

# Counter Top, 6 Place Setting, Dishwasher



User Manual

**MDC3203DWW3A**

**MDC3203DSS3A**

**MDC3203DBB3A**



Quality ■ Innovation ■ Style

## IMPORTANT SAFETY INSTRUCTIONS

### READ ALL INSTRUCTIONS BEFORE USE.

**WARNING - To reduce the risk of fire, electric shock, or injury to persons when using your appliance, follow the basic precautions, including the following:**

- 1. Read all of the instructions before using this appliance.**
2. Use the dishwasher only for its intended function.
3. The manufacturer cannot be responsible for problems caused by ignoring these safety and caution instructions.
4. Use only detergents or wetting agents recommended for use in a dishwasher and keep them out of the reach of children.
5. This appliance must be properly installed in accordance with the installation instructions before it is used.
6. Never unplug your appliance by pulling on the power cord. Always grasp the plug firmly and pull straight out from the outlet.
7. Replace immediately worn power cords, loose plugs/power outlets.
8. Disconnect electrical power and water intake hose to dishwasher before cleaning or servicing.
9. If your old appliance is not being used, we recommend that you remove the door. This will reduce the possibility of danger to children.
10. Do not operate your appliance in the presence of explosive fumes.
11. Do not add or mix any flammable or explosive substances to the wash.
12. Dishwasher door must be closed during the operation of the machine.
13. Do not operate your appliance when parts are missing or parts are broken.
14. Do not abuse, sit on or stand on the door or dish rack of the dishwasher.
15. Do not use this appliance for commercial dishwashing purposes.
16. Do not wash plastic items unless they are marked "dishwasher safe " or the equivalent.  
For plastic items not so marked, check the manufacturer's recommendations.
17. Do not operate this appliance unless all enclosure panels are properly in place.
18. Do not tamper with controls.
19. When loading items to be washed:
  - A) locate sharp items so that they are not likely to damage the door seal, and
  - B) load sharp knives with the handles up to reduce the risk of cut-type injuries.
20. Do not touch the HEATING ELEMENT during or immediately after use.
21. To reduce risk of injury do not allow children to play in or on the appliance. Close supervision and observation needed when children are around the dishwasher
22. This appliance must be connected to proper electrical outlet with the correct electrical supply.
23. Proper grounding must be ensured to reduce the risk of shock and fire. **DO NOT CUT OR REMOVE THE GROUNDING PLUG.** If you do not have a three-prong electric receptacle outlet in the wall, have a certified electrician install the proper receptacle. The wall receptacle **MUST** be properly grounded.

24. Hydrogen gas may be produced if the water heater has not been used in more than 2 weeks. This could be explosive and can explode under certain circumstances. If this is the case, before using this appliance turn on all the hot faucets and let the hot water run for a few minutes. This will let the trapped hydrogen escape. During this process do not turn on an electric appliance, smoke, light a match/lighter or use a flame to avoid an accident, as hydrogen gas is flammable and can explode.
25. Do not repair or replace any part of the appliance or attempt any servicing unless specifically recommended in the user-repair instructions that you understand and have skills to carry out.
26. To reduce the risk of electric shock or fire, do not use extension cords or adapters to connect the unit to electrical power source.
27. Do not use this dishwasher outdoors.

## SAVE THESE INSTRUCTIONS HOUSEHOLD USE ONLY

### UNPACKING YOUR APPLIANCE

#### Unpacking

1. Inspect and remove all packing materials. This includes the foam and any adhesive tape both inside and outside of the unit.
2. Inspect and remove any remains of packing, tape, or printed materials before powering on your Arctic King appliance.



## DANGER

**Risk of child entrapment. Before you throw away your old appliance, take off the door so that children may not easily get trapped inside. Also cut off power cord and detach all hoses**

### PRODUCT REGISTRATION

Thank you for purchasing our product. This easy-to-use manual will guide you in getting the best use of your appliance.

Remember to record the model and serial number. They are on a label in back of the appliances.

\_\_\_\_\_  
Model number

\_\_\_\_\_  
Serial number

\_\_\_\_\_  
Date of purchase

Staple your receipt to your manual. **You will need it to obtain warranty service.**

## SAFETY REQUIREMENTS

### Electrical Requirements

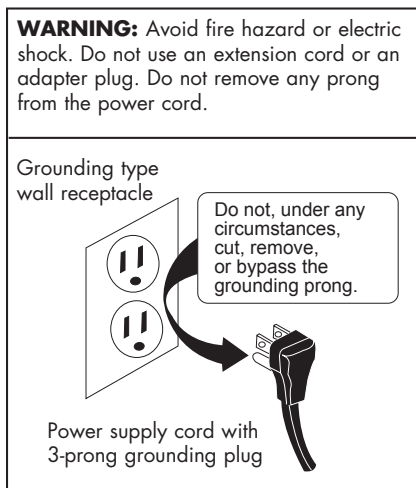
#### Grounding Instructions

This appliance must be plugged into at least a 15 AMP 120 Volt 60 Hz Grounded Outlet. This appliance must be grounded. It is equipped with a 3-Wire cord having a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

**Warning!** Improper use of the grounded wire can result in the risk of electric shock. Consult a qualified electrician if necessary. Do not attempt to defeat this safety feature by modifying the plug.

