

Lindberg/Blue M Ceramic Hot Plates/Stirrers

These ceramic topped plates are ideal for applications involving heating, stirring, or heating and stirring together. Variable stir speeds and adjustable temperatures provide a great deal of flexibility. Built for dependable long lasting operation, these ceramic topped plates are easily cleaned and maintained to provide years of dependable service.

features

- Rapid heating and good uniformity.
- Magnetic adjustable stirrer
- Moldatherm® element
- Integral thermostat controls to 400° C
- Solid state stirrer controls to 1850 RPM
- Ceramic top plate



...on the leading edge of temperature technology



Moldatherm Box Furnace



Waterbath



1200 C Box Furnace



Mechanical Convection Oven



1200 C Tube Furnace
and Controller

Moldatherm 53066, 53166, 53266

Principal Features

heating units

The heating unit is made using Lindberg/Blue M's patented Moldatherm process in which the heating elements are embedded in vacuum molded ceramic fiber. The low thermal mass of the ceramic fiber results in excellent heat transfer which translates into increased efficiency and rapid temperature acquisition. The heating elements are manufactured with a chromel-alumel wire, making them resistant to oxidation. This all results in a heating unit of unbeatable thermal characteristics and long life.

magnetic stirrer

The stirring action of Models 53166 and 53266 is accomplished by use of a teflon coated magnet which is placed in the solution to be stirred. The driving force is purely magnetic with no mechanical device in the solution. Even at higher velocities, the stirring magnet creates energetic agitation in orderly vortices.

speed control

The solid state electronic circuitry allows uniform control of stirring velocity up to 1850 rpm, adequate agitation to stir any solution. The green indicator lamp lights when the speed control knob has been activated.

temperature control

The continuous temperature control lets you gradually increase temperature without step increments. Model 53166 reaches 400° C and Model 53066 reaches 400° C at the heated surface. The temperature control knob, located at lower left front of the hot plate is equipped with one control and one temperature indicator lamp, both red in color.

refractory heating surface

The heating surface is made of white refractory porcelain, very resistant to thermal shocks, corrosion, discoloration, and is easy to clean and maintain. The heating surface is fixed to the body of the hot plate with stainless steel.

switch

The power switch is a rocker type which permits powering on and off of the equipment without variation in temperature and velocity controls previously set. An amber indicator light shows when the unit is powered-up. All hot plates are equipped with: Indicator lamp for operation, Power cord with three prong plug and safety fuse for operation at 120 volts, 1 phase, 60 Hz. All indicator lamps are "led" solid state for long life.

specifications

Hot Plate Model 53066

Work Area (in.): 7 x 5.75
Maximum Temperature: 400° C
Wattage: 500
Exterior Dimensions (in.):
7.5 W x 5.75 H x 9 D
Shipping Weight: 7 lbs.

Hot Plate/Stirrer Model 53166

Work Area (in.): 7 x 5.75
Maximum Temperature: 400° C
Wattage: 530
Maximum Stir Speed: 1850 r.p.m.
Exterior Dimensions (in.):
7.5 W x 5.75 H x 9 D
Shipping Weight: 8 lbs.

Stirrer Model 53266

Work Area (in.): 7 x 5.75
Maximum Stir Speed: 1850 r.p.m.
Wattage: 18
Exterior Dimensions (in.):
7.5 W x 5.75 H x 9 D
Shipping Weight: 8 lbs.

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