

Model 540 Washer/Pasteurizer SITE REQUIREMENTS

1. Floor Space Requirements:

The floor should be firm and level. Maximum weight of the Model 540 when filled with water is approximately 400 pounds. The dimensions of the system are:

Width: 26 ½" (67 cm)

Depth: 31" (79 cm) (Allow additional depth as needed for drainage or electrical connections).

Height: 44" (112 cm) – to top of control panel; 46" (117 cm) with castor option
61" (155 cm) – height clearance with lid open; 63" (160 cm) with castor option

Additional Clearance: Allow 6" (15 cm) clearance on the left side of the pasteurizer to access the power switch.

2. Plumbing Requirements:

- Hot water faucet with standard hose-type connection.
- Water pressure between 30 and 80 PSI.
- For efficient operation of the pasteurizer, the available water temperature should be 115°F - 120°F (46°C - 49°C).
- Drain pipe with trap, 1 ½" (3.8 cm) minimum I.D.
- Drain pipe must be located at a minimum height of 34" (86.4 cm) from the floor.
- Back flow protection device for the water main.
- For the Model 540HT, additional plumbing is required.

3. Electrical Requirements:

115V: Three-prong, grounded 30A electrical outlet (NEMA L5-30R) and a 120 VAC, single phase, 60Hz, 30A* dedicated circuit. Outlet should be within 3' (91.44 cm) of center rear of machine. Machine is equipped with a 6.5' (198.12 cm) power cord and a 3-prong, 30A locking plug (NEMA L5-30P). *Note: Actual maximum current draw is 20A.

230V: Three-prong, grounded 30A electrical outlet (NEMA L6-30R) and a 240 VAC, single phase, 60Hz, 30A* dedicated circuit. Outlet should be within 3' (91.44 cm) of center rear of machine. Machine is equipped with a 6.5' (198.12 cm) power cord and a 3-prong, 30A locking plug (NEMA L6-30P). *Note: Actual maximum current draw is 12A.

For the Model 540HT, a separate 208V, 50A, 3-phase system is required that has direct wiring to the wall.

4. Electrical Specifications:

- Electrical Ratings: (For 115V) 115V, 60Hz, 20A or (For 230V) 230V, 60Hz, 12A
- Pollution rating: 2
- Installation category: 2
- Maximum relative humidity: 80% for temperatures up to 31 °C (87.8°F); decreasing linearly to 50% relative humidity at 40 °C (104 °F)
- Environmental operating temperature range: 5°C-40°C (41°F-104°F)
- Maximum altitude: 2,000 m (6,562 ft)
- Mains supply voltage fluctuations are not to exceed 10% of the nominal supply voltage.
- For indoor use only.
- Maximum sound pressure produced: 82 dBa

INSTALLATION

1. Position the Model 540 pasteurizer in its location. Allow at least 6" (15 cm) clearance on the left side of the pasteurizer to access the power switch. The leveling feet are mounted and set to be level from the factory, however, verify that the machine is level at its installed location.

NOTE: This step is very important for proper functioning of the Model 540. Do not assume your floor is level. The Model 540 has four feet. Make sure all four feet are supporting the machine.

Use a 36" long level placed across 1) the front; 2) the back; 3 and 4) the right and left sides of the tank with the lid up to verify that the tank is level. If it is not, level it by raising and lowering the leveling legs (or casters) as needed. When level, the baskets are well centered in the tanks, and the lids shut properly. If the Model 540 is equipped with casters, tighten the locking levers on the front casters.

2. Remove water inlet hose and drain hose from the inside of the machine.
3. Connect one end of one water inlet hose to the 'COLD WATER IN' water valve on rear of machine and the other end to the cold water supply. Tighten both connections using slip-joint pliers.
4. Connect the second water inlet hose to the 'HOT WATER IN' water valve on rear of machine and the other end to the hot water supply. Tighten both connections using slip-joint pliers.

NOTE: For a Model 540HT, consult an on-site plumber for plumbing requirements.

5. To install the drain hose on the back of the Model 540, first place the gooseneck end of the drain hose into a 1 1/2" (3.8 cm) minimum I.D. drain pipe which must be located at a minimum height of 34" (86.4 cm) from the floor. Be certain that the drain hose will not be kinked when the Model 540 is pushed back to the wall. Push the drain hose on the elbow below the control cabinet and tighten the hose clamp using a flathead screwdriver.

NOTE: Never make a sealed connection between drain hose and drain pipe.

6. Connect power supply cord to a 3-prong, grounded electrical receptacle - 120 VAC, 60 Hz, 30A dedicated circuit.
7. Turn ON the power switch located underneath the control cabinet to the extreme left of the machine. The lights on the control panel will light and then turn off. The power indicator, heat indicator, and temperature display will remain on.

NOTE: For a Model 540HT, consult an on-site electrician for connection requirements.

8. Thoroughly clean the tanks, equipment basket, layer dividers, compartment dividers, and mesh bags of any shipping dust.
9. Refer to **Start-Up Procedure** in this manual before operation.

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