

**MICROZONE CORPORATION
BIOLOGICAL SAFETY CABINETS**

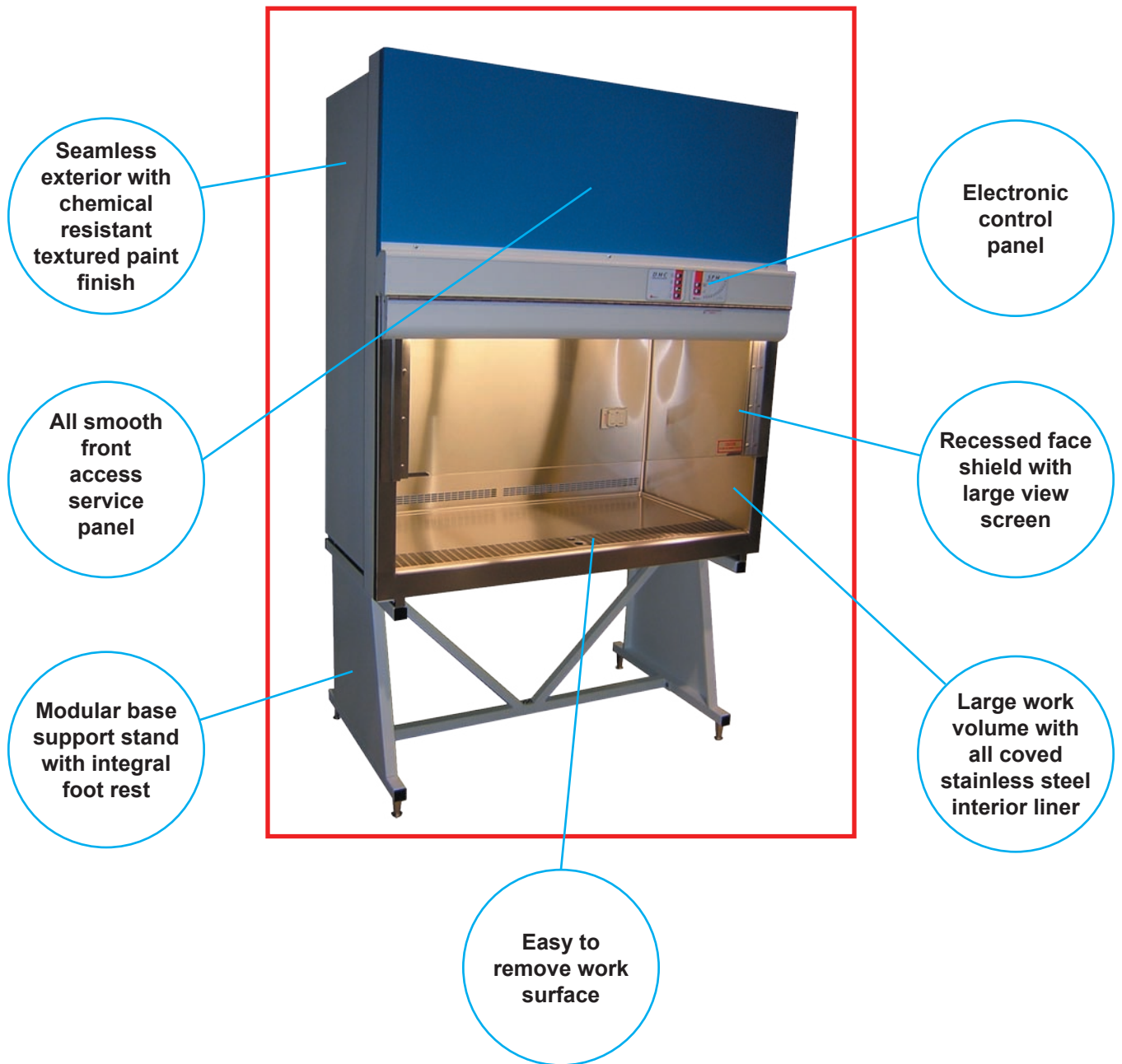
BIO  KLONE 2



**THE ULTIMATE CHOICE IN
BIOLOGICAL SAFETY CABINETS**

WHEN MICROBIOLOGICAL CONTAINMENT IS ESSENTIAL . . .

