

**GETINGE HS55  
HOSPITAL STERILIZER**



Always with you

## 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.

### 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





**Short process time**

The sterilization cycle in the new Getinge HS55 is optimized 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.



Stainless steel is standard on both process and non-process piping.

**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.

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

### Programs

PACS 3500 can be equipped with a variety of programs, offering the flexibility of a full range of cycle combinations to satisfy just about every demand. All of these five programs 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 programs are available as options:

- High vacuum for heavy load 134°C
- Prion. (High vacuum 134°C cycle, to be configured in accordance with local requirements.)
- Optical instruments
- Silicone implants
- High vacuum for textiles and utensils 121°C (air detector surveillance)
- High vacuum for textiles and utensils 134°C (air detector surveillance)

### 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.

### 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 T-DOC – Getinge's external system for electronic recording and documentation.



# CUSTOMIZE YOUR GETINGE HS55 STERILIZER

## Loading-side panels



### AVANTI

8.4" SVGA color display with high brightness.

Wide viewing angle.

Built-in long life LED's.

info:

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

Graphical Process Presentation:

- Plot graph
- Bar graph

Parameter settings.

Maintenance & service menus.

System Configuration.

Start and Cycle Selection



### SUPERIOR (option)

12.1" TFT-display

Wide viewing angle.

Fast response time.

High colour saturation.

Built-in long life LED's.

info:

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

Graphical Process Presentation:

- Plot graph
- Bar graph

Parameter settings.

Maintenance & service menus.

System Configuration.

Start and Cycle Selection

## Unloading-side panels



### CLASSIC

4.2" graphical LCD display

Door open/close buttons

Status LED's



### AVANTI (option)

8.4" SVGA color display with high brightness.

Wide viewing angle.

Built-in long life LED's.

info:

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

Graphical Process Presentation:

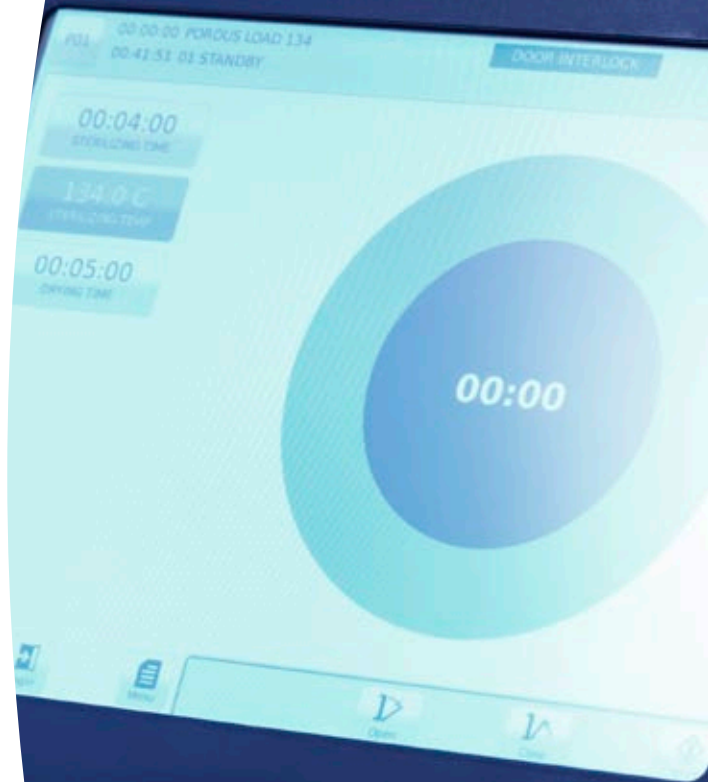
- Plot graph
- Bar graph

Parameter settings.

Maintenance & service menus.

System Configuration.

Start and Cycle Selection



## A LOADING SYSTEM FOR EVERY NEED



Getinge SMART is a range of ergonomic loading equipment that has been designed down to the smallest detail to make everyday work more efficient and easier for the user. The range of Getinge SMART loading equipment includes loading trolleys with fixed or adjustable height, that can be equipped with Semi-Automatic Loading and/or PowerDrive for easier handling. All units are perfectly adapted to standardized wire basket and container systems.

As a complete solution provider, Getinge offers a 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 selection of our range is:



1



2



3



4

1. Chamber bottom shelf to give maximum available height in chamber for load.
2. L-rails and Extendable Slide out Shelves. It can accommodate 1-3 shelves.
- 3-4. 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.

