

DEDICATED TO DELIVER



BAKER RUSKINN

Concept

ANAEROBIC & MICROAEROBIC
WORKSTATIONS

CULTURE AS
NATURE INTENDED

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

1



Concept 400

- 500 x 90mm plate capacity
- Compact 26L interlock holds 42 x 90mm plates
- 210.3L working anaerobic volume

2



Concept 400 M

- Can run in anaerobic or microaerophilic mode
- Interlock has O₂ control from 0-10%
- 500 x 90mm plate capacity
- Compact 26L interlock holds 42 x 90mm plates
- 210.3 L working anaerobic or microaerophilic volume

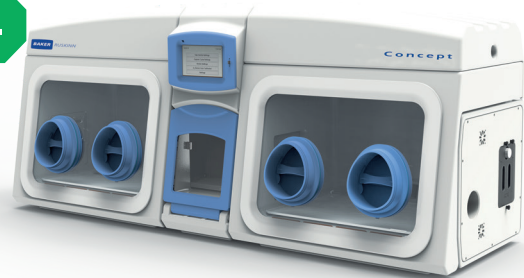
3



Concept 500

- 500 x 90mm plate capacity
- Large 41L interlock holds 70 x 90mm plates
- 210.3L working anaerobic volume

4



Concept 1000 Dual Chamber

- Two independently controllable chambers, each 210.3L
- 1000 x 90mm plate capacity
- Large 49L central interlock with right and left hand openings holds 98 x 90mm plates

STANDARD FEATURES & ACCESSORIES

CONCEPT 400/500/1000

- Touchscreen Features
 - Real time O₂ concentration display (with user defined threshold screen colour indicator)
 - Rolling 3 hour display of temperature, O₂ and humidity levels
 - Humidity control (using Aquasorb humidity beads) controlled by touching the screen.
 - Temperature control (5 °C above ambient to 45.0°C in 0.1° C increments)
 - Alarm settings
 - Light control (on/off, dimming function)
- Single Plate Entry System (SPES™) (Optional on Concept 400 M)
- Internal HEPA to Class 4/Grade A
- Full width internal shelf
- Ezeeyin/Ezee Sleeve™ ports for direct hand access
- 24 month warranty (only valid if year 1 service pack implemented)
- Detox sachet (large)
- Internal power sockets x 3
- No bake palladium catalyst

OPTIONAL FEATURES & ACCESSORIES

CONCEPT 400/500/1000

- Data log (one data set per minute, each set comprises: time, date, temperature, O₂ (set/actual), CO₂ (set/actual) humidity. (Standard on Concept 400 M)
- Removable front ("Pop on/pop off", with one touch of a button) (Standard on Concept 400 M)
- Remote Monitoring/Remote Control hardware module
- <5ppm O₂ Catalyst kit
- USB port (Power only)
- Internal Monitor for Digital Microscope
- Vacuum Port connector
- Gas sample port
- Cable gland
- Multi-cable gland (up to 6 individual cables)
- Stand (choice of Static, Manual adjustable, Electric adjustable)
- Ezee Cuff™ (Gloveless & Sleeveless Hand Entry)
- External HEPA containment package with rubber gloves
- Cooling accessory (min. 15°C)
- Waste Port
- Light Protective Cover for workstation
- (41L interlock retrofit kit for Concept 400/400 M)
- RH meter
- O₂ meter (Greisinger 3692)
- Culture Rack (wide or narrow)
- Culture Rack (with light protection)
- Steam Humidity System
- Billups Modular Incubator chamber
- Aquasorb Humidity bead packs

*Final product may differ from visuals

ADDITIONAL STANDARD FEATURES & ACCESSORIES CONCEPT 400 M

- O₂ control (from 0.0% to 23.0% in 0.1% increments).
- CO₂ control (from 0.1% to 30.0% in 0.1% increments).
- Data log (one data set per minute, each set comprises: time, date, temperature, O₂ (set/actual), CO₂ (set/actual) humidity).
- Removable front ("Pop on/pop off", with one touch of a button)
- Intelligent interlock (automatically sets O₂ level to the same level as in the main chamber)

ADDITIONAL OPTIONAL FEATURES & ACCESSORIES CONCEPT 400 M

- Single Plate Entry System (SPES™)
- Hyperoxia module (0% - 100% O₂)

		Concept 400		Concept 400 M		Concept 500		Concept 1000 dual	
		mm	inches	mm	inches	mm	inches	mm	inches
Workstation external dimensions	Width	1252	49.3	1252	49.3	1392	54.8	2404	94.6
	Height	1025	40.4	1025	40.4	1025	40.4	1025	40.4
	Depth	797	31.4	797	31.4	797	31.4	797	31.4
Workstation external dimensions (on stand)	Width	1296	51.0	1296	51.0	1402	55.2	2414	95.0
	Height (lowest/highest stand setting)	1682/ 1982	66.1/ 76.4	1682/ 1982	66.1/ 76.4	1682/ 1982	66.1/ 76.4	1682/ 1982	66.1/ 76.4
	Depth	797	31.4	797	31.4	797	31.4	797	31.4
Workstation internal dimensions	Width	761	30.0	761	30.0	761	30.0	761 (per chamber)	30.0 (per chamber)
	Height	535	21.1	535	21.1	535	21.1	535 (per chamber)	21.1 (per chamber)
	Depth	580	22.8	580	22.8	580	22.8	580 (per chamber)	22.8 (per chamber)
Workstation capacity 90mm plates	Number of plates	504		504		504		1008	
Workstation weight	kgs/lbs	100/220		100/220		120/264		210/462	

Interlock dimensions	Width	176	6.9	176	6.9	316	12.4	316	12.4
	Height	299	11.8	299	11.8	299	11.8	299	11.8
	Depth	366	14.4	366	14.4	366	14.4	366	14.4
Interlock capacity volume	Accessible litres	26		26		41		49	
Interlock capacity 90mm plates	Number of plates	42		42		70		98	
Interlock purge times. (for Concept 400M user can choose O ₂ value between 0% and 10%)	to 5% O ₂ (seconds)	-		19		-		-	
	to 1% O ₂ (seconds)	-		45		-		-	
	to 0% O ₂ (seconds)	60		60		90		90	

HIGH PERFORMANCE AND RELIABILITY TO DELIVER EVERYDAY

There are four models in the Concept range, each one carefully refined to suit your specific needs, with advanced ergonomic design providing excellent hand access and rapid plate loading. Ideal for varying capacity workloads and providing the best primary isolation rates for your anaerobic and microaerophilic cultures.



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

For U.K. / global inquiries:
sales@ruskinn.com
+44 (0) 1656 645988

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