



M-iClean



**Undercounter High Temperature Sanitizing Dishwasher
(USA Version)**

OWNER'S INSTALLATION, OPERATION AND MAINTENANCE MANUAL

Model UM with GiO Module Accessory



TABLE OF CONTENTS

1. INTRODUCTION	3	4.3 Loading Guidelines	8
1.1 Overview of Equipment	3	4.4 Operation	9
1.2 General Safety Information	3	4.5 Interrupting a Wash Cycle	9
2. TRANSPORT AND SHIPPING	3	4.6 Between Cycles	9
3. INSTALLATION	4	4.7 Shutdown	9
3.1 Overview of Installation	4	4.8 Low Detergent Indicator	10
3.2 Requirements Before Installation	4	4.9 Manual Water Change	10
3.3 Uncrating, Positioning and Leveling	5	5. CLEANING	11
3.4 Accessing the Utility Connections	5	5.1 Daily Cleaning (or as required)	11
3.5 Priming the Detergent and Rinse Aid Lines	6	5.2 Exterior Cleaning (as required)	11
3.6 Checking for Correct Chemical Concentration	6	5.3 Deliming (as required)	12
4. OPERATION	7	7. TROUBLESHOOTING	13
4.1 Location and Description of Controls	7	7.1 Operating Issues (no messages)	13
4.2 Startup	8	7.2 Display Messages	13
		7.3 Carbon and Sediment Filter Replacement ..	15

THIS DISHWASHER IS DEACTIVATED FOR SHIPMENT. ATTEMPTING TO TURN ON THE MACHINE WHILE IT IS DEACTIVATED WILL GENERATE AN ERROR 1 MESSAGE IN THE DISPLAY.

TO ACTIVATE THE MACHINE, THE OWNER/OPERATOR SHOULD CALL MEIKO AT 1 (800) 868-3840 TO SCHEDULE A FREE PERFORMANCE AND INSTALLATION INSPECTION, WHICH ACTIVATES THE MACHINE AND YOUR WARRANTY.

THIS INSPECTION ALSO ACTIVATES YOUR 3-MONTH FILTER CHANGE INTERVAL. CARBON AND SEDIMENT FILTERS **MUST** BE CHANGED EVERY 3 MONTHS. IN ADDITION, THE MACHINE **REQUIRES** A WATER SUPPLY WITH A HARDNESS IN THE RANGE OF 1-20 GRAINS PER U.S. GALLON. FAILURE TO CHANGE THE FILTERS AS SCHEDULED, OR USE OF THE MACHINE WITH INCORRECT WATER HARDNESS, WILL VOID THE WARRANTY OF YOUR DISHWASHER'S RO SYSTEM.

AN ELECTRICAL WIRING DIAGRAM IS LOCATED INSIDE THE LOWER-FRONT COMPARTMENT OF THIS MACHINE.

MEIKO M-iCLEAN DISHWASHERS HAVE BEEN DESIGNED EXCLUSIVELY FOR THE WASHING OF DISHES, GLASSWARE, CUTLERY AND KITCHEN UTENSILS IN A COMMERCIAL OR INSTITUTIONAL SETTING AND MUST NOT BE USED FOR ANY OTHER PURPOSE.

MEIKO ACCEPTS NO RESPONSIBILITY FOR DAMAGE TO THE APPLIANCE, SURROUNDING EQUIPMENT OR ENVIRONMENT THAT IS CAUSED BY INAPPROPRIATE INSTALLATION OR OPERATION, OR FROM ANY SERVICE THAT IS UNDERTAKEN BY NON-AUTHORIZED PERSONNEL, OR FROM THE USE OF ANY PARTS EXCEPT THOSE THAT ARE APPROVED BY THE MANUFACTURER. ANY SUCH INSTALLATION, USE OR SERVICE WILL IMMEDIATELY VOID THE MANUFACTURER'S WARRANTY.

ANY MODIFICATIONS TO THE APPLIANCE THAT ARE PERFORMED WITHOUT THE WRITTEN PERMISSION OF MEIKO WILL IMMEDIATELY VOID THE MANUFACTURER'S WARRANTY.

MEIKO reserves the right to change any specifications without notice at any time.

© 2017 MEIKO USA, Inc. All rights reserved.

1 INTRODUCTION

1.1 Overview of Equipment

The MEIKO M-iClean is a commercial dishwasher designed for cleaning dishes, glassware, cutlery and kitchen utensils with a minimum of employee intervention or supervision.

Features of the dishwasher include:

GiO Module Accessory - An internal reverse osmosis system is incorporated into the machine. Incoming water is forced through a semipermeable membrane to remove dissolved solids including salts and soils, providing outstandingly clean final rinse water. Glasses dry spot-free without the need for hand-polishing.

Illuminated door handle - Visible from across the room, the color of the handle provides visual cues to the operator about the machine operating state (ready for operation, washing, important messages).

Glass touchscreen display - Provides a range of information in plain text, including wash and rinse tank temperatures, selection of different cycle times, a graphical progress bar, operating state, and service information.

M-iClean Filter - During operation, food soil is continually strained from the wash water by the two-stage M-iClean Filter. Soil is automatically drained out of the machine at the end of each cycle. This improves washing results, and minimizes both detergent use and manual cleaning.

Color coded components - Components that require manual cleaning are colored blue for intuitive operation and easier staff training.

Auto Safe - The internal booster heater is automatically regulated to ensure proper sanitizing temperatures, regardless of the incoming water temperature.

Soft Start - The wash water is pumped at a reduced pressure for the first few seconds of the wash cycle, protecting the ware from being moved by a sudden burst of pressure.

Pumped Final Rinse - An internal rinse pump ensures that the final rinse pressure is constant, for efficient operation and consistent results.

Pumped Drain - Accommodates wall or floor drains.

Leak Detection System - Stops machine operation if an internal leak is detected.

For efficient and SAFE operation, be sure to follow the installation and operating instructions provided in this manual. In particular, all safety symbols and notices on the equipment and in the supplied documentation must be followed.

IMPORTANT

The MEIKO M-iClean dishwasher has been designed exclusively for the washing of dishes, glassware, cutlery and kitchen utensils in a commercial or institutional setting and must not be used for any other purpose.

1.2 General Safety Information

The following symbols and headings are used throughout this manual to indicate possible hazards to persons or to the equipment. The symbols and headings are shown in order of importance. The descriptive text following these headings is *italicized* for easy recognition.



WARNING!

Possible hazard to persons, such as from electrical shock, crushing, or hot surfaces.

CAUTION

Possible hazard to the dishwasher or to other equipment.

IMPORTANT

Vital information or tips for the installer or operator.

NOTE

Information or tips for the installer or operator.