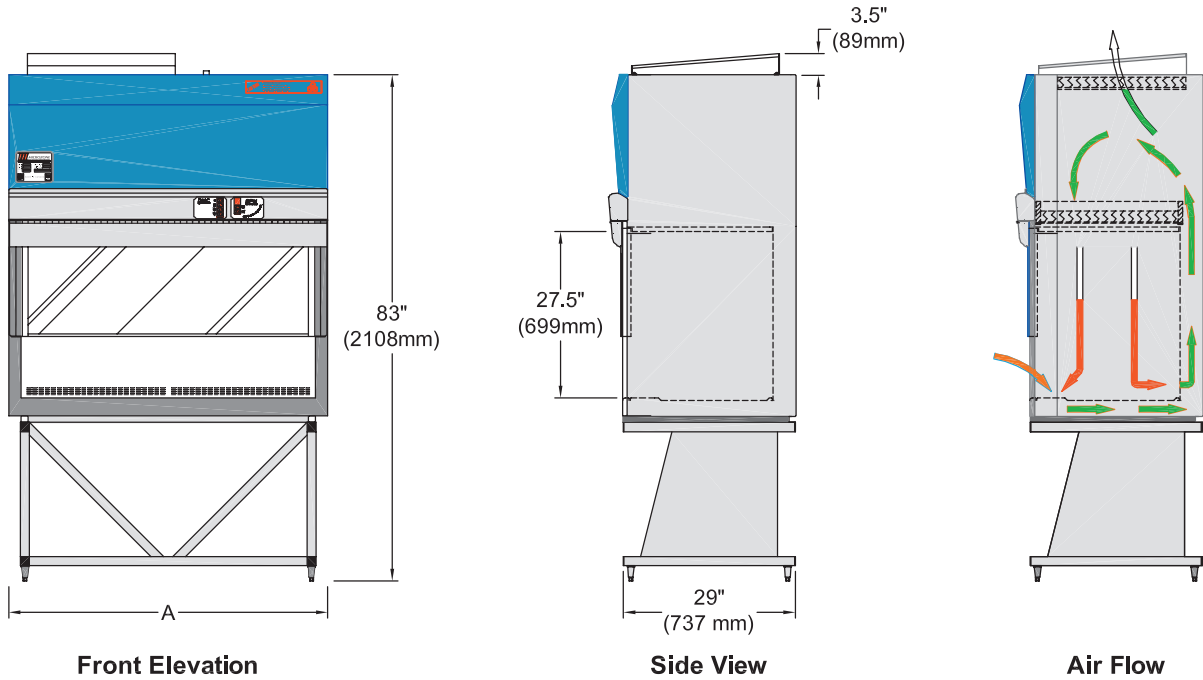
BIO KLONE SERIES II



Our advanced Bio-Klone Series II, Biological Safety Cabinets have been designed to provide excellent user and product protection. All controls for operation are set into an integral control/light module which is at an accessible level. Coupled with an increased work volume and large view screen, this cabinet provides a wide range of user flexibility. The cabinet is available in recirculating or exhausted models.

Our years of continued product development have produced a safety cabinet with outstanding performance and enhanced features.

BIO-KLONE TYPICAL SPECIFICATIONS



Model	Type	Hand Opening	Dim. A	Work Volume	Work Tray	Weights	
						Actual	Shipping
BK-2-4	A2 *	10" (254mm)	52.5" (1334mm)	27.5" x 48.25" (699mm x 1226mm)	18" x 46.5" (457mm x 1181mm)	550 Lbs (249 Kg)	550 Lbs (249 Kg)
BK-2-4-BT	A2 *	10" (254mm)	52.5" (1334mm)	27.5" x 48.25" (699mm x 1226mm)	18" x 46.5" (457mm x 1181mm)	500 Lbs (227 Kg)	545 Lbs (247 Kg)
BK-2-6	A2 *	10" (254mm)	76.5" (1943mm)	27.5" x 72.25" (699mm x 1835mm)	18" x 70.5" (457mm x 1791mm)	785Lbs (356 Kg)	850 Lbs (386 Kg)
BK-2-6-BT	A2 *	10" (254mm)	76.5" (1943mm)	27.5" x 72.25" (699mm x 1835mm)	18" x 70.5" (457mm x 1791mm)	732 Lbs (332 Kg)	797 Lbs (362 Kg)

Legend

- Laboratory Air
- Contaminated Work Chamber Air
- Clean HEPA Filtered Air
- Potentially Contaminated Work Chamber Air Mixed With Laboratory Air

* Formerly NSF Classified Type A/B3

Optional Accessories	
Part No.	Description
B046064 A	Air Petcock
B046064 G	Gas Petcock (LHS) +
B046064 V	Vacuum Petcock
B046063	Duplex Electrical Outlet (RW-RHS) +
B046057	Ultraviolet Light **
B046109	I/V Bar
AFI-X2	Low Exhaust Airflow Indicator/Alarm Audio/Visual. (Standard on Exhausted Models)
BK2-ABF-A BK2-ABF-M	Hydraulic Adjustable Base Stand (...-A Automatic) (...-M Manual)

* Consult the NSF International Standard 49 regarding the use of ultraviolet lights.
+ Standard equipment on all hoods.