Avoid the use of an extension cord because it may overheat and cause a risk of fire. However, if it is necessary to use an extension cord:

- A. Use only 3-wire extension cord with 3-blade grounding plug.
- B. The marked rating of the extension cord must be equal to or greater than the rating of this appliance.
- C. It should be positioned such that it does not drape over the counter or table-top where it can be pulled by children or tripped over.



#### Attempting any maintenance or cleaning:

To minimize the possibility of electric shock, unplug this appliance from the power supply or disconnect at the household electrical panel by removing the fuse or switching off the circuit breaker before attempting any maintenance or cleaning.

**NOTE:** Pressing the Power ON/OFF button to an off position does NOT disconnect the appliance from the power supply.



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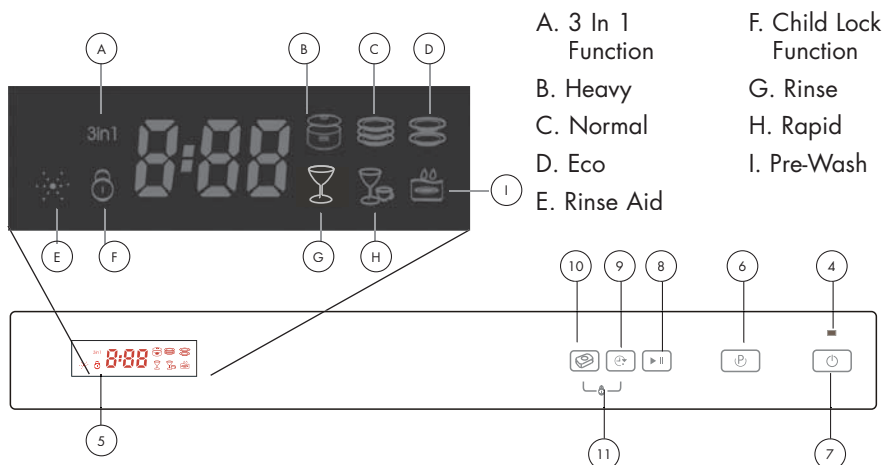
Specification Table	
Model	MDC3203DWW3A/SS3A/BB3A
Power input	680W
Outer dimension(LxWxH)	21.7" x 19.7" x 17.2"
Weight	48.4 LBS
Max. water Consumption	2.83 Gallons (10.7L)
Water pressure	0.04~1MPa
Operation	Electronic
Detergent Capacity	.42 Oz (12g)
Plate Capacity	6 Standard Place Settings

## PARTS AND FEATURES

### Front View



### Control Panel

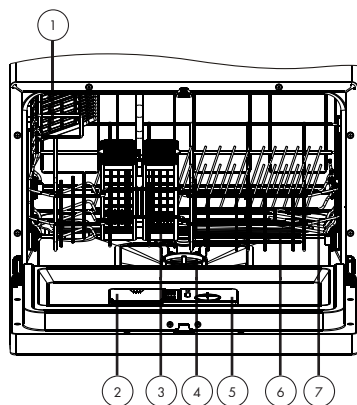


1. Door Handle
2. Outer Door
3. Control Panel
4. Power Indicator Light
5. Program Indicator LED Display
6. Wash Program Selector Button

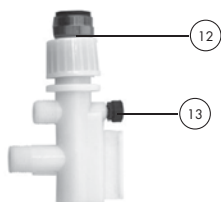
7. Power Button (ON / OFF)
8. Start/Pause Button
9. Delay Button (0-24 Hours)
10. 3 in 1 Button
11. Child Lock Function

## PARTS AND FEATURES

### Inside View

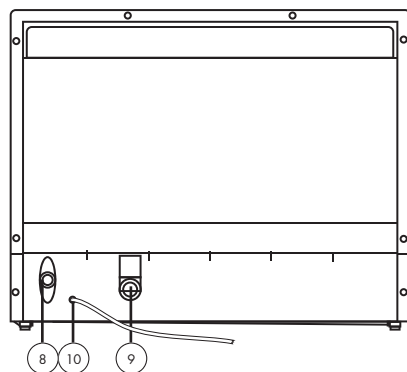


11 Quick Faucet Adapter



1. CupShelf
2. Detergent Dispenser
3. Cutlery Basket
4. Filter System
5. Rinse Aid Dispenser
6. Spray Arm
7. Rack
8. Drain Pipe Connector
9. Inlet Pipe Connector

### Back View



10. Power Cord
11. Quick Faucet Adapter
12. Quick connect fitting; Fits standard 7/8" diameter faucets
13. Red Pressure release button

## BEFORE USING YOUR DISHWASHER

- Remove the exterior and interior packing.

