

# 3M™ Water Filtration Products

SPEC# \_\_\_\_\_

QUANTITY \_\_\_\_\_

application:

## WAREWASHING EQUIPMENT

models:

### HWS050 & HWS100

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.
- 3/4” 316SS bypass with FIP connections as standard.
- 115 VAC to 24 VAC transformer is energy efficient.



#### HWS050

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

#### PRODUCT SPECIFICATIONS

Model Number	Part Number	Style	Capacity	System Flow Rate	Application
HWS050	HWS050	Vinylester Tank 3/4” FIP Connections 115 VAC to 24 VAC transformer	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)	



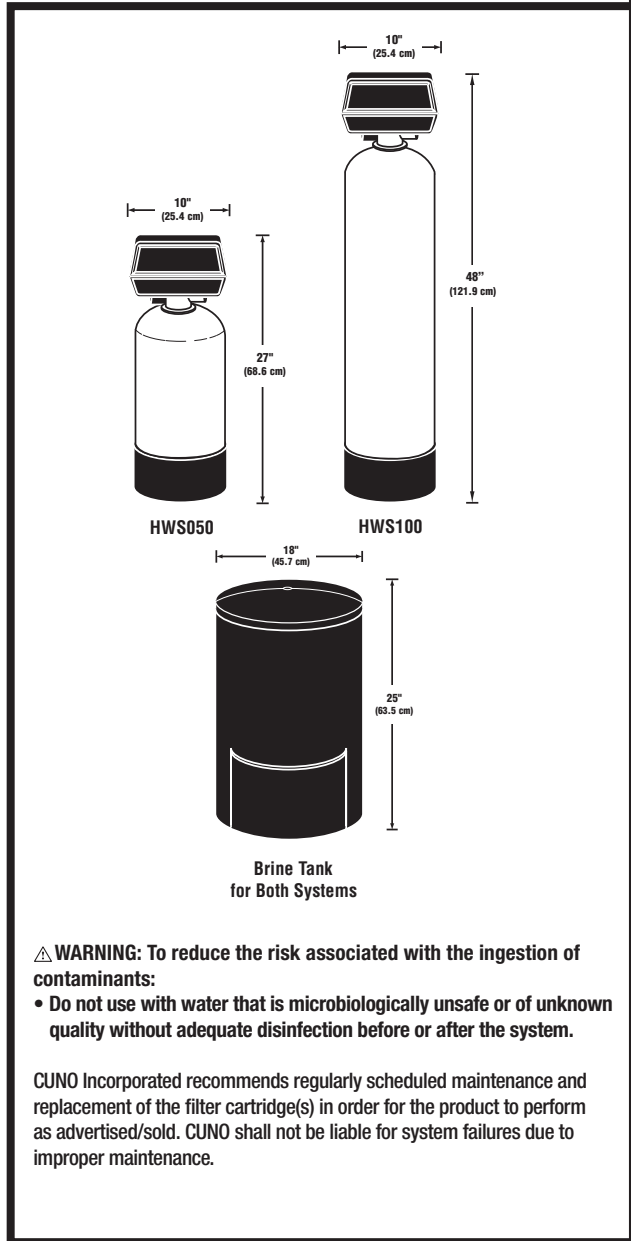
# HWS050 & HWS100

SPEC# \_\_\_\_\_

QUANTITY \_\_\_\_\_

MODEL NUMBER \_\_\_\_\_

PART NUMBER \_\_\_\_\_



**⚠ 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.

CUNO Incorporated recommends regularly scheduled maintenance and replacement of the filter cartridge(s) in order for the product to perform as advertised/sold. CUNO shall not be liable for system failures due to improper maintenance.

# 3M™ Water Filtration Products

## PHYSICAL SPECIFICATIONS

### System:

- 3/4" female NPT connections.
- Maximum operating pressure of 100 psi (689 kPa) and operating temperature of 100°F (37.8°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.
- 3/4" 316SS bypass, FIP.
- 115 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.

