Medical Products Overview
Belimed, the system supplier

Cart washer

IT System (ICS)

Sterilizers with pass back sluice

Washer/Disinfectors with pass back door
MST medical steam sterilizers for 1 to 18 sterilization units
Sterilization in day clinics and CSSD’s – Compact sterilizers VAPOFIX

- VAPOFIX 3-3-6 or 3-3-9 with manual vertical door
- Single or two-door version
- Usable chamber space: 1 and 1.5 StU
- Swiss Made, chamber made of 1.4404
- EN 285 conform, can be validated according to EN 17665-1
- Only 600 mm wide: the largest chamber with the smallest footprint in its class
- Ergonomic loading height of 940 mm
- Optionally integrated electric steam generator
- Low-noise vacuum pump
Medical steam sterilizers MST-V with vertical sliding doors

- MST-V Series with vertical sliding doors and usable chamber volumes of 4 to 12 StU
- The most compact sterilizer in its class (only 990 mm width including maintenance access)
- Lowest loading height in its class
- Integrated steam generator
- Water-saving and temperature tolerance due to integrated gas jet pump
- Optional combination with LTFS (low temperature steam formaldehyde sterilization) available.
- Extended door seal life; six times longer than comparable systems due to high precision milled sealing slot
- Low-noise vacuum pump
- Can be networked and integrated in existing IT systems and CSSD management software
Medical steam sterilizers MST-V with vertical sliding doors

<table>
<thead>
<tr>
<th>Model</th>
<th>Chamber volume</th>
<th>Dimensions</th>
<th>Loading height</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Single-door</td>
<td>Two-door</td>
<td>StU&lt;sup&gt;1)&lt;/sup&gt;</td>
</tr>
<tr>
<td>6-6-6 VS1</td>
<td>6-6-6 VS2</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>6-6-9 VS1</td>
<td>6-6-9 VS2</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>6-6-12 VS1</td>
<td>6-6-12 VS2</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>6-6-18 VS1</td>
<td>6-6-18 VS2</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

<sup>1</sup> 1 StU = 300 x 300 x 600 mm
<sup>2</sup> Two-door version
Medical steam sterilizers MST-H with horizontal sliding doors

- MST-H series with horizontal sliding doors and usable chamber volumes from 9 to 18 StU
- Flexible loading height from floor level up to 350 mm
- Compatible with sterile material logistics systems
- Extended door seal life; six times longer than comparable systems due to high precision milled sealing slot
- Low-noise vacuum pump
- Stainless steel piping with minimal flange connections
- Advanced process technology for reduced water consumption and fast cycles
- Easy and large-area service access
## Medical steam sterilizers MST-H with horizontal sliding doors

<table>
<thead>
<tr>
<th>Model</th>
<th>Chamber volume</th>
<th>System dimensions</th>
<th>Loading height</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Single-door</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9-6-9 HS1</td>
<td>9 StU¹</td>
<td>ca 740 litres</td>
<td>1970 x 1700 x 1374</td>
</tr>
<tr>
<td>9-6-12 HS1</td>
<td>12 StU</td>
<td>ca 990 litres</td>
<td>1970 x 1700 x 1714</td>
</tr>
<tr>
<td>9-6-15 HS1</td>
<td>15 StU</td>
<td>ca 1220 litres</td>
<td>1970 x 1700 x 2022</td>
</tr>
<tr>
<td>9-6-18 HS1</td>
<td>18 StU</td>
<td>ca 1400 litres</td>
<td>1970 x 1700 x 2330</td>
</tr>
<tr>
<td><strong>Two-door</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GR 9-6-9 HS1</td>
<td>9 StU²</td>
<td>890 litres</td>
<td>2000 x 1900 x 1580 (1600³)</td>
</tr>
<tr>
<td>GR 9-6-12 HS1</td>
<td>12 StU</td>
<td>1100 litres</td>
<td>2000 x 1900 x 1880 (1900³)</td>
</tr>
<tr>
<td>GR 9-6-15 HS1</td>
<td>15 StU</td>
<td>1380 litres</td>
<td>2000 x 1900 x 2180 (2200³)</td>
</tr>
<tr>
<td>GR 9-6-18 HS1</td>
<td>18 StU</td>
<td>1624 litres</td>
<td>2000 x 1900 x 2480 (2500³)</td>
</tr>
<tr>
<td>GR 12-6-9 HS1</td>
<td>1² StU</td>
<td>1016 litres</td>
<td>2000 x 1900 x 1580 (1600³)</td>
</tr>
<tr>
<td>GR 12-6-12 HS1</td>
<td>1² StU</td>
<td>1293 litres</td>
<td>2000 x 1900 x 1880 (1900³)</td>
</tr>
<tr>
<td>GR 12-6-15 HS1</td>
<td>1² StU</td>
<td>1570 litres</td>
<td>2000 x 1900 x 2180 (2200³)</td>
</tr>
</tbody>
</table>