- Check to be sure you have all of the following parts:

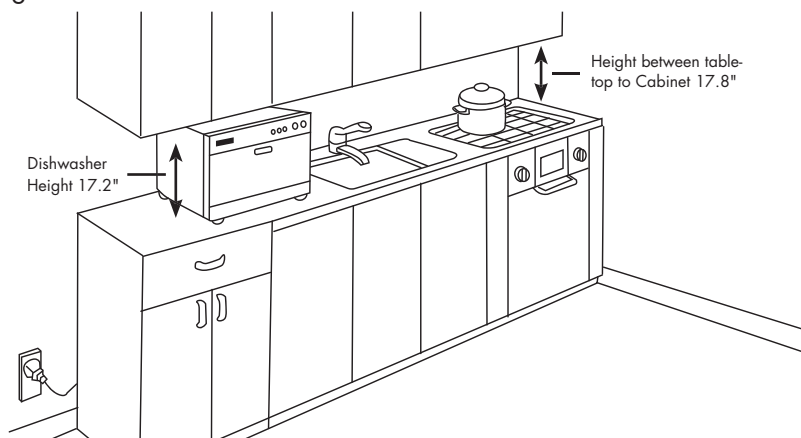
- |   |  |
|---|--|
| 1 Quick Faucet Adapter                  | 1 Instruction Manual                   |
| 1 Drain Hose for Permanent Installation | 1 Measuring Cup for Powdered Detergent |
| 2 Outlet Hose Clamps                    | 1 Measuring Spoon for Liquid Rinse Aid |
| 1 Rack                                  | 1 Clip on Basket for 3-in-1 Tablets    |
| 1 Cutlery/Silverware Basket             |  |

- Clean the interior surface with lukewarm water using a soft cloth.

## INSTALLATION INSTRUCTIONS

### Proper location

1. First determine the best location for your new Countertop Dishwasher. It must be close to a 120 Volt (15 Amp) outlet and a sink with a water supply and drain.
2. The minimum height clearance required to install your dishwasher on a countertop surface with overhead cupboards/ Kitchen cabinets is 17.8" (45cm). This Space Saving Countertop Dishwasher is 17.2" in height.



### Note:

- It is suggested that you place the dishwasher right next to the sink.
- Make sure there is an electrical power supply within easy reach of the machine. The power cord is 6 foot long.
- The dishwasher must be installed on a solid, level surface.
- To level the dishwasher, adjust the four legs under the dishwasher.

## REMOVE ALL PACKING MATERIALS

Carefully; position the dishwasher on the counter top that you determined as your final location.

There are 2 types of Hook-ups; using the Quick Faucet Adapter Connection or Permanent installation.

**The suggested way is to operate this Compact Dishwasher with the Quick Connect Faucet Adapter.**

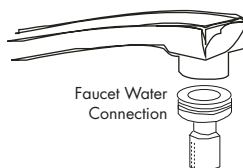


Dishwasher Quick Connect Faucet Adapter with Drain, Pressure Release and Intake Water Hose.

## QUICK FAUCET ADAPTER CONNECTION

The Quick Faucet Adapter easily connects to the sink faucet

- A. First remove aerator from your faucet nozzle and attach the quick connect threaded adapter to the faucet. The quick connect faucet adapter allows easy snap-on/snap-off connection to standard (7/8" diameter) faucets.

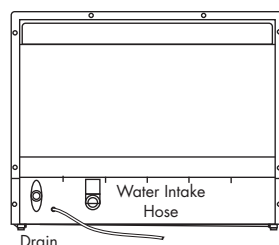


- B. Connect the dishwasher Quick Connect Faucet Adapter to the faucet first to ensure the hose length fits the dishwasher's selected location. Both hose end fittings must be connected to the back of the dishwasher. The water intake and drain plastic fittings are each a unique design and made to easily fit the dishwasher to insure there is no mistake.

**WARNING:** A hose that attaches to a sink spray can burst if it is installed on the same water line as the dishwasher. If your sink has one, it is recommended that the hose be disconnected and the hole plugged.

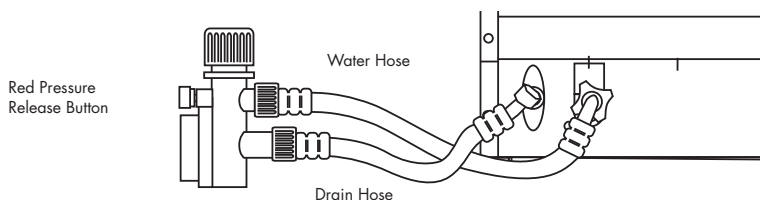
- C. Water Intake Hose: Connect to the rear of the dishwasher using the large, 4-corner shaped wing nut.

- D. Drain Hose: Connect to the rear of the dishwasher. It is suggested you use pliers to tighten but DO NOT over tighten.



- E. With both hoses connected, make sure you can plug the power cord into a 120 volt, grounded AC outlet, then turn the dishwasher so it is facing forward.

- F. Red Pressure Release Button: This red button, located on the Quick Release Faucet Adapter, is used to release the water line pressure. When you first connect to the water faucet, you can press the red button to check the water is at the desired temperature or to use the faucet normally without removing the whole Quick Release Faucet Adapter.



