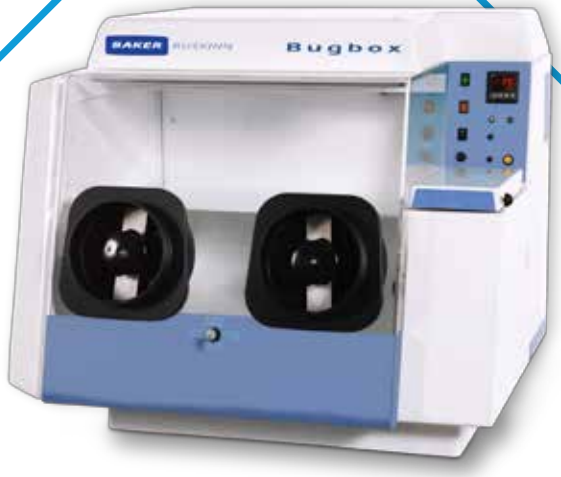
BAKER RUSKINN

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



Bugbox

ANAEROBIC & MICROAEROPHILIC WORKSTATIONS
U.S. BROCHURE (115V)

SEE THINGS DIFFERENTLY

Experience Baker Ruskinn
Anaerobic Workstations

Bugbox anaerobic workstations are designed to help microbiologists cope with rising workloads and provide the best primary isolation rates. Plates can be examined easily without exposing them to oxygen. The interlock system allows simple and fast transfer of 90mm plates into the anaerobic chamber.

With quick and easy access via the Ezee Sleeve™ Glove port system and energy-saving lighting that provides perfect illumination, 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.

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.

VERSATILE AND FLEXIBLE TO FIT YOUR WORKLOAD

Multiple models and a variety of options are available to fit your specific needs.

BUGBOX - YOUR PERSONAL WORKSTATION

– Up to 270 90mm plate capacity
– Interlock transfer - 10 plates in 15 seconds

BUGBOX PLUS - COMPACT WORKSTATION WITH LARGER INTERLOCK

– Up to 234 90mm plate capacity
– Interlock transfer - 18 plates in 35 seconds

BUGBOX M

– For faculative and microaerophiles
– User defined cintrol of O_2 featuring ICONIC™ from Baker Ruskin

For 20 years Baker Ruskinn anaerobic workstations have been the trusted choice for laboratories around the world. More than 1000 anaerobic workstations are installed in more than 40 countries - and more than 200 research publications feature the Baker Ruskinn anaerobic technology.

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

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

Gloveless, cuffed sleeve system (Ezee Sleeve™) takes less than 40 seconds for direct hand access into the chamber.

2 SHORTEST INTERLOCK CYCLE TIME IN THE INDUSTRY

As little as 15 seconds for the 10 plate capacity interlock.

3 SINGLE PLATE ENTRY SYSTEM (SPES)

This optional accessory is a mailbox like slot, which allows quick side entry or exit of individual plates, bypassing the interlock cycling process.

4 ENERGY-SAVING LIGHTING

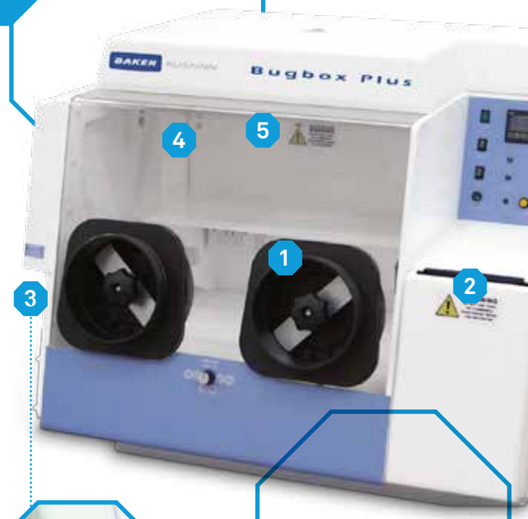
Read plates easily under perfect illumination without O_2 exposure.

5 HIGH-INTENSITY INSPECTION SPOT LAMP

For close sample analysis is foot-operated for ease of use.

MICROAEROPHILIC OPTIONS AVAILABLE

Bugbox M includes the ICONIC™ gas mixing system to create the perfect environment for growing facultative and microaerophilic bacteria.



BUGBOX SPECIFICATION SUMMARY

MODEL		BUGBOX/ BUGBOX M	BUGBOX PLUS
External Dimensions	Width	31.5”	33”
	Depth	26”	26”
	Height	25.5”	25.5”
Internal Dimensions	Width	19.5”	19.5”
	Depth	18”	18”
	Height	16.5”	16.5”
Maximum Capacity	90 mm Plates	270	234
Working Capacity	90 mm Plates	200	180
Interlock Dimensions	Width	4”	6”
	Depth	4”	9”
	Height	8”	7.5”
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 unparalled 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 faculative and microaerophiles Bugbox-M allows user defined control of O_2 and CO_2

ICONIC™ allows:

- O_2 from 0.0% to 23.0% in 0.1% increments
- CO_2 control from 0.1% to 30.0% in 0.1% increments
- O_2 sensor calibration with one touch
- Microaerophilic cycling, facilitating up to 4 different O_2 and CO_2 concentrations through a user-defined sequence of time

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

For U.S. inquiries:
bakerco@bakerco.com
+1 (800) 992-2537

www.bakerco.com

Connect and Collaborate with Baker

Designed in the U.K., manufactured in China

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.

Scan the QR code above to read more