Replacement Parts

Corning Catalog No.	Description	Usage
411007	Power Cord	PC-400D/410D/420D, 120V
410956	Power Cord	PC-600D/610D/620D, 120V
411021	Power Cord	PC-400D/410D/420D and PC-600D/610D/620D, 100V
410942	Power Cord	PC-400D/410D/420D and PC-600D/610D/620D, 230V (UK plug)
440124	Power Cord	PC-400D/410D/420D and PC-600D/610D/620D, 230V (Euro Plug)
Contact Corning customer service for part number	Ceramic top plate/ element assembly, 5" x 7"	PC-400D/410D/420D, All Voltages
Contact Corning customer service for part number	Ceramic top plate/ element assembly, 10" x 10"	PC-600D/610D/620D, All Voltages
Contact Corning customer service for part number	PC Control Board	
440135	Control Knob	All models

Technical Specifications

		Power (Volts/Hz/Watts/Amp)						
Model	Type	120V (6795 models)	100V (6797 models)	230V (6796 models)	230V (6798 models)[2]	Temp. Range[1]	Stir Range (RPM)	Weight
PC-400D	Hot Plate	120V/60Hz/ 628W/5.3A	100V/60Hz/ 548W/5.5A	230V/50Hz/ 628W/2.7A	230V/50Hz/ 628W/2.7A	5°-550°C (41°-1022°F)		2.7kg (6.0 lbs.)
PC-600D	Hot Plate	120V/60Hz/ 1043W/8.7A	100V/60Hz/ 1043W/10.5A	230V/50Hz/ 1043W/4.5A	230V/50Hz/ 1043W/4.5A	5°-550°C (41°-1022°F)		4.5kg (10.0 lbs.)
PC-410D	Stirrer	120V/60Hz/ 73W/0.7A	100V/60Hz/ 78W/0.8A	230V/50Hz/ 73W/0.3A	230V/50Hz/ 73W/0.3A		60-1150	3.2kg (7.0 lbs.)
PC-610D	Stirrer	120V/60Hz/ 73W/0.7A	100V/60Hz/ 78W/0.8A	230V/50Hz/ 73W/0.3A	230V/50Hz/ 73W/0.3A		60-1150	5.2kg (11.5 lbs.)
PC-420D	Stirrer/ Hot Plate	120V/60Hz/ 698W/5.9A	100V/60Hz/ 623W/6.3A	230V/50Hz/ 698W/3.0A	230V/50Hz/ 698W/3.0A	5°-550°C (41°-1022°F)	60-1150	3.2kg (7.0 lbs.)
PC-620D	Stirrer/ Hot Plate	120V/60Hz/ 1113W/9.3A	100V/60Hz/ 1113W/11.2A	230V/50Hz/ 1113W/4.8A	230V/50Hz/ 1113W/4.8A	5°-550°C (41°-1022°F)	60-1150	5.2kg (11.5 lbs.)

[1] The Temperature Range using the External Temperature Controller is 5°-200°C (41°-392°F).
[2] Catalog numbers beginning with 6798 in 230V are non European configuration models.

Product Size and Dimensions

Models	Top Plate Size Inches (Millimeters)	Product Dimensions Inches (Millimeters)
PC-400D/410D/420D	5" x 7" (12.7 x 17.8 cm)	4.25 x 7.75 x 11" (10.8 x 19.7 x 28 cm)
PC-600D/610D/620D	10" x 10" (25.4 x 25.4 cm)	4.625 x 11 x 15.375" (11.75 x 19.7 x 39.05 cm)

Frequently Asked Questions

- **I have a beaker of water on my hot plate and set the temperature for 550°C. Why does the display setting blink and not remain constant?**

  The display will blink at any time when the temperature sensor is not within range of the set temperature value. The temperature measured by the sensor is a composite of the temperature of the heating element located beneath the sensor, the ceramic top above the sensor, and the very small air space around the sensor. Water requires a substantial amount of heat in order to boil yet remains at a constant temperature of 100°C for the duration of the boiling process. Although the heating element is producing maximum heat at the 550°C setting, the water consumes this heat so quickly during the boiling process that the heat is unable to raise the temperature measured by the sensor to within range of the 550°C set value.

- **How long does it take to bring a beaker of water to boil?**

  Using a 600 mL PYREX® beaker with 400 mL of water at 25°C, it takes approximately 15 minutes to bring the water to a full, rolling boil.

- **Can I use a metal tray on top of my Corning® hot plate?**

  No. The metal will act as a heat sink, and have a high probability of creating an abnormal heating condition. If an abnormal condition is detected, the product will shut down. A metal vessel will also scratch the ceramic top plate.

- **The stir bar keeps decoupling. Why and what can I do to stop this?**

  These units are programmed to minimize decoupling. However, liquid viscosity, stir bar magnetic strength, vessel used, and speed changes can cause decoupling. High viscosity liquids must be stirred at slower speed settings. The magnetic strength of stir bars can weaken over time and may need to be replaced. Vessels used need to have thin, flat bottoms to insure optimal performance. Rapid decreases in stir speed can cause decoupling as the magnet slows down quicker than the stir bar and the liquid.

- **What size vessel should I use?**

  Vessels used on the top of a hot plate must not be larger than the top plate.