G. With all the fittings connected, open the tap to test to make sure there are no leaks. Connect the A/C power cord and use the dishwasher as outlined in the manual.

H. When finished using the dishwasher, you need to close the water supply to the tap and disconnect the power supply cord..

**WARNING:** The water intake hose is now pressurized.

Press the red pressure release button on the Quick Release Faucet Adapter, which will depressurize the water intake hose to easily remove without squirting water which can be very hot and cause scalding.

The Quick Release Faucet Adapter should then be disconnected from the faucet and stored for next use.

**CAUTION:** Do not let children disconnect the dishwasher. Close supervision of children is always important around appliances.

## PERMANENT INSTALLATION

The permanent installation will require connecting the dishwasher to a permanent "HOT" water intake, usually tapped off from the sink's hot water line. Also, the dishwasher's grey drain hose (included) needs to be connected to a special sink drain pipe (not included) under the sink / counter.

We recommend that you **Contact a qualified person to carry out the permanent installation.** The dishwasher must be installed to meet all local codes and ordinances for electrical and plumbing connections.

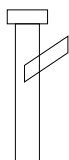
### Parts Needed for Permanent Installation

**Intake Hose:** You will need to purchase a standard 3/4" intake dishwasher hose and fittings to make a permanent installation.



### Direct connect dishwasher tail pipe:

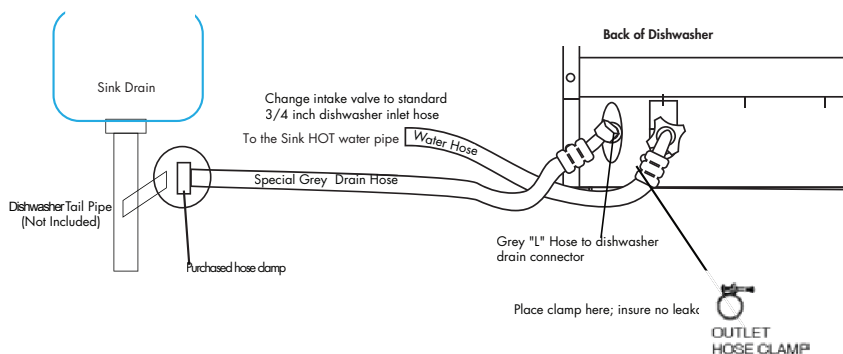
You will need to **purchase** a dishwasher tail pipe designed to connect to a kitchen sink drain, and a matching hose clamp.



**Drain hose:** This unit has a special grey drain hose included. If you choose a permanent installation you must connect this hose to the dishwasher drain threaded connector. Use one hose clamp supplied.



### Hose connections for permanent installation



**Instruction: This should be done by a professional and qualified installer**

1. Decide the best location to run the hoses under the sink. Make sure both hoses will reach before cutting into counter top.
2. The quick connect faucet adapter and hoses must be removed from the unit for both the intake and drain connections.
3. Change the intake hose to a 3/4 inch and secure tightly.
4. Using the special grey hose supplied, tighten hose to the drain connector.
5. Run both hoses below the sink and attach as a permanent installation for water intake and drainage. The special drain hose should be attached at one end to the dishwasher, at the other end to the sink tail pipe (not included), and secured at both ends with a clamp (one clamp provided).

**Note:** The intake hose should be connected to the HOT water pipe. The drain hose should be below the height of the base of the dishwasher.

6. Test the water connections to insure that there are no leaks
7. Connect dishwasher to a 120v household, grounded outlet.

## RECOMMENDATIONS FOR USE

### Water, Pressure and Temperature

For best operating results, incoming water should be HOT and the pressure should be between 0.03~1Mpa. Incoming water supply for the dishwasher is controlled by a 'low water switch' application, so if household water ceases, dishwasher will stop. We recommend for maximum efficiency and optimum results use HOT WATER ONLY.

### How it works:

Your dishwasher cleans by spraying a mixture of hot clean water and detergent (under pressure) against the soiled surface of dishes. The water is pumped through a rotating spray arm, drained through a filter removing food and soiled particles and pumped back through the spray arm.

Soiled water is pumped out and replaced with clean water at the end of each cycle. For best cleaning results, the water temperature must be at least 120°F. To prevent dishwasher damage, the temperature of the incoming water supply should not exceed 150°F.

**Note:** Hard Water conditions will adversely affect the wash ability performance of your dishwasher. Hard water conditions will also contribute to "Lime" (white film substance) deposits and/or "Scaling" on the stainless steel surface of the dishwasher tub and "Heater Element" located in the sump underneath the removable filter screen. To assist in minimizing these conditions, it is recommended to periodically operate/ rinse the inside of the dishwasher (empty) using 1 cup of white vinegar (at least once a week) or special cleaning products that clean calcium and lime deposits.

