

Bugbox

ANAEROBIC & MICROAEROPHILIC
WORKSTATIONS
GLOBAL (220;110V)

Bugbox anaerobic workstations are designed specifically to help microbiologists cope with rising workloads and provide the best primary isolation rates.

A NEW LEVEL
OF VERSATILITY,
EFFICIENCY AND
POWER IN A
COMPACT SPACE

Bugbox is easy to use. Its compact size meets the needs of even the smallest laboratory spaces. Adjustable temperature and humidity provides a precisely controlled anaerobic environment that is optimal for cell growth, with no dry spots.

SEE THINGS
DIFFERENTLY

Experience Baker Ruskin
Anaerobic Workstations

Compared with approximately 20 anaerobic jars per week, Bugbox is economical with a lower cost per plate, more reliable, providing a stable atmosphere, and minimal maintenance.

DESIGNED TO PROTECT YOUR RESULTS

- The acrylic airtight chamber is flooded with anaerobic gas mix (H_2 in N_2) and O_2 is displaced.
- If any O_2 remains or is allowed to enter, it is "scavenged" by a palladium catalyst situated under the floor tray - the O_2 reacts with the H_2 to form water.
- Interlock uses an N_2 purge, so when a user brings in plates through the interlock, no O_2 enters the main chamber - inner and outer interlock doors cannot be opened simultaneously.
- Gloveless Ezee Sleeves™ are purged using N_2 gas via foot pedals, so no O_2 enters the main chamber when the glove ports are opened.

ECONOMIC AND RELIABLE FOR LONG TERM SAVINGS

- Standard dual gas operation, low gas consumption and running costs.
- Lower cost per plate compared to anaerobic jars.
- Minimal maintenance and downtime.

ULTIMATE CONTROL FOR OPTIMUM CELL ENVIRONMENT

- Accurate temperature control from ambient + 5°C to 45°C.
- Accurate and automated humidity control, no dry spots.
- Palladium catalyst maintains anaerobic environment, plus anaerobic color-indicator strips verify anoxic conditions.
- Ezee Sleeve™ Direct Hand entry system allows access without disrupting the atmosphere within the chamber.

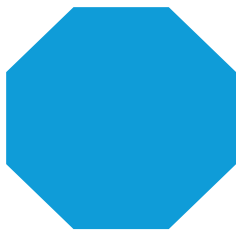
CONVENIENT & COMFORTABLE USER EXPERIENCE

- 1 QUICK AND EASY DIRECT ACCESS
- 2 SHORTEST INTERLOCK CYCLE TIME IN THE INDUSTRY
- 3 SINGLE PLATE ENTRY SYSTEM (SPES)

- 4 ENERGY-SAVING LIGHTING
- 5 HIGH-INTENSITY INSPECTION SPOT LAMP

MICROAEROPHILIC
OPTIONS AVAILABLE





OUR ANAEROBIC WORKSTATIONS ARE DESIGNED SPECIFICALLY TO HELP MICROBIOLOGISTS COPE WITH RISING WORKLOADS AND PROVIDE THE BEST PRIMARY ISOLATION RATES.



BUGBOX SPECIFICATION SUMMARY

MODEL		BUGBOX/ BUGBOX M	BUGBOX PLUS
External Dimensions	Width	800 mm	830 mm
	Depth	660 mm	660 mm
	Height	650 mm	650 mm
Internal Dimensions	Width	500 mm	500 mm
	Depth	460 mm	460 mm
	Height	420 mm	420 mm
Maximum Capacity	90 mm Plates	270	234
Working Capacity	90 mm Plates	200	180
Interlock Dimensions	Width	100mm	150 mm
	Depth	100mm	230 mm
	Height	200mm	190 mm
Interlock Capacity	90 mm Plates	10	18
Interlock Time Cycle		15 sec	35 sec
Interlock Door Operation		Manual	Manual
Weight*		99 lbs / 143 lbs	121 lbs
Petri Dish Holders (Standard)		3	3

*Bugbox M (143lbs) includes ICONIC™, the gas mixing system from Baker Ruskinn that gives Bugbox M unparalleled oxygen control while using up to 40% less nitrogen.

STANDARD FEATURES

- Detox advanced carbon filtration system
- Ezee Sleeve™ direct hand entry system
- Energy saving fluorescent illumination
- Inspection spot lamp
- Low gas alarm
- Automatic humidity control
- Palladium catalyst
- Anaerobic indicator strips
- Petri dish holders

OPTIONS & ACCESSORIES

- Vacuum line port
- Gas sample port
- Cable gland port
- Internal electrical outlet
- Gas tank regulators and filter modules
- Workstation stand
- External docking facility for anaerobic jars
- Power failure back-up system
- Data logging connection
- Single Plate Entry System (SPES)
- For facultative and microaerophiles Bugbox-M allows user defined control of O₂ and CO₂ (featuring ICONIC™ from Baker Ruskinn)

ICONIC™ allows:

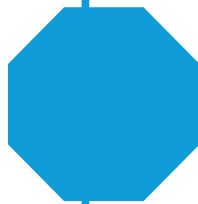
- O₂ from 0.0% to 23.0% in 0.1% increments
- CO₂ control from 0.1% to 30.0% in 0.1% increments
- O₂ sensor calibration with one touch
- Microaerophilic cycling, facilitating up to 4 different O₂ and CO₂ concentrations through a user-defined sequence of time



Concept

Anaerobic & Microaerophilic Workstations

If you are looking for more robust processing power and capacity, the Baker Ruskinn Concept range of workstations are the perfect addition to any lab.



VERSION NO.001

Get in touch today to hear how we can work with you.

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Designed in the U.K.

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