2 TRANSPORT AND SHIPPING

CAUTION

*Some water may remain in the lines after pre-shipping testing. During shipping and installation, the dishwasher should **ONLY** be positioned upright.*

IMPORTANT

- *Observe any notices on the crating material that pertain to shipping.*
- *Use care when transporting the equipment.*
- *As you unpack the equipment, check that all components shown on the shipping invoice are present and intact. Be sure to check for shipping damage. If shipping damage is present, call MEIKO Customer Service at 1-800-868-3840, providing full details on the customer, serial number and extent of damage present. MEIKO will file a freight claim based on this information.*



WARNING!

*In **NO EVENT** should a damaged appliance be installed or operated!*

3 INSTALLATION

3.1 Overview of Installation

The owner should contract with qualified personnel to move the appliance to the installation location, unpack it, and prepare it for final utility connections. In most cases, local codes prevent the final utility connections from being made by any party other than a licensed electrician and/or plumber.

IMPORTANT

It is the responsibility of the owner to ensure that all aspects of the installation comply with all applicable local and national codes.

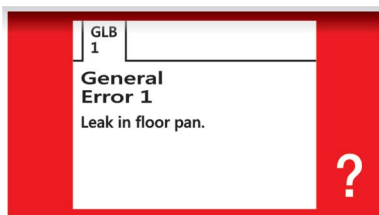
IMPORTANT

The appliance's warranty is not valid until a MEIKO Authorized Service Agent performs a Performance and Installation Inspection on the appliance. This Inspection should be scheduled after installation.

CAUTION

THIS DISHWASHER IS DEACTIVATED FOR SHIPMENT. Attempting to turn on the machine while it is deactivated will generate an **ERROR 1** message in the display. See Figure 3-1.

Figure 3-1: Initial message (first power-on)



To activate the machine, the owner/operator should call MEIKO at 1 (800) 868-3840 to schedule a free Performance and Installation Inspection, which activates the machine and your warranty.

*This Inspection also activates your 3-month filter change interval. Carbon and sediment filters **MUST** be changed every 3 months. In addition, the machine **REQUIRES** a water supply with a hardness in the range of 1-20 grains per U.S. gallon. Failure to change the filters as scheduled, or use of the machine with incorrect water hardness, will void the warranty of your dishwasher's RO system.*

Installation of the dishwasher involves the following steps:

- Verifying that the utility connections are present, are appropriate for the appliance, and comply with all applicable local and national codes.
- Unwrapping the appliance (leaving the shipping skid in place for easier movement) and checking for shipping damage.
- Moving the appliance to the installation location, removing the skid, and leveling the feet.
- Connecting the electrical supply.
- Connecting the fresh water supply.
- Positioning the drain hoses, or assembling them to the common drain adapter (if used).
- Connecting the warewasher's detergent and rinse aid tubes to appropriate dispensers.
- Priming the detergent and rinse aid pumps.
- Contacting your MEIKO Authorized Service Agent to perform a Performance and Installation Inspection on the appliance. This step also validates the appliance's warranty.

3.2 Requirements Before Installation

Before the installer can uncrate and move the appliance to the installation location, the following conditions **MUST** be met:

- **INSTALLATION AREA REQUIREMENTS**
 - The area **MUST** be frost-free. Freezing temperatures (32°F/0°C or lower) inhibit proper operation and can damage internal components.
 - The area **MUST** have a firm floor surface. It is possible to compensate for uneven flooring by adjusting the feet.
 - The area should be away from appliances, furniture or surfaces that can be damaged by steam. If this is not possible, these items should be protected from the small quantities of steam that are released during normal operation of the dishwasher.
- **UTILITY CONNECTION REQUIREMENTS**
 - Connections must be present and ready for hookup to the appliance. All utility supplies must comply with the electrical information labels, with the information on the data plate, and with all applicable local and national codes.
 - Electrical leads and the water supply hose (supplied by the customer) must be present.
 - Appropriate chemical dispensing containers should be installed and ready for connection to the appliance.
- **GENERAL REQUIREMENTS**

Authorized personnel should be available to perform the actual utility connections.

3.3 Uncrating, Positioning and Leveling

CAUTION

Some water may remain in the lines after pre-shipping testing. During shipping and installation, the dishwasher should ONLY be positioned upright.

1. Remove all shipping and packaging material from the appliance, including supports and wrappings. Leave the shipping skid in place at this time to allow for easier movement to the installation location.
2. Check for shipping damage as described in Section 2, "Transport and Shipping." If damage is present, call MEIKO Customer Service at **1 (800) 868-3840**, providing full details on the customer, serial number and extent of damage present. MEIKO will file a freight claim based on this information.
3. Move the appliance to the installation area and remove the skid. Use caution to avoid damaging the appliance or any of its components.

4. Check that the plastic feet are attached to each of the four adjustable leg bolts. If necessary, attach them by pressing them firmly onto the end of the bolts.
5. Using a spirit level, check that the appliance is level in both directions (front-to-back AND side-to-side). If necessary, rotate the leg bolts to level the appliance.

