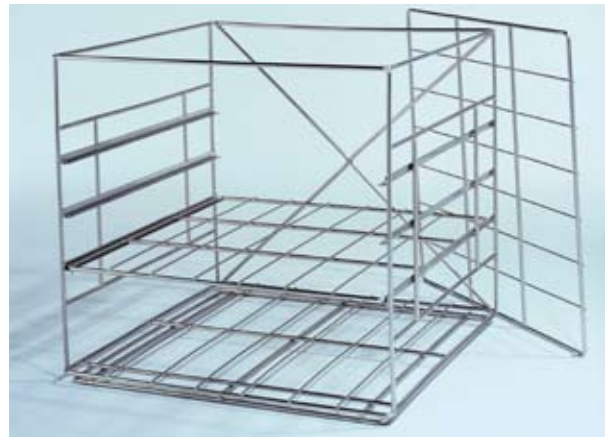
 Graphical Process Presentation:  

- Plot graph (High resolution)
- Bar graph (High resolution)

 Parameter settings.  
Maintenance & service menus.  
System Configuration.



Extendable shelves



Loading module

## THE LOADING SYSTEM FOR EVERY NEED

Getinge offers complete, efficient, economical, ergonomical handling systems for baskets as well as containers. The systems may be used separately or in combination. And both systems are available with manual or automatic loading and unloading. This means that your system can be tailored precisely to your needs.



**A complete convenient system**  
Getinge also offers a wide range of accessories, perfectly adapted to basket as well as container systems.



Manually Loading/Unloading of wire baskets. Also using optional Loading Module(s) to process containers. Loading Trolleys available for fixed or Height Adjustable operating height.



Automatic Loading/Unloading of wire baskets. These units can also handle Loading Module(s) to process containers. Is used in combination with a Loading Trolley that transfer the goods to/from the unit.



Manual loading of containers or various packs using a Loading platform and Loading module on a loading trolley.



Automatic Loading/Unloading of Shelf Racks. The unit can also be used for Loading Platforms. Is used in combination with a Transport Trolley that transfer the goods to/from the unit.



Manually Loading/Unloading of Shelf Rack. The shelf rack can also be loaded with wire baskets or other goods. Loading Trolleys available for fixed or Height Adjustable operating height.



Semi Automatic loading/unloading of shelf racks by help of a battery driven push/pull device on the loading trolley. Can also be used for loading platform.



Getinge provides complete solutions for effective and efficient cleaning, disinfection and sterilization in the healthcare and life science sectors. Our know-how comprises everything from architectural planning, production and handling equipment, to systems for full traceability of sterile goods. Our commitment covers expert advice, training and long-term technical support.

# GETINGE

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## GETINGE

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