



MODEL 6540/6545
PHOTOSTABILITY CHAMBER
Installation Requirements



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INSTALLATION

Unpacking

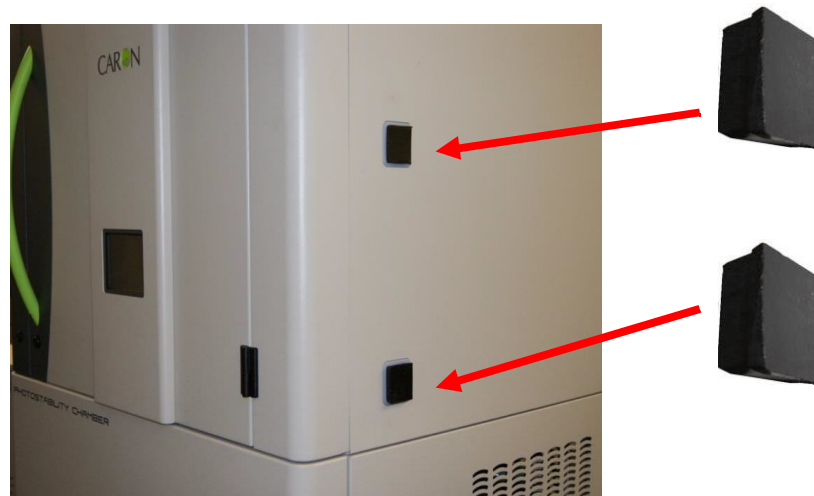
This product has been completely tested, cleaned and packed for shipment. Carefully remove all packing material. Please examine the chamber completely. Should any damage be found, notify the delivering carrier immediately. Report any shortages to your local distributor or contact CARON customer service at 740-373-6809, 800-648-3042 (USA only) or service@caronproducts.com.

Chamber Location

The photostability chamber is an instrument and should be treated accordingly. The chamber must be located in a dry, clean, and level area. Allow a 2 inch (51 mm) clearance from the back of chamber for proper air circulation. Locate the chamber in an area out of direct sunlight and away from heating and cooling ducts. Ambient temperature should be 18°C - 25°C and avoid locations where there are excessive ambient air temperature fluctuations. The chamber can exhaust 4000 BTU/hr (1170 W) into the surroundings. The chamber operates quietly around 60 dBA at 6 ft (2 m) away.

Caution: Do not put more than 10 lbs (4.5 kg) on top of unit.

The figure below shows a right view of the chamber with access port locations. Install rubber stoppers into both access ports. Press in firmly.



Power Requirements

The Power Cord of this chamber is equipped with a grounded plug to minimize the possibility of electrical shock from the chamber. CARON recommends that the chamber have a dedicated wall outlet. Verify correct power supply required for particular unit.

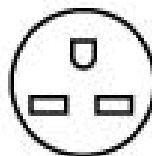
Models 6540-1 and 6545-1

Plug is NEMA configuration 5-15P for 115V, 15A (Hubbell 5266C).



Models 6540-2 and 6545-2

Plug is NEMA configuration 6-15P for 208/230V, 15A (Hubbell 5666C).



Models 6540-3 and 6545-3

Modular cord set has continental European CEE 7/7 10/16A plug. Connector type is IEC 60320 C14 (or C20 with options).



Style C14



Style C20

Water Drain

Plumb the water drain connection to a facility drain. The drain should handle 1 liter per day.

6540-1, 6540-2, 6545-1, 6545-2 Connect to 1/4FPT fittings on back of unit with 1/4MPT fitting.

6540-3, 6545-3 Connect to 1/4BSPP male (British Standard Pipe Parallel, also known as ISO parallel) on back of unit with a 1/4BSPP female fitting.

Note: Under certain ambient (room) temperature and humidity conditions, the cooling system will condense moisture from the air. A drain is required, even if the chamber does not have humidity control.

Water Supply (optional)

The chamber requires *distilled* or *deionized* water with resistivity between 0.05 & 1 Mega Ohm-cm and pH above 6.5. Using water outside this range will void the warranty. Typical water usage is 0.4 gallons/day (1.5 liters/day) with a maximum of 3.2 gallons/day (12 liters/day).

6545-1, 6545-2 Connect to 1/4FPT fittings on back of unit with 1/4MPT fitting.

6545-3 Connect to 1/4BSPP male (British Standard Pipe Parallel, also known as ISO parallel) on back of unit with a 1/4BSPP female fitting.

