

# DISHWASHING

## Rooms

261, 361 “Glass wash and Autoclave”

## Model

Belimed WD230

## Basic Operation

### Load the glassware

Use the baskets with vertical posts for beakers, small flasks, small graduated cylinders, and caps. Use the cover to prevent small items from getting flung off.

Use the tri-post racks for flasks.

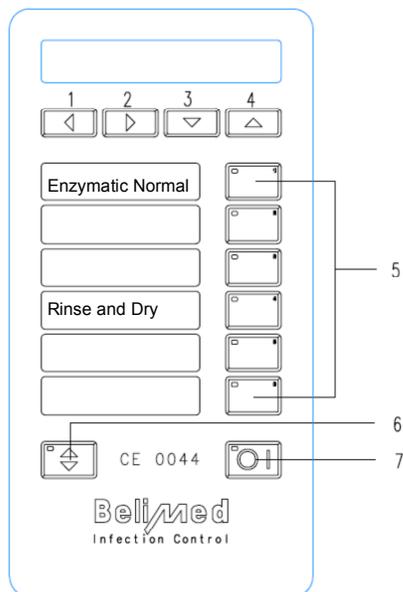
Make sure glass items will not be bumping each other too violently.

Load up to 4 of the filled trays onto the double-decker rack.

Use the single level rack for tall items, such as large volume graduated cylinders. Make sure Nalgene items do not have a lot of room to spin on their posts, as the tip of the post will etch circles into the Nalgene. Make sure every item loaded onto a spray post is sitting on the little plastic foot (raise or lower the plastic feet by pinching the clamp below them), rather than hanging from the post. You can remove and replace the posts as needed.

Slide the tray in so that the ports for water line up with the ports to your right on the inner wall of the chamber.

### Read the control panel



#### Legend

##### 1- 4 Arrow keys

1. Print operational data such as program recipe and setup data.  
Activate **self-disinfection** ON / OFF

2. **Beeper** ON / OFF, at program end or in case of error acoustic signal occurs.

3. **Printer** ON / OFF

4. **Shift** key programs P7 - 12

##### Program keys (PT) 1, 2, 3, 4, 5, 6

5. **Selecting programs** P 1-6, with shift P 7-12

6. **Door button**, door open / close.  
With CS door open, beeper is activated with door button

7. **Reset and ON / OFF** (IO) button respectively.  
By pressing for 4 seconds, then releasing, batch number and machine No. is shown.

(from p. 13, User Operating Instructions, WD 230)

### Open the door

Turn the machine on . (If you press button too long, the display changes from this:

Program ready

to this:

1 Analysis

Just press it until it says ready again.)

DS Door open

2 Dosage

Turning the machine on starts heating up the water in the tank. Press the door button  to unlock the handle. Turn the lever clockwise to open.

## Shut the door

Close and lock the door by turning the handle counter clockwise, so the display changes

from this:

Program ready DS Door open
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to this:

Program ready mm/dd/yy AM hh:mm
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## Choose a cycle

There are two cycles programmed into the washer. Use P4 to rinse dusty glassware; P1 for everything else.

Program	Name	Step		min
P1	ENZYMATIC NORMAL	1	Cold water rinse	2
		2	hot water wash	5
		3	cold water rinse	1
		4	cold water rinse	1
		5	cold water rinse	1
		6	hot DI water rinse	1
		7-1	Dry 120°C	3
		7-2	Dry 100°C	7
P4	RINSE AND DRY	1	hot DI water rinse	1
		2-1	Dry 120°C	3
		2-2	Dry 100°C	7

## While it's running

The display tells you where the machine is in the cycle: which program (P1 – P6), which step (●) out of how many steps ( \_ ), how many minutes remain in the program, what it's doing, and the temperature of the water or air.

P1 ◀ ●● _ _ _ _ ▶ 23 Min
Cleaning 65°C

## When it's done

The display says “Program correctly finished.” When you are done for the day, turn the machine off  so it doesn't have to keep the water in its tank hot for days on end.

## Manuals

A user manual and a technical manual can be found in the drawer cleverly labeled “Manuals”. Do not remove them from the room.

## Programming

There is a cheat-sheet in the Manuals drawer that says what all the program step abbreviations mean. Don't use it if you don't need to. See Kate or Lou before changing either P1 or P4.

## Repair

Derrick	843-860-9457	technician who came out when it first needed repair
Bob	786-423-1510	trainer
Skip	617-699-5642	sales
James Egge	843-216-7424 x119	sent me the manuals via email
Service	800-451-4118	