Sterilizer Automation

Systems and Configurations for SPDs

Belimed

Miele Group Member

Global manufacturer & supplier for cleaning and sterilization solutions

Born from Steelco and Belimed, SteelcoBelimed pioneers sterile workflow solutions with innovation, reliability, and customer focus. “Innovate with confidence” defines our commitment to high-quality products and services, setting new industry standards in Infection Control and Life Science.

Customer Centricity

Our commitment to fully understand customers’ needs and satisfaction is prioritized.

Our products and services are designed to meet those specific needs, ensuring every decision we make benefits our customers for the best results.

Innovation

Our dedication to progress drives us to constantly seek out and embrace new ideas, technologies and methods.

This commitment ensures our products and services continually evolve and improve.

Efficiency

We strive for peak productivity by optimizing our processes, resources, and operations.

Our goal is to deliver solutions and services swiftly and effectively, without compromise, minimizing waste and maximizing value.

Reliability

We stand by our word, delivering solid and trustworthy solutions every time.

Our aim is to forge long lasting relationships built on trust and mutual respect by consistently meeting our commitments.

Transport System MST
Automated Loading and Unloading for Sterilizers

Transport System MST

The loading and unloading system is used to safely and efficiently transport instruments into and out of the sterilizer.

Loading
The loading process starts directly from the transport trolley or the queue line and is fully automated.

Unloading
After the sterilization cycle is completed, the door opens and the instruments are automatically unloaded. This allows the instruments to begin cooling immediately after the cycle.

Since the automation requires no supervision, it allows personnel to focus on other tasks which increases the efficiency of the department.

Modular Design

The transport system is configurable and can be adapted to the department's needs. The following configurations are possible:

Configurations
1. Automatic loading
2. Automatic loading with queue line
3. Automatic unloading
4. Automatic unloading with queue line
5. Automatic loading and unloading
6. Automatic loading and unloading with queue line

Robust and Reliable Construction
The robust design and construction of the transport system ensures fast and reliable loading and unloading of the sterilizer. The belt drive system ensures smooth movements and a fast loading and unloading speed.

System Overview

1. Automation Unit
2. Queue Line
3. Batch Cart
4. Transport Cart

Components
Automated Loading and Unloading for Sterilizers

Automation Unit

The automatic loading/unloading system is used for automatic loading and unloading of the chamber directly from the transport cart.

Transport Cart

The transport cart is used to transport the batch cart and can be connected to the sterilizer, the automatic loading and unloading system, or the queue line. The large wheels allow easy maneuvering, even when fully loaded. The large, ergonomically accessible locking lever allows the transport cart to be docked and locked with minimal effort.

Queue Line

The queue line is an additional parking position for a batch cart. Then the transport cart does not need to remain docked to the automation unit during loading and unloading and can be used for other purposes.

Batch Cart

The batch cart holds instruments that go through the sterilization process. The height of the adjustable shelves can be changed without needing any tools. Additional shelves can be added or removed as needed.

Dimensions, Weights, and Loads
Layouts and Configurations

MST-V Model (Single and Double Door)	Dimensions (inches)				Loading Height (inches)
	Height x Width	Length MST-V 606	Length MST-V 609	Length MST-V 6012	
MST-V Automation Unit	33 x 25	39	49	64	31
MST-V Queue Line	33 x 25	39	45	64	31
MST-V Transport Cart	39 x 25	35	45	62	31
MST-V Batch Cart	22 x 24	26	38	52	–

MST-H Model (Single and Double Door)	Dimensions (inches)				Loading Height (inches)
	Height x Width	Length MST-H 9612	Length MST-H 9615	Length MST-H 9618	
MST-H Automation Unit	15 x 25	63	76	47	14
MST-H Queue Line	15 x 25	60	73	45	14
MST-H Transport Cart	39 x 25	62	74	47 (2x)	14
MST-H Batch Cart	36 x 24	52	65	38 (2x)	–

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Innovate with confidence

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