### Preparing to wash dishes:

For best results, rinse the dishware and perform the following steps before loading:

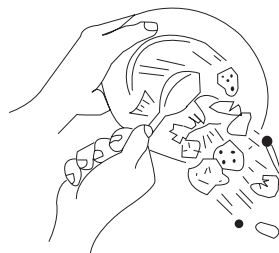
- Discard big chunks of food from the plate.
- Remove oils and grease.
- Remove sticky and loosen burned-on, foods.
- Empty liquids such as juice, soup, soda, coffee or tea from glasses and cups.



## Tips to avoid stains and films:

The following suggestions are recommended to prevent stains and films from dishware and utensils items:

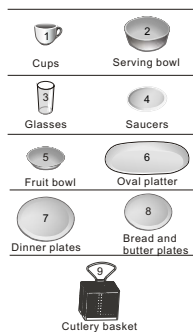
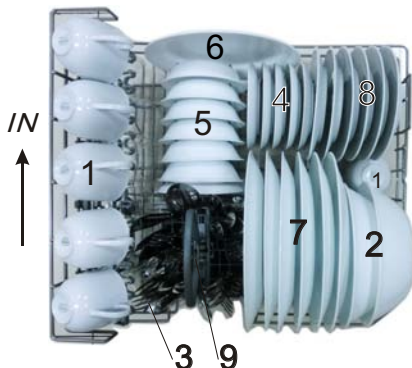
- You must rinse all dishware, silverware, glassware and food containers right a way after use. Some citric based food products, coffee, tea and iron deposits in water can cause yellow or brown film on inside surfaces when left on for a long time and not rinsed immediately.
- Rinse off acid based liquid, such as vinegar or lemon juice right away. This may cause discoloration over time to your plates, food containers or internal cabinet.
- Always check manufacturer's recommendations before you start washing items.
- You must check your water hardness to see whether you need to use more or less detergent to wash. If water is extremely hard then it may be causing stains on items. You may need to use water softener.
- Do not overload the dishwasher.
- Avoid improper loading by overcrowding or nesting plates together.
- Make sure water temperature is at recommended temperature to wash dishware.
- Do not use too little detergent.
- Do not use old or damp powder detergent.
- Do not load aluminum utensils improperly. Aluminum utensils can cause gray or black marks to porcelain utensils if they touch during the wash cycle.



## Loading your Dishwasher

The dishwasher is designed for a standard "6 place setting".

### Optimum Capacity



**Note:** The standard plate is 10" inches. For ease of lading/unloading large size dinner plates from the dish rack, it maybe necessary to (temporarily) remove the cutlery basket. When loading/unloading is complete, return the cutlery basket to its original position.

## How to load items:

- Locate sharp items so that they are not likely to damage the door seal.
- Do not load plastic items unless they are marked "dishwasher safe" or the equivalent. For plastic items not so marked, check the manufacturer's recommendations.
- Cups, glasses and bowls must have their openings facing downwards.
- Do not load glasses over the dish rack pins. Glasses loaded over dish rack pins are not properly supported and are likely to get damaged.
- Arrange all items with recessed or curved sections on a slant to drain water away.
- Ensure cutlery is not nesting or stuck together. They need to be evenly spread out. Make sure the cutlery has not fallen through the basket and stopped the spray arm from rotating.
- Items with wooden or bone handles and items joined together with glue are unsuitable as they cannot withstand hot water.

## Cutlery Basket

Silverware should be placed in the basket with handles at the bottom. If the rack has side baskets, the spoon should be loaded individually into the appropriate slots, especially long utensils should be placed in the horizontal position on the cup shelf.

**WARNING:** Do not let any item extend through the bottom of the rack or cutlery basket.

**WARNING:** Always load sharp utensils with the sharp point down!



For personal safety and top quality cleaning, placing the silverware in the basket using the following guidelines:

- Do not nest utensils together.
- Place silverware with handles down with the exception of knives and other potentially dangerous utensils which should have handles up.

## PROPER USE OF DETERGENT

**NOTE:** Use **ONLY** detergent specifically made for automatic dishwashers.

Check product packaging to be certain. Keep your detergent fresh and dry. Do not put powder detergent into the dispenser until you're ready to wash dishes.

The amount of detergent to use depends on whether your water is hard or soft. With hard water, you need extra detergent. With soft water, you need less detergent. Your water company should be able to tell you how hard your water is.

For heavily soiled loads, use the HEAVY, NORMAL WASH cycle, fill one or both of the interior cups, depending on the hardness of your water, and also fill the open cup on the dispenser lid. Use the information in the table below as a guideline to determine the amount of automatic dishwasher detergent to place in the dispenser:

Number of Place Settings Loaded	Detergent Recommendation
Less than 4	Fill compartment marked "15" (A)
4 to 6	Fill compartment marked "25" (B)

To open the detergent storage cover, press the button and the cover will flip back. After you finish, close the cover securely. See diagram at right.