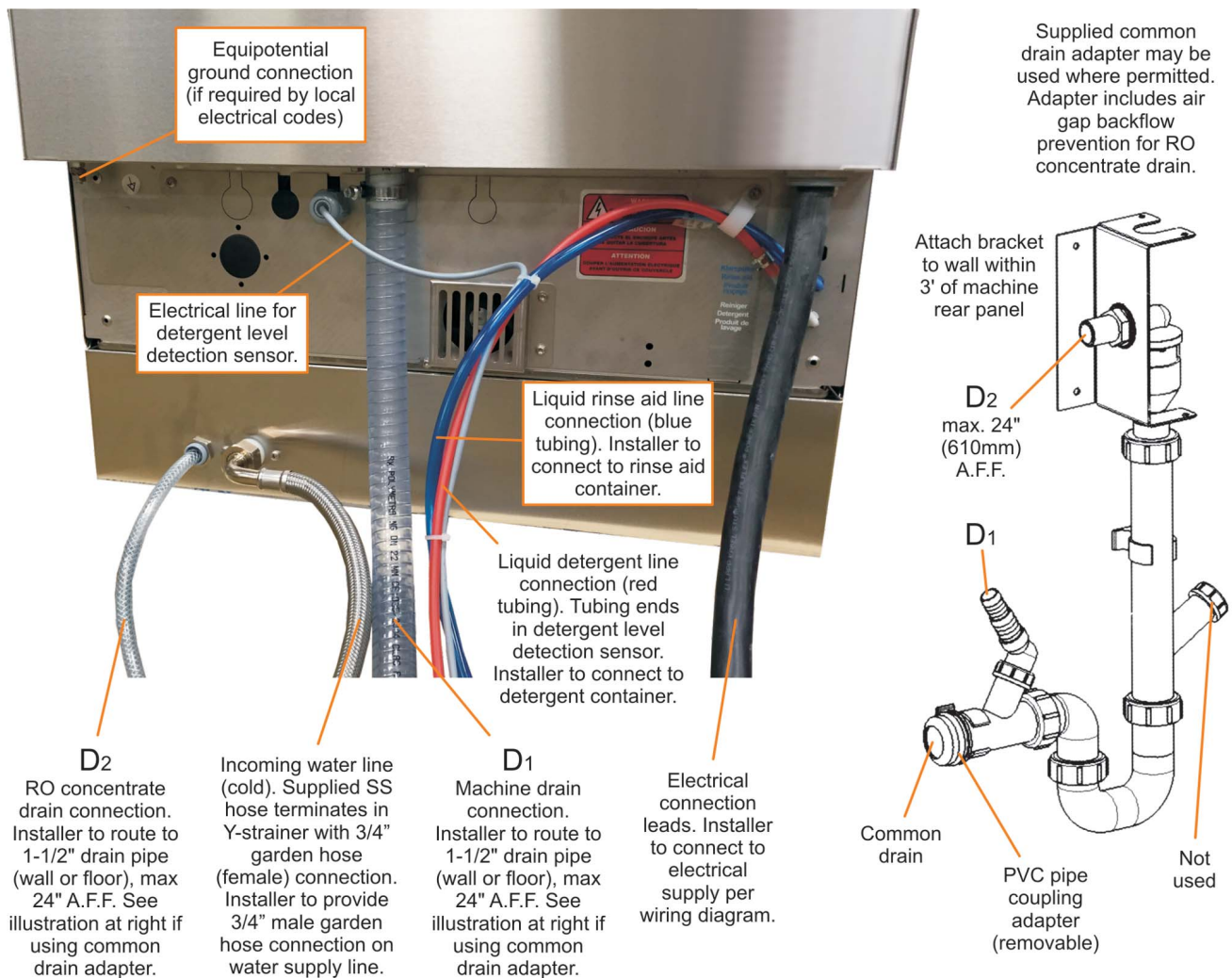
CAUTION

The dishwasher MUST be level for proper operation.

3.4 Accessing the Utility Connections

Utility connections are accessible on the lower rear of the dishwasher. See Figure 3-2. In most cases, local codes prevent the final utility connections from being made by any party other than a licensed electrician and/or plumber.


Figure 3-2: Utility connection locations

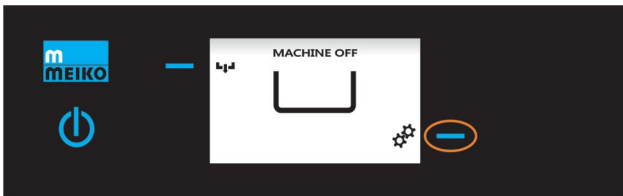




3.5 Priming the Detergent and Rinse Aid Lines

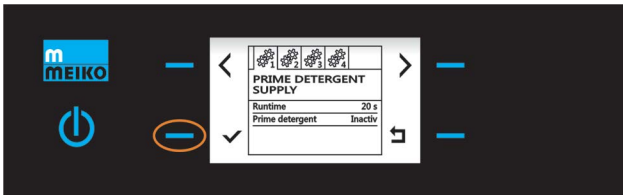
After the machine has been connected to appropriate detergent and rinse aid containers, the supply lines must be primed to remove air from the lines. To prime the lines, use the following procedure.





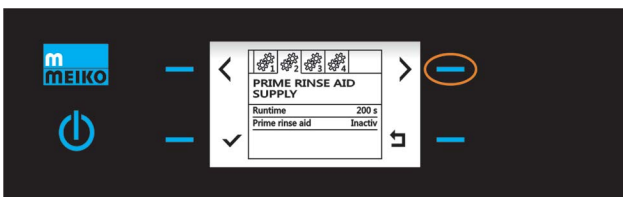
To turn the machine on, press and hold  or open the door. The display will turn on.



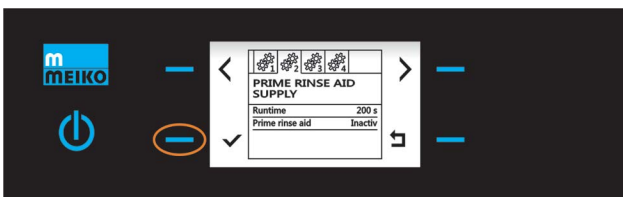
Press the  key next to the  action symbol on the display.





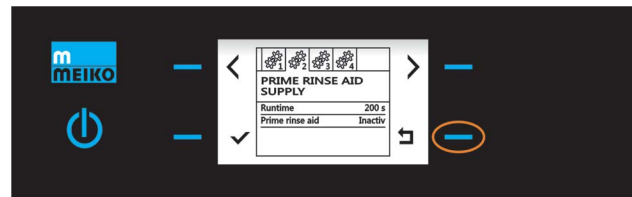
The initial choice on the Action menu is **PRIME DETERGENT SUPPLY**. Press the  key next to the  check mark to prime the detergent pump. A timer will count down the remaining time for the procedure.




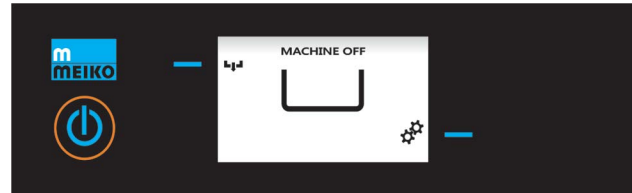
At the end of the procedure, the display will return to the Action menu. Press  next to the  arrow to select **PRIME RINSE AID SUPPLY**.






Press the  key next to the  check mark to prime the rinse aid pump. A timer will count down the remaining time for the procedure.



At the end of the procedure, the display will return to the Action menu. Press the  (back) key to return to the startup menu.



Press and hold  for 2 seconds, until the display reads **SHUTDOWN MACHINE?** Then press the  next to the  check mark to turn the machine off.

3.6 Checking for Correct Chemical Concentration

The normal settings for chemical injection are:

- Detergent - 0.096 oz. per gallon of wash water (0.75 ml per liter).
- Rinse aid - 0.004 oz. per gallon of rinse water (0.03 ml per liter).

To check if the normal settings are correct for your chemicals, *RUN THREE EMPTY LOADS* to completely cycle the water supply and obtain accurate test results. This will only take a few minutes. Then, run a sample load with soiled ware and examine the results.

- If the detergent setting is too low, the ware will not be adequately cleaned. In some cases, this can be corrected by simply selecting a longer cycle time (using the Cycle Select II, Extended or Cycle Select III, Heavy buttons), but the detergent concentration may also need to be adjusted.
- If the rinse aid setting is too low, spotting or streaking may occur on the ware.
- If too much of either chemical is added, the extra chemicals will be wasted. This is often difficult to detect except by determining how long your chemical supplies last. If the chemicals are being exhausted quickly, you may need to have the chemical concentration adjusted.

