Product Specification

WD 200 Washer / Disinfector

Product Description

The WD 200 Washer / Disinfector 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 12 DIN trays of instruments and ensure Intermediate Level Disinfection with an A_0>3000, per ISO 15883-1.

The WD 200 is available with 2 hinged 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:	24.6" x 22.6" x 24.3"
	625 x 575 x 617 mm
External H x W x D:	72.5" x 26.7" x 28"
	1840 x 680 x 710 mm

Options & Accessories

Model

- WD 200

Heating Options

- House Steam
- Electric, 208V

Options

- Printer
- Additional Dosing Pump
- Seismic Anchoring Kit
- DI Pre-heater (electric heating)

Accessories

- 1 Level Rack
- 2 Level Rack
- 3 Level Rack
- 4 Level Rack
- Endoscopic Rack
- 1 Level Basin Rack
- 2 Level Basin Rack

Standards

- UL60601-1, ISO 15883-1:2006

Standard Features: Construction / Design

Doors & Seal

Double wall glass with silicon polymer door seal. Manual, hinged doors.

Door Interlock

The control unit allows only one door opened by time, for clear separation of dirty and clean zone. Can be software configured as a single door washer.

Chamber

Stainless steel, type 316L.

Chamber Illumination

The washing chamber is illuminated by two integrated halogen lamps. This feature supports the operator in visual process inspection.

Exterior

Stainless steel

Service Access

Service access panels on the front, above and below the chamber.

Dryers

Air is filtered through a HEPA system and directed over 3.5 kW heaters.

For more information, visit belimed.com

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Features: Standards & Options (continued)

Vented Exhaust
Drying air is exhausted through a damper flap.

Control System
Microprocessor based control system with touch sensitive keys.

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. With this 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 stainless steel pump circulates water through the wash arms at 165 gallons per minute rate.

Dosing Pumps
Two (2) peristaltic dosing pumps are included with options to add an additional two, up to a total of four (4).

Flow Meters
One flow meter is placed in series with each dosing pump to ensure detergent and lube flow is occurring.

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 level 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. The standard cycle setup uses one (1) rinse phase. If an alkaline detergent is used, an additional rinse with acid neutralizer is necessary. 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 2.5 minutes (factory default) to reach a disinfection $A_0 > 3000$.

Drying
Fresh air is pulled through a HEPA filter then passed over electric heating elements into the wash chamber. 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 32 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
Full stainless side panels are 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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