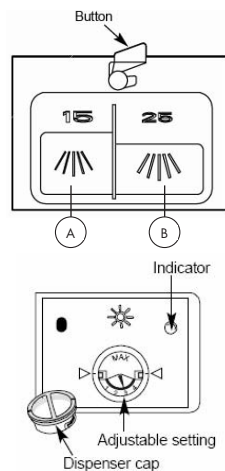
### Using a Rinsing Agent

Using a rinse aid will help prevent unsightly spots, films on dishes and glassware, and reduce drying time. A rinse agent is specially formulated to rinse away food and detergent residues that can be left behind on your dishes. Used regularly, a rinse agent will automatically provide you with cleaner dishes every time you wash.

### Filling the Dispenser

The Rinse Aid dispenser holds 3.5 oz. of rinse agent. Under normal conditions, this will last approximately one month. Try to keep it full, but do not overfill.

- 1) Make sure the dishwasher door is fully open.
- 2) Turn the dispenser knob to the left and lift it out.
- 3) Add rinse agent until the indicator window looks full.
- 4) Clean up any spilled rinse agent with a damp cloth.
- 5) Replace the dispenser knob.



## Rinse Aid Setting

The amount of rinse agent released into the final wash can be adjusted. The factory setting is at the midpoint. If there are rings of calcium (hard water) spots on dishes, try a higher setting.

## To Adjust the Rinse Aid Setting

Remove the dispenser knob; then turn the adjuster counterclockwise to increase the amount of rinse agent.

## Low Rinse Aid Level Indicator

When the rinse aid level becomes low in the dispenser, the "Rinse Aid" icon in the display will light. Once the dispenser is refilled, the icon will shut off.

## Using the 3-in-1 program

Your dishwasher has ability to utilize 3-in-1 tablets.







1. Hang the 3-in-1 tablet container on to rack (see diagram below)
2. Put the 3-in-1 tablet into the container and press the 3-in-1 button on the control panel. A "3-in-1" icon in the display will illuminate.



**Note:** Performance will not be as effective if you attempt to use tablets when dishwasher is set to program other than 3-in-1.

CYCLE SEQUENCE

**NOTE:** Cycle times listed are for reference only as they can change based on conditions such as inlet water temperature, whether dishwasher is partially or fully loaded, and the heating element power rating.

Cycle	Water (Approx)	Time (Approx)	Sequence
<b>Heavy</b> 	3.83 Gallons	100 Minutes	Pre-wash
			Pre-wash (122°F/50°C)
			Wash (131°F/55°C)
			Wash (122°F/50°C)
			Rinse
			Rinse (149°F/65°C)
			Dry
<b>Normal</b> 	3.17 Gallons	85 Minutes	Pre-wash
			Pre-wash
			Wash (131°F/55°C)
			Rinse
			Rinse (149°F/65°C)
			Dry
<b>Light</b> 	3.17 Gallons	75 Minutes	Pre-wash
			Pre-wash (122°F/50°C)
			Wash (122°F/50°C)
			Rinse
			Rinse (140°F/60°C)
			Dry
<b>Glass</b> 	2.56 Gallons	70 Minutes	Pre-Wash
			Wash (122°F/50°C)
			Rinse
			Rinse (140°F/60°C)
			Dry
<b>Speed</b> 	3.17 Gallons	45 Minutes	Pre-wash
			Pre-wash (122°F/50°C)
			Wash (122°F/50°C)
			Rinse
			Rinse (131°F/55°C)
<b>Soak</b> 	0.66 Gallons	10 Minutes	Pre-wash

## OPERATING INSTRUCTIONS

### Operating Your Dishwasher

1. Ensure that all electrical, water, and drain connections have been installed correctly before proceeding.
2. Load the dishwasher (See the "Loading your Dishwasher" section).
3. Make sure that the water supply is turned on to full pressure.
4. Add the appropriate amount of dishwasher detergent to the dispenser (see Proper Use of Detergent Section).
5. Close the door and ensure that the door latch has engaged.
6. Turn the dishwasher ON by pressing the ON / OFF button.
7. Select appropriate wash cycle / program (See Cycle Sequence Section).
8. Press the Start/Reset button. The LED display will flash intermittently to indicate the dishwasher is in "RUN" mode.

**NOTE:** When you press the Start/Reset button to pause the unit during washing, the LED display will stop blinking and the dishwasher will stop working until the Start/Reset button is pressed again.

### Pausing the Wash Cycle / Program:

In order to make any changes to the selected wash program / cycle, load additional items, or remove previously loaded items the dishwasher must be put in "PAUSE" status. The dishwasher can be put into PAUSE mode at any time during the wash cycle.

#### To temporarily pause the washing process:

1. Press and hold the START / RESET button for approximately 3 seconds to cancel the existing program mode.
2. Make the necessary changes to the wash program / cycle selection or add/remove items from the dishwasher.
3. Ensure that the door is closed and the latch is fully engaged.
4. Press the START / RESET button once
5. The dishwasher will immediately resume operation using the most recently selected wash program / cycle.

**NOTE:** If the door is opened at any time during the washing process, the dishwasher will automatically go to PAUSE mode. Once the door is closed and the latch is fully engaged the dishwasher will immediately resume operation. Although the dishwasher will be put in the PAUSE mode by opening the door, it is recommended that you instead follow the steps above to PAUSE the washing process.