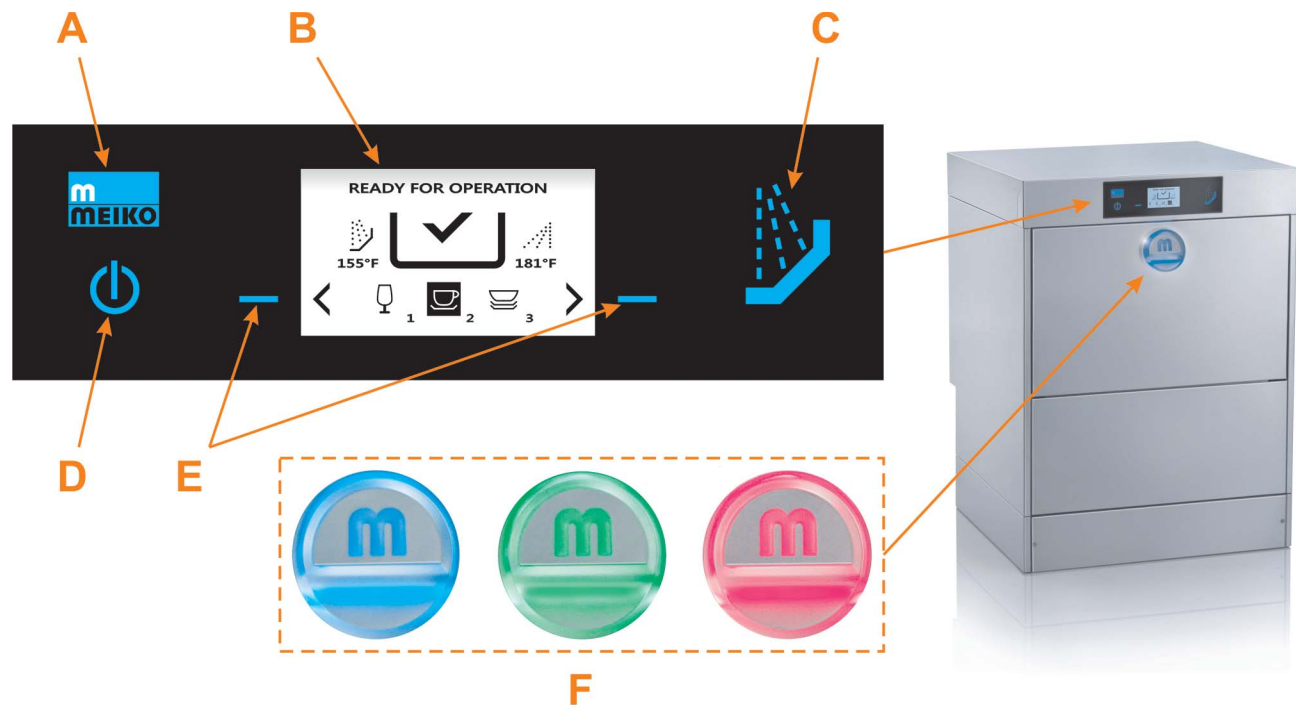
IN ALL CASES, ANY ADJUSTMENTS OF THE FACTORY CHEMICAL INJECTION SETTINGS ARE TO BE PERFORMED ONLY BY A MEIKO AUTHORIZED SERVICE AGENT. CHANGES BY UNAUTHORIZED PERSONNEL WILL VOID YOUR WARRANTY.

If you need to contact your Authorized Service Agency, please contact MEIKO Technical Support at **1 (800) 868-3840**.

4 OPERATION

4.1 Location and Description of Controls

Figure 4-1: Dishwasher controls



A - Wakeup key

Activates the machine from being turned off, activating the display and other controls.

This key is also used to enter the service and programming levels.

B - Display

Shows various information about the operating status of the dishwasher, including:

- Operating state
- Wash tank temperature
- Final rinse temperature
- Selected cycle

C - Start key

Pressing the key once begins a wash cycle. The color of the start key also provides information on the dishwasher's operating state:

- **Blue** (steady) - Ready for operation
- **Blue** (flashing) - Initial filling/heating in progress
- **Green** (steady) - Dish wash cycle in progress
- **Green** (flashing) - Memory-timed filling/heating in progress

D - On/Off key

This key is disabled with the machine is fully turned off, and appears when the Wakeup key is pressed.

Pressing the key when the machine is off begins the normal heating/filling process.

Pressing the key when the machine is on turns the machine off.

E - Select/Confirm key

Cycles through various menu options when a < or > (arrow) is shown on the display next to the key. The current option choice is highlighted.

Confirms a menu selection when a ✓ (check mark) is shown on the display next to the key.

Cancels a menu selection when a ⏪ (back symbol) is shown on the display next to the key.

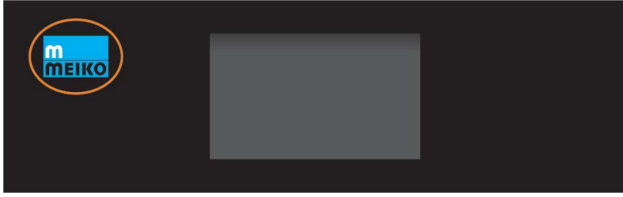
F - Door handle (illuminated)


The color of the door handle provides information on the dishwasher's operating state:

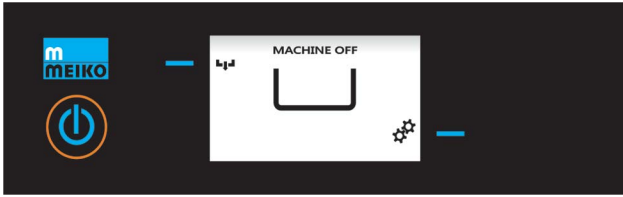
- **Blue** (steady) - Ready for operation
- **Blue** (flashing) - Initial filling/heating in progress
- **Green** (pulsating slowly) - Dish wash cycle in progress
- **Green** (flashing) - Wash cycle pending, filling/heating in progress
- **Red** - Check display for an important message


4.2 Startup

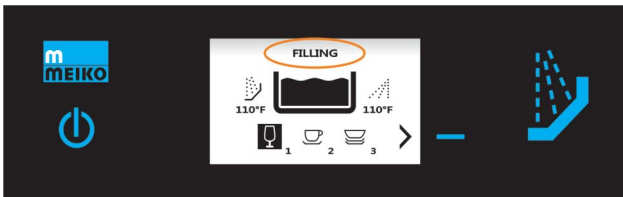
Check the level of the external detergent and rinse aid dispensers. If necessary, replace or refill the dispensers.




To turn the machine on, press and hold  or open the door. The display will turn on.



Press and hold  for 2 seconds, or until the display reads **FILLING**.



Wait for the machine to finish filling.  will flash blue as the machine fills, and the display will read **FILLING**.

