Product Specification

WD 250 Washer / Disinfector

Product Description

The WD 250 Washer / Disinfectors is engineered to provide the most effective wash of instruments, containers and basins with minimal use of natural resources.

With an efficiently designed stainless steel chamber and unique high volume / low pressure water circulation system, it can process up to 10 DIN trays of instruments and ensure Intermediate Level Disinfection with an A_0>3000, per ISO 15883-1.

The WD 250 is available with 2 powered, vertically sliding doors with full glass for complete viewing.

Application

For use in Healthcare facilities for the processing of re-usable instruments, utensils and other hard goods.

Dimensions

Chamber H x W x D:	27" x 24.75" x 26"
	690 x 630 x 660 mm
External H x W x D:	72.5" x 35.5" x 31.5"
	1840 x 900 x 800 mm

Options & Accessories

Model

- WD 250

Heating Options

- Electric, 208V

Doors

- Double

Options

- Printer
- Additional Dosing Pump
- Seismic Anchoring Kit
- DI Pre-heater

Accessories

- 1 Level Rack
- 2 Level Rack
- 3 Level Rack
- 4 Level Rack
- 5 Level Rack
- Endoscopic Rack
- Endoscopic 2 Level Rack
- 1 Level Utensil Rack
- 2 Level Utensil Rack
- 1 Level Basin Rack
- 2 Level Basin Rack
- Transport Cart

Standards

- UL 921, ISO 15883-1

Standard Features: Construction / Design

Doors & Seal

Double wall safety glass with silicon polymer door seal. Powered, vertically sliding doors.

Chamber

Stainless steel, type 316L.

Exterior

Stainless steel

Service Access

Service access panels on the front, above and below the chamber as well as a pull out area for access to control system electronics.

Dryers

Two high performance blowers force air through a 10.5 kW heater to produce hot, dry air. Air is filtered through a HEPA system.

Vented Exhaust

Drying air is exhausted through a damper flap.

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Features: Standards & Options (continued)

Control System
Microprocessor based control system with a sealed tactile membrane keypad and a 2 x 20, 5/16" high character, vacuum florescent display.

Internal Diagnostics
Components and parameters are monitored and any fault or error conditions are logged for retrieval to aide in repair diagnosis.

Smart Water Filling
During each cycle phase, water enters the sump and the circulating pump starts as soon as there is sufficient water. Sensors monitor water levels and additional water is added, as needed, depending upon the load size. Withthis active system, smaller loads will use less water and detergent than larger loads.

Fully Draining Pump
The water circulation pump fully drains between each cycle phase to ensure no residual water remains inside the pump housing, This reduces the potential for bacterial build up and cross contamination.

Rotary Wash Arms
Located on the top and bottom of the chamber, and on each level of the loading racks, the design includes specifically located, large spray holes for maximum coverage, high water flow rates and effective cleaning.

Water Circulation Pump
A 1-1/3 HP (1100 watt) stainless steel pump circulates water through the spray arms at a 195-234 gallons per minute rate.

Dosing Pumps
Four (4) peristaltic dosing pumps are included with options to add an additional, up to a total of five (5). Optional flow meters can be added to monitor detergent dosing levels.

Available Cycles
Leaves the factory with 6 pre-programmed cycles that can be tailored, in the field, to meet user requirements and conditions. A total of 12 program cycles can be stored.

Dual Temperature Sensors
Two sensors provide a cross check that proper water temperatures are met. If readings deviate beyond a set tolerance a message is displayed.

Standard Cycle Description

Pre-Wash
Cold water is used to rinse blood and other loose contaminants before the wash phase. Water enters the sump and the pump starts when a minimum is reached. Water continues to fill the sump, as needed, while being circulated. At the end of this phase the water is sent to the drain.

Wash
Hot and cold water are mixed, depending upon the type of detergent being used, to reach the proper temperature. Detergent solution is dosed for the proper concentration. At the end of this phase the water is sent to the drain.

Rinse
Hot water is used to rinse off any detergent residue. Depending upon the detergent used, there may be two (2) rinse phases. An Acid neutralizer may be needed in the first rinse if an alkaline detergent was used. At the end of this phase the water is sent to the drain.

Thermal Rinse
Hot water, preferably DI, is used and heated, as it is circulated, to 93°C. Water is circulated, at temperature, for 2.5minutes (factory default) to reach a disinfection $A_0 > 3000$.

Drying
Fresh air is drawn through a HEPA filter then passed over electric elements. The air is vented through a damper, typically to the HVAC system.

The above cycle description, with one post wash rinse step, will result in a typical cycle time of about 30 minutes. Time will vary depending upon variations in utilities such as water temperature and pressure, steam pressure, and DI/RO water flow rate.

Easy Installation
Matching stainless enclosures, fabricated for various ceiling heights, are available to provide a smooth finish to wall recessed washers. For single, standalone units, a full stainless enclosure is provided.

All utility connections are easily accessible at the top of the washer.

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 Plans. **Contact Belimed Technical Service for more details.**

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