Product Specification

CS 750 Cart Washer

Product Description

The CS 750 Cart Washer is designed to effectively, and quickly, wash and dry case carts, containers, basins and utensils while using minimal water. The CS 750 is available in various chamber lengths to fit capacity and throughput needs of any SPD. All models are dual door.

Application

Sterile Processing Departments

Models & Dimensions

Model	Usable Chamber Size w x h x d (mm)
CS 750 S / CS 750 SE	39" x 79" x 53" (1000 x 2000 x 1350)
CS 750 M / CS 750 ME	39" x 79" x 91" (1000 x 2000 x 2300)
CS 750 L / CS 750 LE	39" x 79" x 116" (1000 x 2000 x 2950)

Note: For reference only. Refer to cut sheet for construction purposes

Options & Accessories

Options

- No Pit Option
- Seismic Anchoring Kit
- Electrically Heated

Accessories

- Container Wash Cart

Standards

- UL
- prEN ISO 15883-7
- EN 61010-1, En 61010-2-040
- EN ISO 15883-1
- EN ISO 13485
- EN ISO 13849-1
- EN 55011
- DIN ISO 60204-1
- EN 60601-1-2
- EN 60601-4-X
- EN ISO 14971

Standard Features: Construction / Design

Loading Height

Standard configurations require a pit mount for ground level loading. A no pit option, with load and unload ramps, is available when a pit cannot be constructed.

Chamber

The stainless steel pan is self-supported without seams to protect against leaks. The roof is designed as a ridged structure to support the additional components. External surfaces, top and sides, are insulated.

Chamber Ceiling

A pitched angle ceiling directs water to the sides of the chamber and minimizes dripping on the washed goods, aiding in reduction of the dry time.

Floor

A perforated, four section, stainless steel floor allows fast draining of water back to the sump as well as a solid surface for walking. Each floor section can be hinged up to gain access to the pan below.

Doors

Inward opening pivoting double walled thermo-glass doors prevent water from dripping outside the chamber. The doors are pneumatically driven through a single piston for each door. In operation mode only one door can be open at the same time. A water tight condition is maintained using a circumferential silicone seal around the door perimeter and a hollow profile seal at the door compression point between the two doors.

Control System

An SAIA unit is used to control machine functions. Messages are displayed on a color LCD TFT panel and capacitive sensitive input touch areas around the display are used to input information and start the cycle.

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Standard Features: Construction / Design (continued)

Spray Bars
Dual spray bar system dedicates one set of nozzles to wash water and the second to rinse water. The bars will travel to each end of the chamber. The nozzles have a 120 degree spray pattern to maximize coverage and along with the full end to end travel apply fluid to all 4 sides. Nozzles are easily removed, through a quarter turn, for ease of maintenance.

Tilt Mechanism
Pneumatically driven cylinders tilt the floor to approximately a 4 degree pitch. The inclined position minimizes formation of water puddles on flat cart surfaces and improves rinsing and drying effectiveness. The tilt function can be programmed into any step; wash rinse and dry.

Rinse Heat Exchanger
The rinse water is heated inside the tubular heat exchanger by a steam coil, or electric heating elements, and control valve. Hot water passes through the heat exchanger during the rinse cycle to super heat the loaded carts and rinse away residues from cleaning. A temperature switch is used to control temperature of the output rinse water.

Dryer System
Dual steam to air heat exchangers or electrical heater elements, provide hot dry air which is circulated within the chamber and exhausted to ductwork.

Tank Wash System
Wash water is saved in an 80 gallon tank and about 90% is recycled to minimize water use to about 8 gallons per cycle. It is programmed to dump and refill once a day, at the programmed time. Rinse water from the previous cycle is used to refresh approximately 10% of the wash tank volume. Wash tank water temperature is programmable.

Process Status Display
A large, round, segmented LED backlit display, located on both sides of the machine above the control and display panel indicates remaining time in the cycle. It also indicates errors by flashing red when a fault occurs. Each segment indicates 1 minute of cycle time remaining. When the cycle is complete the entire display will flash until the unload side door is opened.

Emergency Stop Buttons
Located on each side next to the door as well as two located inside the chamber.

Water Filters
Located in the floor and in the service area, these screen filters should be checked daily.

Drain Discharge Cool Down
The only water to be sent to the drain is from the wash tank, kept at 60°C (140°F) or less. Therefore no drain discharge cool down, which typically uses additional cold water, is required.

Cycle Description
Note: Belimed does not in any way intend, recommend or represent that this CS 750 cart and utensil washer be used for the terminal decontamination of any regulated medical device.

If there is any doubt about the use of a specific material or product contact the manufacturer of the product for their recommended cleaning process & techniques.

Wash
Hot water is stored, dosed, and heated in a wash tank and re-circulated. Once a day the tank is emptied to the drain, is re-filled and re-dosed with detergent.

Rinse
Fresh hot water is used and heated by an on-demand steam driven heat exchanger. Water temperature is controlled, factory default set to 200F for 1 minute minimum. The rinse water is then sent to the wash tank, as a refresh, and is dosed with detergent.

Drying
After rinse is completed the chamber is exhausted to remove moist vapor. Fresh air is then pulled in and passed over the dual steam to air heat exchangers or electric heating elements, and sent to the chamber. The air is vented through a damper to the exhaust system. The exhaust fan remains on after the clean side doors are opened to minimize travel of warm, moist air into the room.

Cycle Time

Model	Cycle Time (Min)*
CS 750 Cart Washer	8

*Cycle time is for typical utility conditions and may vary based on the extent to which actual utilities adhere to specifications.

Automation
Not available with this model.

Preventive Maintenance
Belimed recommends regular preventive maintenance to ensure proper operation of the equipment. Belimed maintains a nationwide, factory trained Service Technician Group who can perform this maintenance and/or train Biomedical staff on the proper procedure. Belimed also offers a number of PM and Service Plans. Contact Belimed Technical Service for more details.

REV7.14.2023_Q0

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