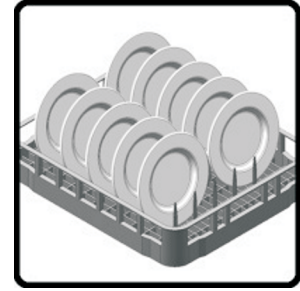


When the machine has filled,  will stop flashing, and the display will read **READY FOR OPERATION**.

4.3 Loading Guidelines

The loading guidelines shown here will lead to faster, more efficient cleaning of your ware.

Load plates, flat trays, etc. at an angle with the inside face pointing up. Ensure that water cannot pool in hollow spaces in the ware (tray edges, etc.)



Load hollow or concave dishware (glasses, large bowls, etc.) upside-down. This allows water to drain more quickly, preventing stains.



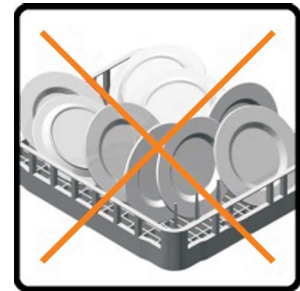
For best results, glasses, mugs and cups should be loaded into compartmented dishracks.



For greater efficiency in loading cutlery, you can use cutlery holders. When loading them:

- Do not overload the holders.
- Always load knives, forks and spoons with the handle DOWN.
- Do not load identical ware into any given holder. Instead, load an assortment of knives, forks and spoons into each holder. Identical ware is often too closely spaced for effective cleaning.

Do not stack items in the dishwasher, or overload the dishracks. This prevents the wash water from reaching the food residue. It is more efficient to load the dishwasher with fewer items and run multiple, shorter cycle times.



4.4 Operation

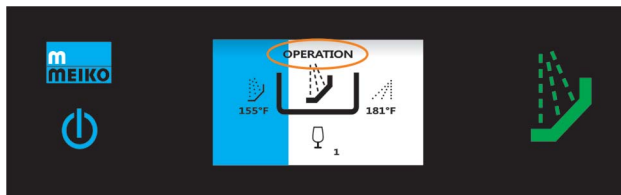


Select a cycle length and wash pressure by pressing (next to the or arrows on the display).

- | | | |
|--|---|--|
|
1 |
2 |
3 |
| Fastest cycle,
lowest water
pressure | Medium cycle,
medium water
pressure | Long cycle,
highest water
pressure |



Press to begin the wash cycle.



During the wash cycle, is lit in green, and the display will read **OPERATION**. A blue progress bar moves across the display to show the remaining time.



At the end of the cycle, will change back from green to blue. Open the door to unload the dishrack. Steam may escape when the door is opened; this is normal.

WARNING!
Use caution when handling hot dishes, glass-ware and other items.

4.5 Interrupting a Wash Cycle

If it is necessary to stop the cycle before it completes, press the key once, or slowly open the door.

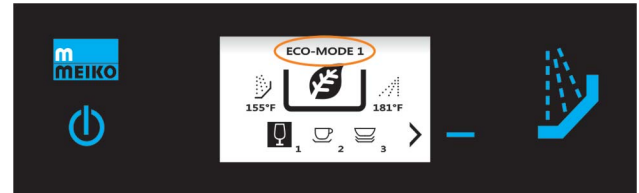
WARNING!
If the door is opened suddenly, hot water can spray out of the dishwasher. Open the door slowly until the dishwasher stops operating.



If the cycle is stopped before it completes, **Cycle interrupted** will appear on the display. To clear the message, press the key next to the check mark.

4.6 Between Cycles

Between cycles, leave the door of the machine closed to conserve heating energy and shorten recovery time.

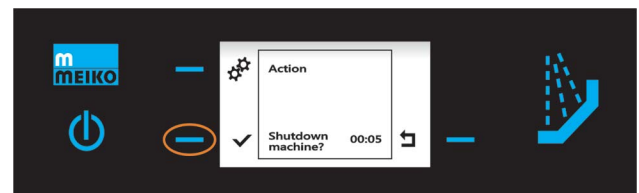


During extended idle periods, the display may show **ECO-MODE** as the machine enters an energy-saving standby mode. When a new cycle is started, the machine will return to normal operation automatically.

4.7 Shutdown



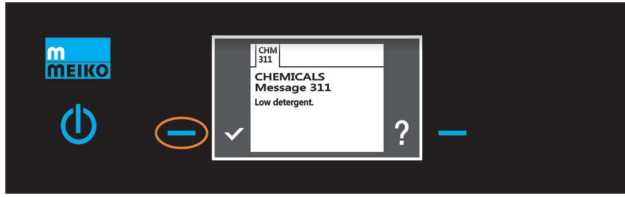
At the end of the shift, press and hold for 2 seconds, until the display shows the options **ACTION** and **SHUTDOWN MACHINE?**



When prompted to **SHUTDOWN MACHINE?**, press the next to the check mark. The machine will perform a shutdown cycle, and then automatically shut itself off.

4.8 Low Detergent Indicator

The liquid detergent supply line ends in a detergent level detection sensor. If the sensor detects a low supply of detergent in the container, a message will be displayed to inform the operator.

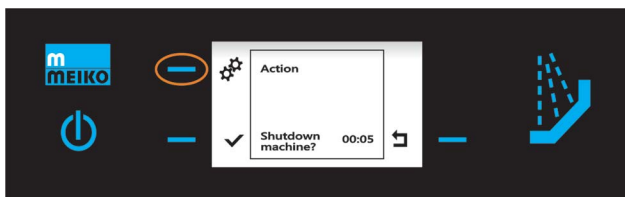


If the message continues to be displayed after refilling the detergent container, press the key next to the check mark to clear the message.

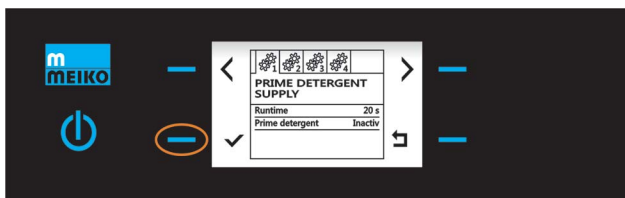
It is normally not necessary to prime the detergent pump if the container is refilled promptly. However, if the container is completely empty, air can enter the detergent line, affecting the amount of detergent delivered during the cycle. To prime the pump during operation:



Press and hold for 2 seconds, until the display provides the options **ACTION** and **SHUTDOWN MACHINE?**



Press the next to the action symbol on the display.



The initial choice on the Action menu is **PRIME DETERGENT SUPPLY**. Press the key next to the check mark to prime the detergent pump. A timer will count down the remaining time for the procedure.

At the end of the procedure, the display will return to the Action menu. Press the (back) key to return to the normal display screen. The machine is now ready to resume regular operation.

