



PHP-3535F/6116F, Precision Hot Plates for non-stop operation

The heating surfaces of the hot plates are composed of a good heat conducting Aluminium alloy, and have a smooth anodized finish for easy maintenance. The electrical long-term heating ensures that the temperature remains uniform, even on the corners and edges. The microprocessor controlled digital regulator allows the operating temperature to be preset in 0.1°C stages up to 99.9°C and in 1.0°C stages for temperatures over 100°C. The preset temperature remains programmed, even when the equipment has been switched off. Presetting is only possible by using two fingers; this is to prevent any unintentional alterations that could occur by

accidentally touching only one key. The actual temperature is permanently displayed by 14mm high numerals after the keys have been released.

An adjustable self-protection against overheating prevents the hotplate and the substance to be heated from being subjected to dangerously high temperatures.

This protective device is activated when the START button has been depressed. A removable Plexiglass cover prevents any unauthorized adjustments.

All models are equipped with an electronic output regulator that allows the heating output to be adjusted between 10 to 100%, this prevents the hotplate exceeding the predetermined temperature and/or to avoid any after-heating effect. The temperature of all precision hotplates is measured with an integrated, quick-reaction sensor (PT 100).

All models are equipped with a 3-pole diode output bushing (extra-low voltage), to permit the connection of one of the following appliances:

1. Contact Thermometer – to measure the temperature directly from the heated material and to regulate.
2. Time switch – in order to heat or cool the apparatus at preset intervals.

Model PHP-6116F (long shape) is equipped with 5 screw-in sockets for support rods, at intervals of 125 mm.

Special Feature:

Due to the asymmetrical, quick-reaction special heating and thermal sensors as well as output adaptation to the thermal requirements, very precise temperatures with a good uniform heat are obtainable over the whole heating surface.



Accessories:

SK-83	Cable with plug for contact thermometer
ST-12	Support rod, 12 mm, 660 mm long
HK-3	Holder for contact thermometer

Model	PHP-3535F	PHP-6116F
Voltage (Volt)	230-240 V, 50-60 Hz	
Performance (Watt)	2200	2000
Plate size	350 x 350	610 x 160
Temperature Range (°C)	20 - 300	
Constant temperature	± 0.5 K	
Width and Depth	365 x 380	615 x 215
Height (mm)	155	160
Weight (Kg)	14.4	12.2