

# PERFORM Operating Document

## Use and Maintenance of Undercounter High Temperature Dishwasher

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### Revision History

Version	Reason for Revision	Date
03	Created a more condensed version	July/09/2019

## 1. Overview

### 1.1 Purpose

PERFORM Centre Metabolic Kitchen has an Undercounter High Temperature Dishwasher, which is an industrial appliance used for cleaning and sanitizing a single rack of dishware. The content of this PERFORM Operating Document (POD) provides guidelines for the use and maintenance of the Undercounter High Temperature Dishwasher. This document is designed to serve ONLY as a basic overview. See section 2.8 for additional resources.

## 2. Undercounter High Temperature Dishwasher

### 2.1. Overview of dishwasher

- Digital displays for Wash Temperature and Final Rinse Temperature
- Final Rinse Pressure Gauge
- Optional Extended Wash cycle for hard to clean dishware
- Rinse Sentry feature to ensure rinse water is up to temperature
- In-cycle light indicating dishwasher is washing or in Rinse Sentry Mode

### 2.2. Basic operating guidelines – Normal Wash Mode

- Ensure drain hose and fill hose are not kinked, and water source is on.
- Check chemical supply containers for adequate solution (detergent and rinse-aid). Chemical solution jugs are found to the left of the dishwasher.
- Close dishwasher door and push Power Switch UP to turn dishwasher ON.
- As the dishwasher fills, make sure the incoming water pressure is between 20-22 psi (see gauge bottom left of dishwasher).

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- Open door and check the water level in the wash tank compartment. The water fill level should reach the top-left edge of the wash tank compartment.
- Close the door completely. If the dishwasher is open for more than 5 seconds, the dishwasher will restart the cycle.
- Wait 10 minutes for the Wash Temperature to reach a minimum of 150°F/66°C.
- Place scraped dishware on to dish racks. Use a peg rack for plates, glasses, cups, and bowls. Use flat-bottom racks for utensils (placing them in a single layer) and pots and pans. Be careful not to overload racks.
- Slide ONE dish rack into the wash compartment of the dishwasher.
- Close the door completely and push the START button.
- Check that the Rinse Temperature is a minimum of 180-195°F/82-91°C.
- Total run time is approximately 1.5 minutes or 6.5 minutes if Rinse Sentry Mode is engage (see 2.3. Rinse Sentry Mode).

### **2.3. Rinse Sentry Mode**

- If the rinse water is not up to temperature, the Rinse Sentry Mode will automatically engage.
- The Rinse Sentry Mode extends the wash cycle time until the booster heater is able to maintain a water temperature of above 180-195°F/82-91°C.
- The Rinse Sentry Mode takes approximately 5 minutes.
- The in-cycle light remains on during the Rinse Sentry Mode.

### **2.4. Extended Wash Mode**

- The Extended Wash Mode is designed to wash heavily soiled dishware, extending the normal wash cycle from 70 seconds to up to 15 minutes. Follow the first 7 bullets of 3.1. Basic operating guidelines – Normal Wash Mode.
- To engage the Extended Wash Mode load a dish rack into the dishwasher, close the door, and press START. After the green in-cycle light illuminates, wait 10 seconds for the detergent to enter the wash compartment, and then press the EXT WASH button. The green extended wash light will illuminate.
- The dishwasher will continue to wash for a maximum of 15 minutes, unless the operator presses the EXT WASH button again. Pushing the EXT WASH button again resumes the Normal Wash Mode where dishes will enter the rinse mode.

### **2.5. Maintenance after use**

- Empty the scrap screen found on the floor of the washing compartment. Carefully remove the screen and rinse with clean water from both sides.
- Leave dishwasher door open to dry overnight.
- Do NOT strike the screen against the edge of a garbage can to remove debris.

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- Inspect the rinse arms for any damage.
- Inspect the walls of the washing compartment for lime deposit build up.
- For additional weekly and monthly maintenance, see 2.8. Additional references

### **2.6. Cautions**

- Only your chemical supplier should adjust your chemical dispensers and choose the non-chlorinated detergents and rinse-aids for your dishwasher.
- Wash Temperature must meet a minimum of 150°F/66°C.
- Rinse Temperature must meet a minimum of 180-195°F/82-91°C.
- Only ONE dish rack can be washed at a time.
- If the dishwasher remains open for more than 5 seconds the cycle will restart.

### **2.7. Timing**

- It takes approximately 10 minutes for the booster heater to heat the water up to temperature before the dishwasher can be started.
- Wash cycle runs for approximately 70 seconds.
- The wash cycle is followed by the final rinse cycle, which runs for approximately 15 seconds.
- The Rinse Sentry Mode (see 2.3. Rinse Sentry Mode) takes approximately 5 minutes.
- The Extended Wash Mode runs for a maximum of 15 minutes.

### **2.8. Additional references**

- The complete appliance manual can be found as a hard copy in the Teaching Kitchen office (S1.224) and as a PDF [here](#).
- The complete manual includes information regarding the following: Warranty, Installation, Initial Start-up, Operation, Cleaning and Maintenance, Service Replacement Parts, Electrical Schematics, and Basic Service.