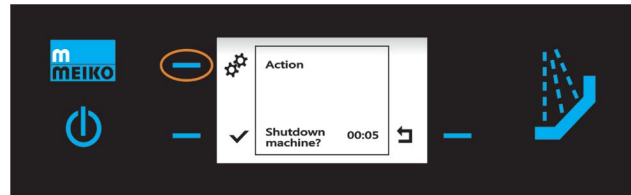
4.9 Manual Water Change

During regular operation, the M-iClean Filter removes the majority of food soil particles from the water in the wash tank. However, liquids can dissolve in the wash tank, soiling the water and affecting first-time washing results.

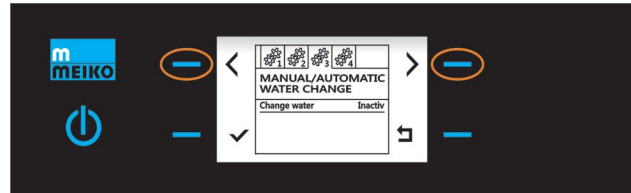
If the wash tank water becomes heavily soiled, it is possible to manually empty and refill the tank with clean, fresh water without shutting down the machine.



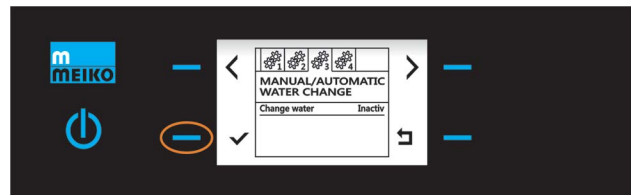
With the machine turned on, press and hold for 2 seconds, until the display shows the options **ACTION** and **SHUTDOWN MACHINE?**



Press the next to the action symbol on the display.



At the Action menu, press next to the or arrows on the display to select **MANUAL/AUTOMATIC WATER CHANGE**.



Press the key next to the check mark to begin the process.

The display will show a rotating wheel to indicate the machine is working. The caption at the bottom of the screen will first show **SELF CLEANING CYCLE**, followed by **FILLING/HEATING**.

At the end of the procedure, the display will return to the Action menu. Press the (back) key to return to the normal display screen. The machine is now ready to resume regular operation.

5 CLEANING



WARNING!

Before ANY cleaning, check that the circuit breaker/fused disconnect is in the OFF position and that the unit is switched off.

IMPORTANT

The heading *Daily Cleaning* is a general recommendation based on typical soiling. If soil begins to accumulate, the unit should be cleaned more frequently. Extensive food soil deposits inside the machine work against optimal performance. Some items may not be cleaned as effectively, resulting in the need for either a longer cycle or repeat washing. In addition, heavy soiling in the wash water increases detergent consumption.

5.1 Daily Cleaning (or as required)

1. The dishwasher automatically enters a shutdown cycle when it is turned off. The interior will be sprayed with hot, fresh water as the booster tank empties.
2. AFTER this cycle ends and the machine shuts down, open the door. Remove any food particles, scraps or bones from the scrap screen.
3. Remove the upper and lower wash arms. Turn the retaining screw counter-clockwise until it is loose, then lift out the arm. See Figure 5-1.
4. Lift out the scrap screen assembly out of the machine. See Figure 5-2.
5. Remove the blue M-iClean Filter from the bottom of the scrap screen. See Figure 5-3.
6. Inspect the pump filter at the bottom of the tank. If it is soiled, remove it by depressing the gray latch as shown in Figure 5-4.
7. Clean the wash arms, scrap screen, M-iClean Filter, and (if necessary) the pump filter at the sink using a soft brush and warm water.
8. Wipe down the interior of the machine, and the inside of the door, using a soft cloth and warm water.
9. MEIKO recommends that the door of the dishwasher be left open overnight to allow it to air thoroughly.
10. Reassemble all components back into the machine before operation. Note that the upper and lower wash arms are identical and interchangeable.

5.2 Exterior cleaning (as required)

CAUTION

When cleaning the exterior of the dishwasher, be sure to follow these guidelines:

- MEIKO strongly recommends using detergent when cleaning the exterior of the unit, instead of commercial stainless steel cleaners.
- Never use abrasive cleaners or pads when cleaning the dishwasher. These can scratch the surface of the unit, as well as damage the control panel.



WARNING!

Ensure that detergents and cleaners are kept out of the interior of the dishwasher. If the interior of the unit has extensive soil or lime scale deposits, refer to **Deliming** (Section 5.3).

Figure 5-1: Wash arm removal



Figure 5-2: Scrap screen removal



Figure 5-3: M-iClean Filter removal

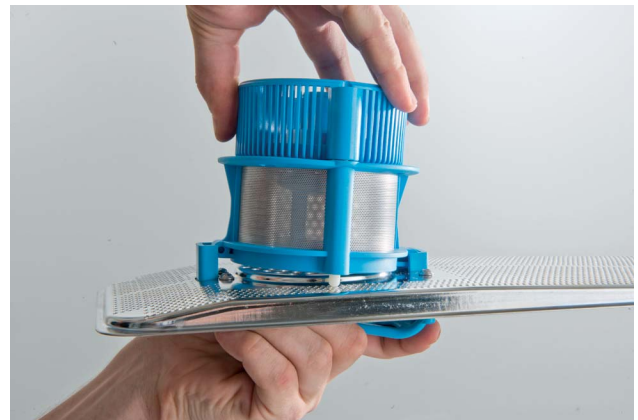


Figure 5-4: Pump filter removal



5.3 Deliming (as required)



WARNING!

After delimiting, ensure that ALL residue is removed. Residue from the delimiting agent can:

- Pose a health hazard;
- Damage seals and plastic components inside the dishwasher.

CAUTION

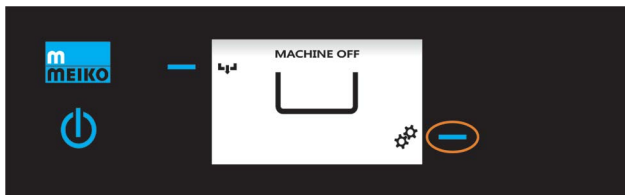
When delimiting the interior, use delimiting agents designed for use with commercial dishwashers, and follow the manufacturer's instructions.

Lime scale deposits will occur over time on the interior of the dishwasher. Lime scale is minimized by the machine's RO system, but when present can affect the quality of washing results.

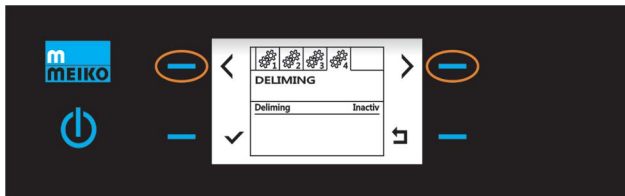
To begin the delimiting process, first ensure that the machine is turned off and fully drained. This is critical to ensure that no detergent is present in the wash tank, which can interfere with the delimiting agent.