## ALL EQUIPMENT YOU NEED – AND EVERYTHING ELSE TOO



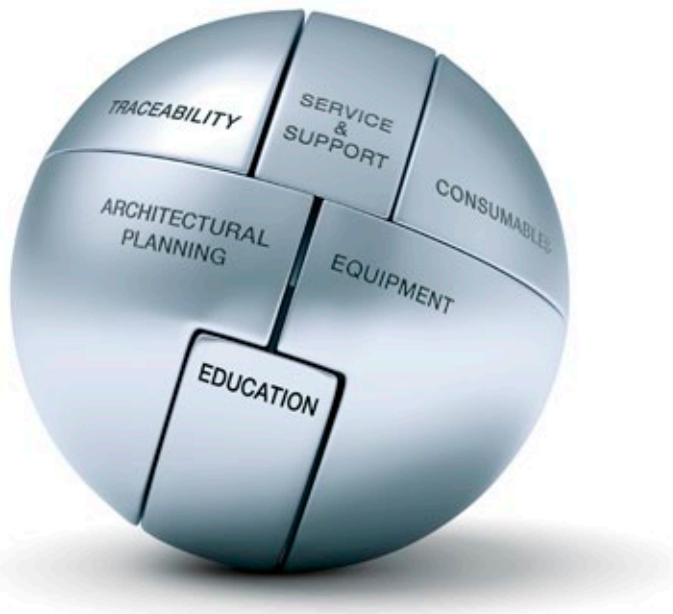
### Architectural planning:

Getinge provides you with planning and design of your facility, for optimal workflow with expertise in infection control.



### Equipment:

A complete range of washer-disinfectors, sterilizers, loading equipment and system accessories will together provide a total solution for different types of applications.



### Service and support:

Getinge's own service teams constitute complete installation service, technical support and preventive maintenance for maximum uptime. Worldwide network with technicians.



### Consumables:

We offer a complete and comprehensive range of consumables, which in combination with our application specialists provide efficient and economical output.



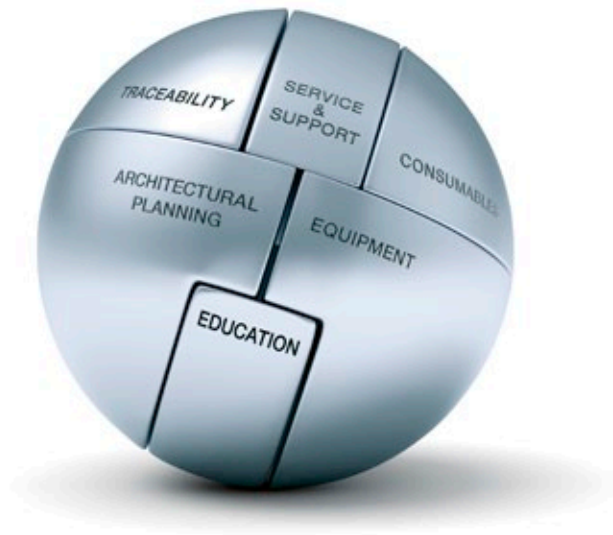
### Education:

Getinge Academy provides service training, application training, and technician training upon customer demand, held either at one of the Getinge Academy facilities or at customer sites.



### Traceability:

Getinge's T-DOC software is a highly sophisticated and user-friendly documentation system, offering full instrument traceability and asset management for the healthcare sector.



#### COMPLETE SOLUTIONS FOR INFECTION CONTROL

Getinge is the world's leading provider of solutions for effective cleaning, disinfection and sterilization in the healthcare and life science sectors. We are dedicated to helping our customers provide better care at a lower cost. We do this by offering well-thought-through and customized solutions. This means that we are with our customers all the way from architectural planning and education to traceability and support – with complete solutions, long-term commitment and global presence. Getinge – Always with you.

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# GETINGE

GETINGE GROUP

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**GETINGE GROUP** is a leading global provider of products and systems that contribute to quality enhancement and cost efficiency within healthcare and life sciences. We operate under the three brands of ArjoHuntleigh, GETINGE and MAQUET. **ArjoHuntleigh** focuses on patient mobility and wound management solutions. **GETINGE** provides solutions for infection control within healthcare and contamination prevention within life sciences. **MAQUET** specializes in solutions, therapies and products for surgical interventions, interventional cardiology and intensive care.