

# Big SHOT III™ Hybridization Oven

## Models 230402 and 230402-2

Whether you are working with Northern Blots, Southern Blots, Microarrays or another application that requires incubation, you will find the Big SHOT III™ Hybridization Oven is a perfect fit for the job. This unit is designed to provide rapid heat-up, excellent temperature stability and efficient mixing for all types of hybridization and incubation applications. The Big SHOT III™ unit is stackable and is provided with a reversible door so that you may optimize your bench space. Additional features include a digital timer that is fully programmable up to 99 hours/ 59 minutes, an adjustable safety cut-out as well as a removable drip tray for easy clean-up. Each Big SHOT III™ Hybridization Oven is provided with a standard carousel which holds up to ten 35 x 300mm bottles or twenty 35 x 150mm bottles.

Boekel Scientific provides a full line of accessories which make it possible to accommodate many different vessel sizes, types, quantities and orientations. To complete your application needs, this unit can accommodate an optional large bottle carousel which holds four 70 x 220mm bottles, a multi-tube carousel which holds one hundred 1.5ml or 2.0ml conical tubes and thirty-five 15ml tubes, or a microplate carousel which holds up to 10 sealed standard or deep well plates. Additionally, the Oven can be converted to a platform rocker with an optional rocker platform attachment.

### Features:

- PID temperature controller for rapid heat up and excellent temperature stability
- Forced air convection
- User settable over temperature safety thermostat
- Fully programmable digital timer - up to 99 hours, 59 minutes
- Carousel speed up to 60 RPM in 1 RPM increments
- Reversible door
- Stackable
- Easy to remove stainless steel drip pan



	Model 230402 (115 VAC)	Model 230402-2 (230 VAC)
Vessel Capacity (standard carousel included)*	10 - 35 mm x 300 mm, or 10 - 35 mm x 225 mm, or 20 - 35 mm x 150 mm, or 20 - 35 mm x 100 mm bottles	
Temperature Range	Ambient +10°C to 100°C	
Temperature Set Range	0°C to 100°C	
Stability	+/-0.2°C	
Accuracy	Ambient +65°C in 25 minutes	
Heat-up Time	+/-0.25°C at 65°C	
Overall Dimensions (Width x Length x Height)	47.6 cm x 35.9 cm** x 47.9 cm (18.75 in x 14.12 in x 18.87 in)	
Chamber Dimensions (Width x Length x Height)	34.3 cm x 25.7 cm x 27.3 cm (13.5 in x 10.12 in x 10.75 in)	
Speed	5 to 60 RPM (variable)	
Timer	Up to 99 hr 59 min	
Net Weight	19.1 kg (42 lb)	
Shipping Weight	24.5 kg (65 lb)	
Electrical	115 VAC 60 Hz 320 W (UL/ CSA)***	230 VAC 50/60 Hz 325 W (CE)

\*See the section on accessories for carousels that hold different vessels.

\*\*Add 3" for Power Cord

\*\*\*Certified to UL 61010A-1 and CSA C22.2 No. 1010

# Big SHOT III™ Accessories

## Carousels and Clips

**Model 230442** - The Multi-Tube Carousel works with a variety of interchangeable clip sizes to hold a combination of 50 mL, 15 mL, 2.0 mL, and 1.5 mL tubes, allowing for simultaneous processing of multiple sized tubes. The clips are supplied with mounting hardware, and mount onto the plates on the carousel. Depending on the tube size, the tubes may be positioned horizontally, vertically, or at an angle.

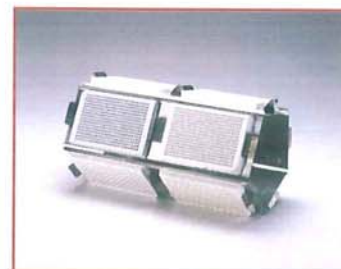


Number of Plates on Carousel	Tube Sizes Held	Maximum No. and Orientation of Tubes per Plate	Total Number of Tubes Held (carousel fully loaded)	Corresponding Clips (Bags of 50)
5	50 mL	5 Horizontal	25	230250
		6 Vertical	30	
5	15 mL	6 Horizontal	30	230215
		7 Vertical	35	
5	2.0/ 1.5 mL	20 Any orientation	100	230210

## Carousel for Microplates

**Model 230426** - These carousels hold standard microplates or deep well plates. (Plates must be sealed before use in carousel.)

Microplate Carousel	No. of Plates Held per Carousel
230426	10



## Large Bottle Carousel

**Model 230440** - For processing large membranes, this carousel holds four 70 mm x 220 mm (750 mL) acrylic bottles, or four 55 mm x 180 mm (400 mL) acrylic bottles.



## Rocker Platform

**Model 230420** - Use the Rocker Platform for incubation of large blots in flat-bottomed containers.

Platform dimensions	21.5 cm x 28.0 cm x (8.5 in x 11 in)
Weight capacity	5.0 kg (11 lb)
Speed	5 - 60 strokes per minutes, variable speed
Rocking angle	16°



## Large Acrylic Bottles and Gaskets

Large bottles are constructed of beta-blocking acrylic. Designed with screw-on cap and leak-proof gasket.

Bottle Size	Model Number
70 mm x 220 mm (750 mL) bottle, each	502-0009
55 mm x 180 mm (400 mL) bottle, each	502-0010
Gasket for 502-0009, package of 2	A1902701
Gasket for 502-0010, package of 2	A1902702