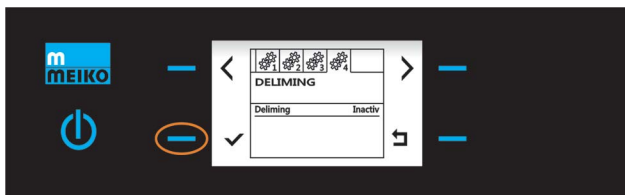
To turn the machine on, press and hold or open the door. The display will turn on.



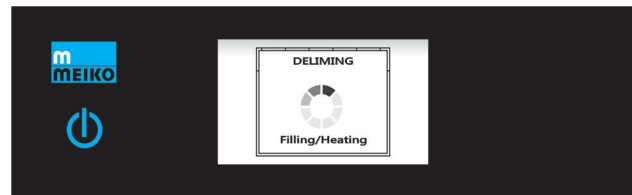
Press the key next to the action symbol on the display.



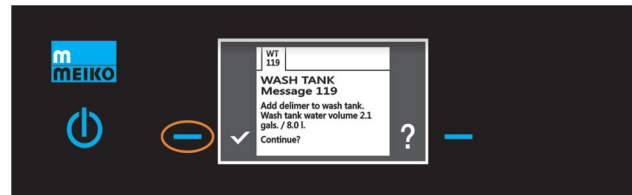
At the Action menu, press next to the or arrows on the display to select **DELIMING**.



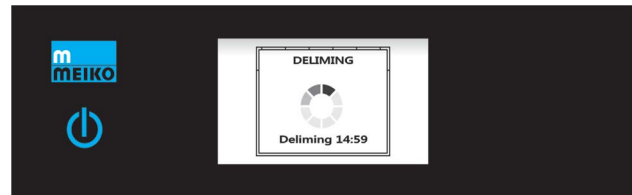
Press the key next to the check mark to begin the delimiting process.



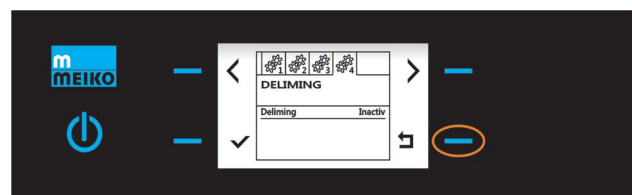
The display will show a rotating wheel to indicate the machine is working. The caption at the bottom of the display will indicate **FILLING/HEATING**.



After the tank has filled, the display will prompt for the delimiting agent to be added. Follow the instructions of the delimiting agent used to determine the correct amount. The tank capacity is 2.1 U.S. gals. (8.0 liters).

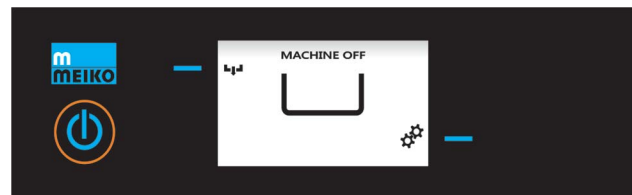


The display will show a rotating wheel to indicate the machine is working. The caption at the bottom of the screen will first show **DELIMING** (along with the remaining delimiting time), followed by **SELF CLEANING CYCLE** to rinse the interior of remaining delimiting agent.



At the end of the procedure, the display will return to the Action menu. Press the (back) key to return to the normal display screen.

Open the door and inspect the interior for any remaining delimiting agent residue. If residue is present, remove it using a soft cloth and hot water; then, run the machine through one empty cycle.



Press and hold for 2 seconds, until the display reads **SHUTDOWN MACHINE?** Then press the next to the check mark to turn the machine off.

6 TROUBLESHOOTING

If the dishwasher encounters a problem, a message will generally appear in the display. Depending on the issue, the illuminated door handle may also change to **red** to notify the operator.

Not all problems require a service agent's assistance. If you use this troubleshooting guide to resolve simple problems, you can often return the appliance to operation faster than by placing a service call.

You should contact your MEIKO Authorized Service Agent IF:

- A message is displayed that is not shown here, OR
- And error message is displayed repeatedly after taking the listed action to correct it, OR
- The listed action fails to correct the problem.

An Authorized Service Agency Listing was supplied with your dishwasher. If you do not have the listing, call **1-800-868-3840** for assistance, or visit MEIKO's website at **www.meiko.us**.



6.1 Operating Issues (no messages)

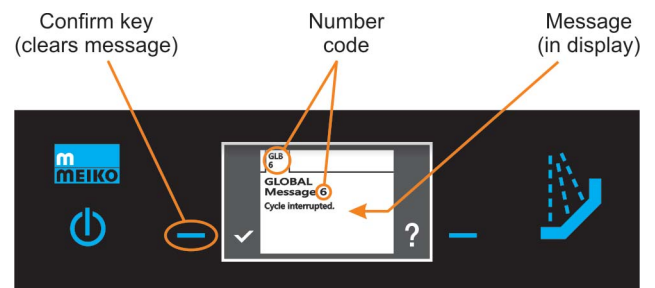
The issues shown below generally will NOT result in an error message. It may not be necessary to contact your MEIKO Authorized Service Agent if the listed action corrects the problem.

Problem	Action
Machine does not fill OR final rinse does not activate	<ul style="list-style-type: none"> • Check that the water shutoff valve to the machine is open. • Check that the Y-strainer/dirt trap is not clogged. • Check that the machine door is closed.
Stripes or smears on clean ware	<ul style="list-style-type: none"> • Check for appropriate detergent or rinse aid. • Check for correct rinse aid concentration
Significant foaming in wash tank	<ul style="list-style-type: none"> • Check for appropriate detergent. Foaming detergents should not be used with the machine.
Ware is not sufficiently cleaned	<ul style="list-style-type: none"> • Choose a longer cycle time for heavily soiled ware. • If the machine has been in operation for an extended time, the wash tank water may be heavily soiled. Follow the procedure for Manual Water Change in Section 4.9.

6.2 Display Messages

The issues shown below will generate a message and matching number code. It may not be necessary to contact your MEIKO Authorized Service Agent if the listed action corrects the problem.

If the display shows a message even after correcting the problem, press the  key next to the  check mark to clear the message. If the handle continues to be illuminated in **red**, open and close the door.