## Changing the Wash Program / Cycle:

If at any time during the washing process you would like to change the selected wash program / cycle;

1. Press and hold the START / RESET button for approximately 3 seconds. (The START / RESET indicator light will be ON indicating that the unit is in PAUSE mode.)
2. Select the desired wash program / cycle by pressing the program button.
3. Press the START / RESET button again, the dishwasher will resume operation using the newly selected wash program / cycle.

**NOTE:** If you change the wash program / cycle after the detergent has been dispensed or the dishwasher has already drained the water, you will need to refill the detergent dispenser for the newly selected program / cycle accordingly.

## At the End of the Wash Cycle

Once the dishwasher has completed the selected wash cycle / program, there will be a buzzer sound for 8 seconds indicating the end of the cycle.

1. Shut off the water supply.
2. Turn the dishwasher OFF by pressing the ON/OFF button.
3. Open the door slightly with caution to allow any residual steam to escape.
4. Wait a few minutes (approximately 15 minutes) before unloading the dishwasher as the dishes and cutlery will be hot. This also aids in the drying process.
5. The interior of the dishwasher will be wet, this is normal and will dry naturally.

**WARNING:** It is dangerous to open the door when dishwasher in operation as hot water may scald you.

## Checking the Water Temperature

For the most effective cleaning and to prevent damage to the dishes being cleaned, the water supplied to the dishwasher should be at a temperature of at least 120°F (49°C) and no more than 150°F (66°C).

## Child Lock Function

The child lock function will prevent the unit from functioning and the door from being able to open if it is in the fully closed position.

To engage the function, press the "3-in-1" button and the "Delay" button at the same time. The "lock" icon will illuminate in the display when the child lock function is activated.

To disengage, press the "3-in-1" button and the "Delay" button at the same time. The "lock" icon will go off in the display when the child lock function is deactivated.

## Using The Delay Feature

The start of the HDC2406 can be delayed between 1 and 24 hours in one hour increments. To utilize this feature:

1. Press "ON/OFF" button to "on" position
2. Press "PROGRAM" button
3. Press "DELAY" button once for each hour of delay (i.e. press 3 times to delay start 3 hours)

To cancel the delay feature:

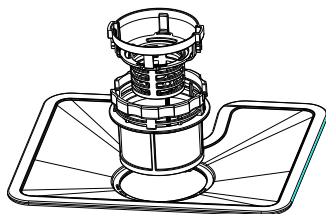
1. Press "ON/OFF" button to "off" position.

## CARE AND MAINTENANCE

### Filter system

The filter system consists of a coarse filter, a fat (main filter) and a micro filter (fine filter).

1. **Main filter:** Food and soil particles trapped by this filter are pulverized by a special jet on the spray arm and washed down the drain.
2. **Fine filter:** This filter holds soil and food residue in the sump area and prevents it from being deposited on the dishes during wash cycle.
3. **Coarse filter:** Larger items, such as those that could block the drain, are trapped in the coarse filter. To remove the items caught by the filter, gently squeeze the tap on the top of this filter and lift out.  
The filter efficiently removes food particles from the wash water, allowing it to be recycled.



For best performance and results, the filter assembly must be cleaned regularly. For this reason, it is a good idea to remove the larger food particles trapping in the filter after each wash cycle by rinsing the filter assembly under running water. To clean the coarse filter and the fine filter, use a soft cleaning brush. Reassemble the filter parts as shown in the diagram and reinsert the entire assembly in the dishwasher, positioning in its seat and pressing downward.



To remove the filter assembly, grab the handle of the fine filter, rotate it counter clockwise then pull in an upward direction.

Step 1: rotate the fine filter counter clockwise;

Step 2: lift fine filter up;

Step 3: lift main filter up

**NOTE:** Reverse this procedure to reinstall the filter.



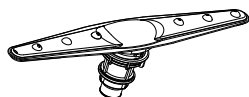
**Remarks:**

- Inspect the filters for blocking every time the dishwasher has been used.
- By unscrewing the coarse filter you can remove the filter system. Remove any food remnants and clean the filters under running water.

**WARNING:** Never run the dishwasher without the filters in place. The dishwasher must never be used without the filters. Improper replacement of the filter may reduce the performance level of the appliance and damage dishes and utensils. The entire filter system should be cleaned once a week. When cleaning the filters do so carefully as otherwise filters may lose their shape and the performance of the dishwasher could be effected.

**Cleaning The Spray Arm**

It is necessary to clean the spray arm regularly for hard water chemicals that can clog the spray arm jets and bearings. Wash the arm in soapy and warm water and use a soft brush to clean the jets.

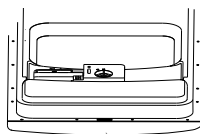
**Cleaning The Control Panel**

- To clean the control panel use a lightly dampened cloth then dry thoroughly. To clean the exterior use a good appliance polish wax.
- Never use sharp objects, scouring pads or harsh cleaners on any part of the dishwasher.

