

# Residential Dishwashers

## Covered Products

- Standard dishwasher ( $\geq$  8 place settings + 6 serving pieces)
- Compact dishwashers ( $<$  8 place settings + 6 serving pieces)

## Definitions

**Dishwasher (or dishwashing machine):** A cabinet-like appliance which, with the aid of water and detergent, is designed to wash and sanitize plates, glasses, cups, bowls, utensils, and trays by chemical, mechanical and/or electrical means and a sanitizing final rinse.

**Under Counter Dishwasher:** A machine with an overall height of 38 inches or less, in which a rack of dishes remains stationary within the machine while being subjected to sequential wash and rinse sprays, and is designed to be installed under food preparation workspaces. Under-counter dishwashers can be either chemical or hot water sanitizing, with an internal booster heater for the latter. For purposes of this specification, only those machines designed for wash cycles of 10 minutes or less can qualify for ENERGY STAR®.

**Stationary Rack, Single Tank, Door Type Dishwasher:** A machine in which a rack of dishes remains stationary within the machine while subjected to sequential wash and rinse sprays. This definition also applies to machines in which the rack revolves on an axis during the wash and rinse cycles. Subcategories of stationary door type machines include single and multiple wash tank, double rack, pot, pan and utensil washers, chemical dump type and hooded wash compartment (“hood type”). Stationary rack, single tank, door type models are covered by this specification and can be either chemical or hot water sanitizing, with an internal or external booster heater for the latter.

**Single Tank Conveyor Dishwasher:** A dishwashing machine that employs a conveyor or similar mechanism to carry dishes through a series of wash and rinse sprays within the machine. Specifically, a single tank conveyor machine has a tank for wash water

followed by a final sanitizing rinse and does not have a pumped rinse tank. This type of machine may include a pre-washing section before the washing section. Single tank conveyor dishwashers can be either chemical or hot water sanitizing, with an internal or external booster heater for the latter.

**Multiple Tank Conveyor Dishwasher:** A conveyor type machine that has one or more tanks for wash water and one or more tanks for pumped rinse water, followed by a final sanitizing rinse. This type of machine may include one or more pre-washing sections before the washing section. Multiple tank conveyor dishwashers can be either chemical or hot water sanitizing, with an internal or external booster heater for the latter.

**Hot Water Sanitizing (High Temp) Machine:** A dishwashing machine that applies potable hot water to the surfaces of wares to achieve sanitization.

**Chemical Sanitizing (Low Temp) Machine:** A dishwashing machine that applies potable water and a chemical sanitizing solution to the surfaces of wares to achieve sanitization.

Features include:

- **Soil sensors** test how dirty dishes are throughout the wash and adjust the cycle to achieve optimum cleaning with minimum water and energy use.
- **Improved water filtration** removes food soils from the wash water allowing efficient use of detergent and water throughout the cycle. The final clean-water rinse assures your dishes come out clean.
- **More efficient jets** use less energy to spray detergent and water over the dishes when cleaning.
- **Innovative dish rack designs** maximize cleaning by strategically situating the dishes.

### **Standard Setting and Certifying Program**

Various national and international standards apply to electronic appliances. They are defined here as a guide:

**ENERGY STAR®** is a voluntary energy efficiency program sponsored by the U.S. Environmental Protection Agency. The ENERGY STAR® program makes identification of energy efficient appliances easy by labeling products that deliver the same or better performance as comparable models while using less energy and saving money. For additional information on the ENERGY STAR® program, including product

specifications and a list of qualifying products, visit the ENERGY STAR® website at <http://www.energystar.gov>.

## **Specification**

### ***Purchasing Residential Dishwashers***

All affected entities shall purchase residential dishwashers that are Energy Star certified.

In addition, all affected entities are encouraged to purchase residential dishwashers which are remanufactured or incorporate recycled materials in the manufacturing of the residential dishwasher to the extent practicable.

## **End of Life Management**

All affected entities shall follow the following hierarchy for end of life management of residential dishwashers:

- If the unit is still in working condition:
  - Attempt to re-use it if a residential dishwasher is needed in another application/facility.
  - If the unit is no longer needed, work with the OGS Surplus Property program for redistribution or sale.
- If the unit is no longer in working condition:
  - Ensure that it is properly recycled through your entities e-waste recycling program.

## **Packaging**

Packaging shall comply with Environmental Conservation Law section 37-0205. Packaging shall not contain inks, dyes, pigments, adhesives, stabilizers, or any other additives to which any lead, cadmium, mercury or hexavalent chromium is intentionally added or contain incidental concentrations of lead, cadmium, mercury or hexavalent chromium which together are greater than 100 parts per million by weight (0.01%).

New York State encourages affected entities to adopt the following:

- The use of bulk packaging.
- The use of reusable packaging.
- The use of innovative packaging that reduces the weight of packaging, reduces packaging waste, or utilizes packaging that is a component of the product.
- That all packaging remain the property of the supplier and not become the property of the affected state entity under any circumstance or condition. The vendor shall certify that the packaging material will be reused, recycled, or

composted, and managed in compliance with applicable local, state, and federal laws.

- Packaging that maximizes recycled content and/or meets or exceeds the minimum post-consumer content level for packaging in the U.S. Environmental Protection Agency Comprehensive Procurement Guidelines.
- Packaging that is recyclable or compostable.