#	Message (in display)	Problem	Action
6	Cycle interrupted	The wash cycle was interrupted	<ul style="list-style-type: none"> • Clear the message (see above).
7	Door not closed	Door not closed	<ul style="list-style-type: none"> • Clear the message (see above).
14	Door is open. Heat energy is escaping.	Door not closed	<ul style="list-style-type: none"> • Clear the message (see above).
50	Rinse aid low.	Rinse aid dispenser is low or empty.	<ul style="list-style-type: none"> • Refill rinse aid (and prime if necessary).
51	Detergent low.	Detergent dispenser is low or empty.	<ul style="list-style-type: none"> • Refill detergent (and prime if necessary).
54	Check external chemical dosing unit.	Rinse aid and/or detergent dispensing system is not functioning properly.	<ul style="list-style-type: none"> • Check dispensing systems.
100	Reference level in wash tank not reached in time during fill. Water supply inadequate.	Water supply to machine is not flowing properly	<ul style="list-style-type: none"> • Check that the water shutoff valve to the machine is open. • Check that the Y-strainer/dirt trap is not clogged.
101	Machine not draining.	Machine is not draining properly	<ul style="list-style-type: none"> • Check that the pump filter is not clogged. See Section 5.1, <i>Daily Cleaning</i>.
102	Machine not draining in time.	Machine is not draining quickly enough.	<ul style="list-style-type: none"> • Clear the message (see above).

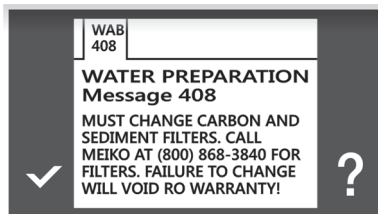
#	Message (in display)	Problem	Action
111	Water loss in wash tank		<ul style="list-style-type: none"> Clear the message (see above).
112	Daily water change, due to wash tank being full for too long.	The machine had not been drained in some time, and automatically activated a drain/shutdown cycle.	<ul style="list-style-type: none"> At the end of the day, always shut down the machine using the automatic drain/shutdown cycle.
113	Wash tank water level too high.		
114	Pump intake screen missing or inserted incorrectly.	The scrap screen, M-iQ Filter and/or pump filter are not present, or have been reinstalled incorrectly.	<ul style="list-style-type: none"> Check for correct installation of the components. See Section 5.1, <i>Daily Cleaning</i>.
115	Wash tank overflow. Drain pump activated.		<ul style="list-style-type: none"> Clear the message (see above).
116	Wash/rinse arms blocked/missing.	One or both wash arms are not present, or have been reinstalled incorrectly.	<ul style="list-style-type: none"> Check for correct installation of the components. See Section 5.1, <i>Daily Cleaning</i>.
117	Check top wash/rinse arm.	The upper wash arm is not present, was reinstalled incorrectly, or water is not flowing through it properly.	<ul style="list-style-type: none"> Check for correct installation of the components. See Section 5.1, <i>Daily Cleaning</i>. Check that the pump filter is not clogged. See Section 5.1, <i>Daily Cleaning</i>.
118	Check bottom wash/rinse arm.	The lower wash arm is not present, was reinstalled incorrectly, or water is not flowing through it properly.	<ul style="list-style-type: none"> Check for correct installation of the components. See Section 5.1, <i>Daily Cleaning</i>. Check that the pump filter is not clogged. See Section 5.1, <i>Daily Cleaning</i>.
200	Booster tank level during fill not reached early enough	Water supply to machine is not flowing properly	<ul style="list-style-type: none"> Check that the water shutoff valve to the machine is open. Check that the Y-strainer/dirt trap is not clogged.
205	Final rinse level low. Check for inverted ware.	Water may be accumulating in ware, or failing to drain out of the machine properly.	<ul style="list-style-type: none"> Check that hollow items are loaded properly and do not retain water. See Section 4.3, <i>Loading Guidelines</i>. Check that the pump filter is not clogged. See Section 5.1, <i>Daily Cleaning</i>.
206	Wash time extended. Final rinse temperature too low.		<ul style="list-style-type: none"> Clear the message (see above).
211	Final rinse booster water loss		<ul style="list-style-type: none"> Clear the message (see above).
212	Forced drain due to booster tank being full for too long.	The machine had not been drained in some time, and automatically activated a drain/shutdown cycle.	<ul style="list-style-type: none"> At the end of the day, always shut down the machine using the automatic drain/shutdown cycle.
301	Low rinse aid.	Rinse aid dispenser is low or empty.	<ul style="list-style-type: none"> Refill rinse aid (and prime if necessary).
311	Low detergent.	Detergent dispenser is low or empty.	<ul style="list-style-type: none"> Refill detergent (and prime if necessary).
408	Must change carbon and sediment filters.	Carbon and sediment filters have been installed for 3 months and must be replaced.	<ul style="list-style-type: none"> Contact MEIKO at 1 (800) 868-3840 to order replacement filters. Also see Section 6.3. Clear the message (see above).
961	Real time clock error.		<ul style="list-style-type: none"> Clear the message (see above).
962	Ethernet access fault.	Loss of Ethernet connectivity	<ul style="list-style-type: none"> If a LAN connection is used with the machine, and is necessary, check the connection and restart the machine.
964	USB access fault.	Loss of USB connectivity	<ul style="list-style-type: none"> If a LAN connection is used with the machine, and is necessary, check the connection and restart the machine.
965	Audio-Codec access fault.		<ul style="list-style-type: none"> Clear the message (see above).
967	Emergency factory parameters reset		<ul style="list-style-type: none"> Clear the message (see above).
968	Display communication fault.		<ul style="list-style-type: none"> Clear the message (see above).
969	Low battery		<ul style="list-style-type: none"> Clear the message (see above).
972	Language memory fault.		<ul style="list-style-type: none"> Clear the message (see above).

6.3 Carbon and Sediment Filter Replacement

The M-iClean GiO Module Accessory is equipped with individual carbon and sediment filters. These remove chlorine, chloramine and particulates from the incoming water before it is pumped to the RO membranes. Replacing the carbon and sediment filters at regular three-month intervals is critical to maintaining proper operation of the machine, and extending the life of the RO membranes.

When the machine receives its initial Performance and Installation Inspection by a MEIKO Authorized Service Agent, the three-month filter interval is activated. Following this inspection, every three months, the machine will display a reminder message that the filters must be replaced. See Figure 6-1.

Figure 6-1: Filter change notice





To temporarily clear the message and return to operation, press the  key next to the  check mark as shown in Figure 6-2. However, it is extremely important to replace the filters as quickly as possible after the message first appears.

Figure 6-2: Temporarily clearing message



CAUTION

Failure to change the filters regularly at three-month intervals will void the warranty of the RO system.

To order replacement filters, contact MEIKO at 1 (800) 868-3840. The filter kit will provide instructions on how to replace the filters, as well as cancel the filter change message.



If you need service...

MEIKO dishwashers are designed for solid reliability as much as for outstanding cleaning ability. With proper care, your dishwasher should provide years of trouble-free operation.

If service is necessary, contact your local MEIKO Authorized Service Agent. With factory training, OEM parts and direct support from the factory, MEIKO's nationwide service network is highly qualified to quickly restore your dishwasher to regular operation.

An Authorized Service Agency Listing was supplied with your dishwasher. If you do not have the listing, visit MEIKO's website at www.meiko.us, or call 1-800-868-3840 for assistance.