¹ 1 StU = 300 x 300 x 600 mm
² For transport carts and logistic systems
³ Two-door version
Improved ergonomics – by height adjustable transport carts

Transport cart for MST-H sterilizers

- Working height can be adjusted to personal fit
- Easy loading and unloading due to an optimal working height
- Battery powered cordless for flexible use
- Two button operation for safe use

Transport cart for MST-V sterilizers

- Working height can be adjusted to personal fit
- Easy loading and unloading due to an optimal working height
- Battery powered cordless for flexible use
- Memorisation of up to three different heights
Improved work efficiency due to automatic loading and unloading
Increased flexibility –
Combined steam/FO sterilizer MST-V FO

- Low operational costs due to flexible use
- Based on the MST-V line with vertical power doors from 4 to 8 StU
- Space saving: only 350 mm more width compared to an MST-V
- A real steam sterilizer
- Increased field of application with LTFS process
- Processing of thermo labile materials and instruments e.g. endoscopes, cystoscopes or catheters
- FO-process time approx 6-8 hours
- Safe and economic operation, sterilant is a standardised 3% medical FO-solution.
WD150

- Approved Norm Compliance – Compliant with EN ISO 15883-1; -2, (HygCen)
- Perfect Cleaning Performance – Chamber with rounded edges
- Shorter Cycle Times – High performance drying, DI-Tank as option
- High Throughput – up to 8 instrument trays per hour
- Belimed Quality – Stable trap door, chamber made from AISI 316L (1,5mm sheet)
- Belimed New Design – Patented process status display
Improved work quality: Belimed’s new product design

- Modern product
  - Green glass doors combined with high quality stainless steel, white HI-MACS® material and white glass operating panels
  - Enhanced safety and well-being for staff in the Central Sterile Supply Department (CSSD)

- Easy cleaning
  - No protruding elements, grooves or corners
  - Operating panel behind glass
  - HI-MACS® is robust and easy to clean

- Consistent and ergonomic operation

- Process status display visible at a distance
WD 230 single chamber washer-disinfector

- 10-tray washer-disinfector with manually operated doors, available as one or two doors version
- Especially space-saving in the hinged door version
- Simple handling: Hinged door can be used at the same time as a loading and unloading surface
- Decentral use without separation of decontamination and clean sides with the one-door version
WD 250 single chamber washer-disinfector

- 10-tray washer-disinfector with automatic glass sliding doors
- Greater operator convenience thanks to automatic doors
- Full glass doors as standard; visual inspection possible at any time
- Sliding glass doors slide down, use compatible with any room height
- Interlocking doors
- For use in CSSD units
Convenient and transparent user guidance with CP-TOP

- Consistent operating interface for all systems (Washers and sterilizers):
  - Low training requirement
  - Fewer operating errors
  - Simplified maintenance

- Very bright, illuminated colour display

- Operator control panel is located at an ergonomically ideal height for all Belimed systems

- Simple touch button operation with acoustic confirmation

- Clear menu navigation with direct selection and function buttons for fast operation

- Easy cleaning (operating interface is located behind the glass plate)
Semiautomatic loading and unloading (SISO) - Flexibility in the length

