

# GETINGE

## GETINGE HS55 HOSPITAL STERILIZER



# GETINGE HS55 – THE MOST VERSATILE, RELIABLE AND EASY-TO-USE HOSPITAL STERILIZER IN THE WORLD

The Getinge HS55 is a fully automatic steam sterilizer. It has pre-set programs for the most common sterilization processes for general-purpose hospital use. The program cycles employ mechanical air removal with a series of vacuum/pressure pulses to effectively remove air for assured sterilization. The chamber dimensions are adapted to sterilization, using wire baskets according to SPRI & ISO, or baskets and containers according to DIN standards.

## Top quality

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

## Space saving construction

The automatic vertically downward sliding door is faster and saves space while offering proven hands-free convenience.

## Easy installation

The HS55 sterilizer offers a generous capacitive but is compact enough to fit through a 900 mm wide door. This saves time and money in installation.

## Easy access for service

The design is compact and modular and gives easy access to all components for maintenance from one side and from the hinged front, which opens completely.

## Short process time

The sterilization cycle in the new Getinge HS55 is opti-

mized for short process time and is fully compliant with the requirements of EN285 and EN554.

## 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 chamber 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 is generated.

## The safe choice

The Getinge HS55 sterilizer is designed to comply with the following requirements and standards:

- Medical Device Directive 93/42/EEC
- Machinery Directive 98/37/EEC
- EMC Directive 89/336/EEC
- Low Voltage Directive 73/23/EEC
- European Pressure Equipment Directive 97/23/EC
- EN 285
- EN ISO 9001
- EN 46001
- EN 61010-1
- EN 61010-2-041
- AS 1410
- AS 1210
- AS/NZS 4187
- AS/NZS CISPR 14.1
- HTM 2010



Hinged front panel for easy service access.

Sterilizers HS55-series	Units	STERILIZER MODEL	
		HS5510-1	HS5510-2
Chamber volume	L/ Cu.ft.	287 / 10.1	280 / 9.9
Chamber width	mm / in.	532 / 20.9	
Chamber depth		1000 / 39.3	
Chamber height		532 / 20.9	
Capacity baskets I*	pcs.	1,5x1,5	
Capacity baskets II**	pcs.	3x1,5	
Capacity containers I***	pcs.	3x4	
Capacity containers II****	pcs.	3x3	

The table shows single-door (-1) and double-door (-2) versions.

\* Basket size: 400x600x300/150 mm (LxWxH)

\*\* Basket size: 400x300x300/150 mm (LxWxH)

\*\*\* Basket/container size: 480x300x110 mm (LxWxH)

\*\*\*\* Basket/container size: 480x300x140 mm (LxWxH)

Smaller modules are available

# 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 linen and pourous load and utensils 121°C
- High vacuum for linen and pourous load 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

### Automatic adjustable pressure calibration

Getinge has also developed a special pressure transducer to assure accurate reproducibility of the sterilization process which is not affected by 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 a facia printer or an independent linear recorder integrated in the sterilizer facia.

### 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.

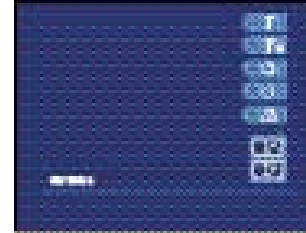
The PACS Supervisor prints out all process data on one printer from both the PACS 3500 and its own independent values, either as data/text or as a graph. It is also capable of sending all values to Getinge's external system for electronic recording and documentation – T-DOC.

\* NOTE Different cycles are available on different markets. Please contact your local Getinge representative for further details.

# CUSTOMIZE YOUR HS55 STERILIZER

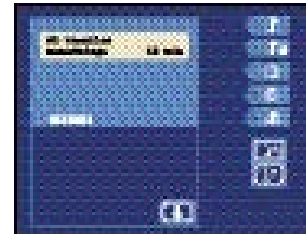


## Unloading side panels



### OP10 user interface

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

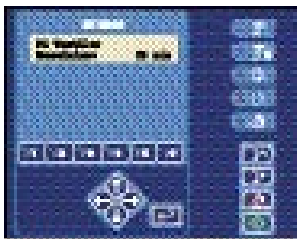


### OP15 user interface

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

- Remaining processing time
- Cycle
- Temperature(s)

## Loading side panels



### OP20 user interface

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

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

Graphical Process Presentation:

- Plot graph
- Bar graph

Parameter settings.  
Maintenance & service menus.  
System Configuration.  
Start and Cycle Selection.



### TP70 Touch screen

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

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

Graphical Process Presentation:

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

Parameter settings.  
Maintenance & service menus.  
System Configuration.

## THE LOADING SYSTEM FOR EVERY NEED

Getinge offers complete, efficient, economical, ergonomical handling systems for baskets as well as containers. This means that your system can be tailored precisely to your needs.



**A complete convenient system**

Getinge also offers a wide range of Loading Equipment, perfectly adapted to basket as well as container systems.





Chamber bottom shelf to give maximum available height in chamber for load.



L-rails and Extendable Slide out Shelves. It can accommodate 1-3 shelves.



Manually Loading/Unloading of Shelf Rack. The shelf rack can be loaded with various load, e.g. containers and baskets. It can have shelves at 9 different levels.



See separate product specifications for further information!



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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