**Cleaning The Door**

To clean the edge around the door, you should use only a soft warm, damp rag

**WARNING:** Never use a spray cleaner to clean the door panel for it could damage the door lock and electrical components. It is not recommended to use abrasive cleansers or rough surface paper towels because of the risk of scratching or leaving spots on the stainless steel surface.

**How To Maintain Your Dishwasher****After every wash**

After every wash, leave the door slightly ajar so that moisture and odors are not trapped inside.

**Do Not Use Solvents or abrasive cleaning products**

To clean the exterior and rubber parts of the dishwasher, do not use solvents or abrasive cleaning products. Rather, use only a cloth and warm soapy water. To remove spots or stains from the surface of the interior, use a cloth dampened with water and a little white vinegar, or a cleaning product made specifically for dishwashers.

## TROUBLESHOOTING

Problem	Possible Causes	Possible Solution:
Dishwasher does not start	Fuse is blown or the circuit breaker has tripped.	Replace the fuse or reset the circuit breaker. Remove any other appliances sharing the same circuit with the dishwasher.
	Power supply is not turned on.	<ul style="list-style-type: none"> <li>• Make sure the dishwasher is turned on and the door is closed securely.</li> <li>• Make sure the power cord is properly plugged into the wall socket.</li> </ul>
	Dishwasher door is not closed properly.	Close the door making sure the door latch is engaged.
Water is not pumped from the dishwasher	Drain hose is kinked	Check the drain hose and ensure there are no kinks.
	Filter is clogged	Check the filter assembly and remove any debris, if any, that may be blocking the filter.
	Kitchen sink is clogged	Check the kitchen sink for adequate drainage. If the kitchen sink is not draining you may need to contact a plumber to inspect your drainage pipe.
Suds in tub	Improper detergent	Use only detergent specifically designed and marked for use with dishwashers.
	Spilled rinse aid	Always wipe up rinse aid spills immediately.
Stained tub interior	Detergent with colorant was used.	If suds occur, open the dishwasher and let them evaporate.
White film on the inside surface	Hard water minerals	Add approximately 1 gallon of cold water to the tub, close and secure the door.
There are rust stains on silverware / cutlery	The affected items are not corrosion resistant	Select the "PRE-WASH" program. Press the Start / Rest button to drain out the water. Repeat if necessary.
Knocking noise in the washing cabinet	The spray arm is knocking against an item loaded in the rack.	Pause the wash cycle and rearrange the items accordingly.
Rattling noise in the washing cabinet	Items are not loaded securely and are vibrating against each other	Pause the wash cycle and rearrange the items accordingly.
Knocking noise in the water pipes	Vibration or loose connections at cross sections of the piping.	Will not affect dishwasher operation. If in doubt, contact a qualified plumber.

Problem	Possible Causes	Possible Solution:
The dishes are not clean.	The dishes were not loaded correctly	See "Loading the Dishwasher Rack" section of this manual.
	The program selected was not the appropriate cycle for the condition of the dishes.	Select a more intense program.
	Not enough detergent was dispensed.	Use more detergent, or change the type of detergent being used.
	Items were blocking the rotation path of the water spray arm.	Rearrange the items accordingly so that the spray arm can rotate freely.
	The filter assembly in the base of the unit is not clean, is clogged, or is not installed correctly. (This may cause the spray arm jets to become clogged).	Clean and/or fit the filter assembly correctly. Clean the spray arm jets. See the "Cleaning the Spray Arm" section of this manual.
Cloudiness on the glassware.	This is a combination of soft water and too much detergent.	Use less detergent if you have soft water and select a shorter cycle to wash the glassware to get them clean.
Black or gray marks on dishes.	Aluminum utensils have rubbed against the dishes.	Use a mild abrasive cleaner to remove the marks
Detergent left in the dispenser cups.	Dishes blocked the detergent cups not allowing them to open completely during the wash cycle.	Rearrange the dishes accordingly and re-run the wash cycle.
The dishes are not dry	Improper loading	See "Loading the Dishwasher Rack" section of this manual.
	Too little rinse aid	Increase the amount of rinse aid dispensed or refill the rinse aid dispenser if empty.
	Dishes were removed from the washer too soon.	Do not empty your dishwasher immediately after the cycle ends. Open the door slightly so that the steam can escape. Begin unloading the dishwasher once the dishes are barely warm to the touch.
	Wrong program / cycle selected.	Shorter cycles/programs use lower temperatures which also lowers cleaning performance. Choose a cycle / program with a longer wash time.
	Using cutlery with a low quality coating.	Water drainage is more difficult with these items. Cutlery or dishes of this type are not suitable for dishwasher use.

## ERROR CODES

Your dishwasher has an error code indicator function. For certain appliance malfunctions, the corresponding error code will be shown in the LED display:

Code	Meaning	Possible cause
E1	Water Intake Problem	Faucet is not opened, water intake is restricted, or water pressure is too low.
E4	Overflow	Some element of dishwasher is leaking. Turn main water supply off immediately! Remove water from around base before restarting dishwasher.