

Transport System MST

Automated Loading and Unloading for Sterilizers



Application

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

Product Description

The TS MST transport system maximizes the efficiency of the sterilization process. This system with automatic load/unload allows the rack to be removed from the sterilizer once the cycle is complete or pushed into the chamber prior to the cycle starting without additional staff supervision. This is available for the MST-V and MST-H sterilizers. A queue line can be mounted to the automation unit and is used to hold an additional cart.

Model	Compatible with TS MST
MST-V	Yes
MST-H	Yes
MST-H Option GR	No

Note: MST-H Option GR is a ground loader sterilizer that has different automation for loading and/or unloading from the floor.

Standard Configurations

- Automated loading
- Automated loading with queue line
- Automated unloading
- Automated unloading with queue line
- Automated loading and unloading
- Automated loading and unloading with queue lines

Standard Features & Options

- 2 motorized belt drives for loading/unloading
- Cart tracking system with 2 sensors
- 2 wheels for moving transport system
- Leveling system
- Docking system

Construction

- Frame is AISI 304.
- Platform is AISI 304.
- Docking components are AISI 304

Technical Data

Description	Value
Power Supply	110 to 230 V
Frequency	50/60 Hz
Rated current	0.5A
IP protection class	IP30
Operating temperature	41°F to 104°F (5°C to 40°C)
Maximum relative humidity	80% at temperatures up to 88°F (31°C) to 50% at 104°F (40°C)
Loading Height MST-V 09.02	31.1 in ± 0.6 in (790mm ± 15mm)
Loading Height MST-V 10.02	13.8 in ± 0.6 in (350mm ± 15mm)



Dimensions

Model	Dimensions (H x W x L) (in/mm)
Transport Cart for MST-V	39 x 25 x (35-62) (in) 1000 x 637 x (890-1565) (mm)
Transport Cart for MST-H	39 x 25 x (47-74) (in) 1005 x 637 x (1190-1885) (mm)
Queue Line for MST-V	33 x 25 x (35-60) (in) 829 x 638 x (878-1523) (mm)
Queue Line for MST-H	15 x 25 x (45-73) (in) 389 x 638 x (1148-1843) (mm)
Batch Cart for MST-V	22 x 24 x (26-52) 563 x 600 x (655-1330) (mm)
Batch Cart for MST-H	36 x 24 x (38-52) (in) 913 x 600 x (955-1650) (mm)
Automation Unit for MST-V	33 x 25 x (39-64) (in) 829 x 638 x (989-1614) (mm)
Automation Unit for MST-H	15 x 25 x (49-76) (in) 389 x 638 x (1239-1934) (mm)
Gate for MST-V Sterilizer Racks	77.5 x 31.5 x 8.75 (in) 1970 x 800 x 220 (mm)
Gate for MST-H Sterilizer Racks	77.5 x 31.5 x 8.75 (in) 1970 x 800 x 220 (mm)

Standard Compliances

TS MST is UL listed.

Configurations for MST-V 09.02

Chamber Size	Automation Size	Queue Line Size	Batch Cart Size
606	6	6	6
609	9	9	9
6012	12	12	12

Configurations for MST-H 10.02

Chamber Size	Automation Size	Queue Line Size	Batch Cart Size
9612	12	(optional)	12
9615	15	(optional)	15
9618	9	9	9 (2x)

Settings and additional features

- TS MST can be switched on/off from the sterilizer control panel.
- For cleaning/maintenance, the automation can be easily disconnected from the sterilizer without tools.

CUSTOMER IS RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE LOCAL AND NATIONAL CODES AND REGULATIONS