

# HWS050 & HWS100



## HWS050

Rated for 16,000 grains per tank, 5 gpm (18.9 lpm) Service flow, 150°F (65.6°C)

The 3M™ Water Filtration Products HWS Series of warewashing water softener systems are designed to reduce spotting on dishes, glasses and flatware, as well as reduce scale build-up on dishwasher spray nozzles and compartments. A high capacity, high temperature resistant resin provides the ability to remove calcium and magnesium minerals that cause white spots on dishware. This “softened” water also reduces hard scale build-up on dish machine walls and nozzles, which can reduce performance and equipment life. Softened water also allows detergents to work more efficiently, reducing excess chemical consumption.

## Product Benefits

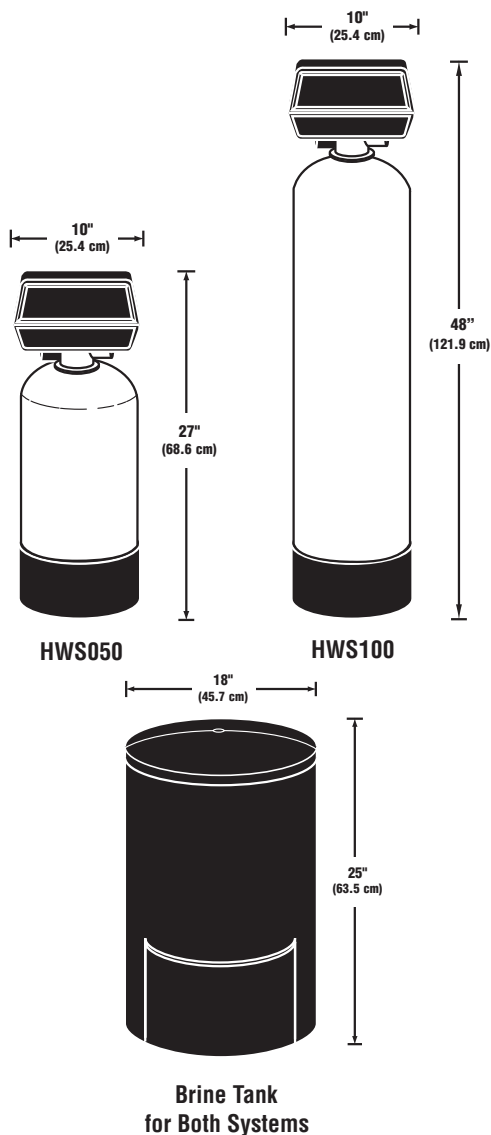
- Space saving design allows unit to fit directly under dishwasher table for convenient storage.
- Corrosion resistant vinylester resin tank offers reduced deterioration and long term performance for temperatures up to 150°F (65.6°C).
- Safety brine valve ensures overflow prevention in the event of a power outage.
- 12 day timer controlled regeneration allows system to clean and regenerate automatically without daily monitoring or interruption of service.
- 316SS 3/4” Male BSP bypass as standard.
- 240 VAC to 24 VAC transformer.

## Product Specifications

Model No	Part No.	Style	Capacity	System Flow Rate	Application
HWS050	HWS050	Vinylester Tank with 316SS 3/4” Male BSP bypass	16,000 grains per tank	5 gpm (18.9 lpm)	150°F (65.6°C) water, Maximum
HWS100	HWS100		32,000 grains per tank	8.5 gpm (32.2 lpm)	

**WARNING:** Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. If system is not used for 2 days or more, flush 5-10 litres of water through before consuming water.

System certified for cyst reduction may be used on disinfected water that may contain filterable cysts.



## Physical Specifications

### System:

- 316SS 3/4" Male BSP Connections.
- Maximum operating pressure of 100 psi (689 kPa) and operating temperature of 150°F (65.6°C).
- 16,000 grain capacity at 5 gpm (18.9 lpm) service flow rate for HWS050.
- 32,000 grain capacity at 8.5 gpm (32.2 lpm) service flow rate for HWS100.

### Control Valve:

- Lead free brass, 5 cycle.
- Timer controlled.
- 316SS 3/4" Male BSP Connections.
- 240 VAC to 24 VAC Transformer.

### Resin Tank:

- Vinylester
- Heat resistant, high capacity ion exchange.

### Brine Tank:

- High density polyethylene.
- Includes brass safety valve.
- Holds up to 230 lbs. (104.3 kg) of salt.
- Salt support shelf.

## Important Installation Tips:

These installation tips are for informational purposes only and are not intended to be used as actual installation instructions. **CAUTION:** To reduce the risk associated with property damage due to water leakage:

- **Read and follow.** Use Instructions before installation and use of this system.
- **Installation and use.** MUST comply with all state and local plumbing codes.
- **Protect from freezing,** remove system when temperatures are expected to drop below 40°F (4.4°C).
- **Do not install on hot water supply lines.** The maximum operating water temperature of this filter system is 100°F (37.8°C).
- **Do not install** if water pressure exceeds 100 psi (689 kPa). If your water pressure exceeds 80 psi (552 kPa), you must install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure.
- **Do not install** where water hammer conditions may occur. If water hammer conditions exist you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.

**WARNING:** To reduce the risk associated with the ingestion of contaminants: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

### WARRANTY

CUNO Incorporated warrants this 3M Water Treatment Product ("Product") to be free from defects in material and workmanship during normal residential use for one year on the entire product. This warranty does not apply to failures that result from abuse, misuse, alteration or damage not caused by CUNO or failure to properly follow installation and use instructions. This warranty does not apply to media and/or media replacement. Please refer to the Warranty Card provided with the product for additional warranty details.

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