Automatic unloading station
length: 1 Rack

Automatic unloading station
length: 2 Racks
Rotary System – System components

- Return with door
- Transport trolley
- Automatic loading module
- Automatic unloading module
- Transport and rotation module
- 1 - 7 washer-disinfectors WD 290
WA290 New Automation

Clean Side

Decontam Side
Why a shuttle on decontam and conveyors on clean?
- Optimize use on both sides
- Best met User Requirements

Shuttle - Decontam
- Easy access to clean filter screen
- Washer door opens as shuttle moves
- Suspend button for bypass loading
- Battery operated, wireless control
- Charges when it is in the home location

Conveyors – Clean Side
- Easy to see what is waiting
- Minimize footprint
- Ease of return
- Improved aesthetics
- On feet for better alignment
- Single, modular conveyor
- Manual or powered return staging
High productivity and automation in narrow spaces - WD 350 Dual-Washer

- System outer dimensions with maintenance space just H 2500 x W 1300 x D 2225 mm
- Usable cabin inner dimensions H 670 x W 610 x D 750 (mm)
- Maintenance access optionally left or right
- Maintenance access only from one side
Top throughput in a minimum of space –
WD 390 multi chamber washer-disinfector

- System outer dimensions with maintenance compartment just
  H 2500 x W 1300 x
  D 3175 mm (3 chambers)
  D 4125 mm (4 chambers)

- Usable chamber inner dimensions
  H 670 x W 610 x D 750 (mm)

- Maintenance access optionally left or right
- Maintenance access only from one side
- Surgical instruments up to
  75 DIN trays / h
- Sterile goods containers up to
  40 DIN containers / h
- AN material up to 28 sets / h
- Utensils up to 8 cycles / h
- OR shoes up to 120 pairs / h
Large-scale washer-disinfector - WD 750

- Type tested according to EN ISO 15883 – through an accredited European test laboratory
- Most compact large-scale washer-disinfector in its class
- System outer dimensions with maintenance space just
  H 2450 x W 2300 x D 2000/2860/3600 mm
- Ergonomic, floor-level loading
- Horizontal glass sliding doors and cabin illumination for visual control of the washing process
- High level of operating safety through patented, maintenance-free friction wheel door drive
- 20 % energy savings through heat retrieval
- 30 % media and energy savings due to water management
CLEANSTATION CS 750 – Large-scale washer-disinfector for transport carts and non-medical devices

- Cleaning of large-sized non-medical devices such as transport carts, containers, OR tables, OR shoes and beds
- Short cycle times due to optimized washing technology (up to 10 cycles/h)
- Reuse of water, washing and rinsing media
- Minimal water consumption (16 – 30 l/cycle)
- 20 % energy saving by heat recovery
- Easy and safe loading/unloading (floor level)
- Process transparency due to glass doors and patented process status display
- Reprocessing of endoscopes or instruments
- Compact undercounter machine or free standing model on base
- For new installations or replacements
- Chemo-thermal processes (based on GLU or PAA)
  - e.g. for thermo-labile endoscopes
- Thermal processes (A₀ value)
  - for thermo-stable instruments

Up to 3 endoscopes with 7 channel

Up to 8 DIN instrument trays
WD 430 Cleaning Rinsing Disinfection machine for flexible endoscopes

- Single- or double door endoscope machine
- Place in concept for one or two endoscopes
- One endoscope with 10 or 2 endoscopes with 5 channels
- Undercounter or model with base
- Drawer with container for detergents (2 x 5 Liter) fully integrated into the machine
- Printer built in (standard)
- ...

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Connectivity to CSSD management software

- Archive buffer Belimed ICS 8535 EX
- All washer-disinfector and sterilizer data are networked and integrated in existing IT systems
- ICS 8535 EX saves batch parameters of up to 100,000 cycles
- Even if the CSSSD management software is down the work can go on since ICS 8535 records automatically all data
- Switch over to manual or batch printer documentation is not needed
Mobile CSSD
DDA steam disinfecter
Brochure „Accessories for the complete CSSD“
Information about some products
Detergents

And more selection available on request
www.belimed.com