Exhausting The Hood

Standard Thimble Connection Model ETC-4/6	Optional Hard Connection Model ET-4/6
<p>Provides a constant exhaust volume from the laboratory when the hood is both ON and OFF.</p>	<p>Includes an access panel, anemometer ports, air tight damper and an air flow alarm package (Model No.AFI-X2). Normally the hood should be electrically interlocked with building exhaust fan.</p>

The building exhaust fan should be capable of handling the exhaust capacity listed below plus, in the case of the model ETC-4/6 Thimble, the required by-pass air flow with a static pressure of 0.1" W.G. at the transition collar.

4ft unit.....338-371 CFM
6ft unit.....502-552 CFM

GENERAL DESCRIPTION

Equipment: Bio-Klone Series II
Biological Safety Cabinets (Class II, Type A2)

Model:

<input type="checkbox"/>	(Console) BK-2-4 Nominal 4ft. Width	<input type="checkbox"/>	Recirculating	<input type="checkbox"/>	Exhausted
<input type="checkbox"/>	(Console) BK-2-6 Nominal 6ft. Width	<input type="checkbox"/>	Recirculating	<input type="checkbox"/>	Exhausted
<input type="checkbox"/>	(Bench Top) BK-2-4 Nominal 4ft. Width	<input type="checkbox"/>	Recirculating	<input type="checkbox"/>	Exhausted
<input type="checkbox"/>	(Bench Top) BK-2-6 Nominal 6ft. Width	<input type="checkbox"/>	Recirculating	<input type="checkbox"/>	Exhausted

Description: The Biological Safety Cabinet shall be a Microzone Corporation Bio-Klone Series II NSF 49 International approved model. The exterior shall be finished in special chemical resistant textured paint except for the all-stainless steel base plenum section which houses a drain valve. The interior work volume shall be manufactured from type 304 stainless steel and all corners shall be covered with a 1/2" radius, continuously welded and polished. The work tray shall be designed to accommodate minor spills. The work tray and the front air foil shall be one piece construction and must be easily removable. A hinged faceshield shall be set into a recessed stainless steel frame and it shall be removable with quick-release pivots. Automatic dampers shall assist during opening/closing operations. All HEPA filters shall be rated 99.99% efficient at 0.3 microns and be serviced via the front access panel. The cabinet shall be designed such that it is not necessary to move the unit for any servicing/certification operation. The control panel shall be located at an accessible level and be serviced without decontaminating the cabinet. The control panel shall incorporate a digital "DMC" soft start circuit motor control panel with on/off feature for blower/white and ultraviolet light switch and interior duplex outlet. Integral circuitry provides constant monitoring of voltage to the motor, current motor draw, line voltage frequency and on-board diagnostics. In the event of a system fault, the system features flash codes on LED display indicating area of failure. The electronic "SPM" constant pressure gauge shall monitor system pressure. This system reports the static condition of the integral filter systems both visual and audible with an alarm feature in the event of drop in static, motor failure or increased pressure. The cabinet must operate in a negative pressure mode, that is, the entire exterior shell of the cabinet shall never be subjected to a positive pressure by a contaminated aerosol. The base section shall be supplied in a modular configuration for ease of on-site accessibility and assembly. Electrical termination is a 10Ft. long grounded cord/plug with a total electrical consumption of 115V, 12A, 60Hz. The cabinet shall be color co-ordinated blue/white and must be CSA approved. Standard accessories include: one gas petcock located on left hand side (Part No. B0460646), one duplex electrical outlet located on the right hand side of the rear wall (Part No. B046063), and one ultraviolet light (Part No. B046057). Exhausted models include a thimble connection (Part No. ETC-4/6), venting option complete with a low exhaust airflow indicator/alarm system with audio/visual features (Part No. AFI-X2).





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