

Concept

Proud to achieve consistent
results *together*



 Baker



High performance and reliability, to deliver everyday

CONCEPT

Anaerobic & Microaerophilic Workstations

Since 1993 Baker have been working with Microbiologists all around the world, to fully support their needs, delivering high performing anaerobic and microaerophilic solutions. We at Baker understand the growing demands being made on today's Microbiologists and their laboratories. We know how important it is to have high performing equipment that you and your hardworking teams can rely on. That's why we are dedicated to deliver products that serve the people who process thousands of important samples everyday.

The Concept range has been rigorously tested to maximize productivity of systemized anaerobic or microaerophilic incubation; bringing together a host of features that you can trust, bringing immediate benefits to your busy laboratory.

An elegant and intuitive design makes set-up and cleaning so easy; the modular-design provides users with true flexibility to expand and upgrade work spaces. It is by getting the small things right that sets this range apart. We know just how crucial it is for your equipment to support your teams to deliver effectively and efficiently everyday.



Easy to use and maintain

EFFICIENCY & RELIABILITY

With a constant, stable, and controlled anaerobic atmospheric conditions, the chamber is designed for both working and incubation of samples. Fast transfer of samples and materials via the rapid purge interlock and single plate entry system (SPES™) makes loading samples quick and efficient. Go further with our remote monitoring and control system, allowing complete control wherever you are.

ACCURACY & CONTROL

Check your environmental conditions at a glance, with clear digital on-screen color-coded display, set to your specific parameters and alarm levels. Internal HEPA filtration keeps internal environment clean and minimizes the risk of contamination.



CAPACITY & FLEXIBILITY

Process more plates with our high-capacity workstations (up to 500 plates) all under controlled conditions and work chamber that is fully temperature controlled. A modular design gives flexibility to expand and upgrade your workstation and for dual chamber controlled environments. The microaerophilic chamber allows you to work either in anaerobic or to precisely controlled oxygen and CO₂ conditions.

EASE OF USE

Access your workstation quickly with our Ezee Sleeve™ direct-hand access port system. Ergonomic design of glove port doors makes for simple hanging to keep them out of the way. Removeable front screen allows for easy cleaning and loading of equipment inside the working chamber.

INNOVATIVE FEATURES

- Real-time measurement and display of oxygen, temperature, and humidity levels
- Optional removeable Pop-Off™ front cover for easy set-up and cleaning
- Internal HEPA (high efficiency particulate air) filter to minimize contamination
- Single plate entry system (SPES™) for instant insertion or removal of plates
- Direct-hand access using Ezee Sleeve™ port systems and optional Ezee Cuff for direct gloveless and sleeveless access
- Fast interlock purge cycle time
- See-through interlock door
- 48 month warranty**
- Entire working chamber space is incubated
- Improved basic humidity control to prevent plate dry out
- Optional remote monitoring allows complete control no matter where you are*
- Digital O₂ sensor with long life-only requires changing every 4 years

*Only available on Concept M

**Only valid if annual service schedule implemented



Refined to suit your specific needs

There are three 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.



Concept 400

- Perfect for mid-range anaerobic workloads
- 210.3L working anaerobic volume

External Dimensions

Width	1,252mm	49.3'
Height	1,025mm	40.4'
Depth	797mm	31.4'

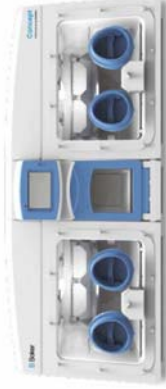


Concept 500

- Perfect for mid-range workloads, with larger interlock
- 210.3L working anaerobic volume

External Dimensions

Width	1,392mm	54.8'
Height	1,025mm	40.4'
Depth	797mm	31.4'



Concept 1000

- For large workloads and larger batch sizes, or when two different atmospheres are needed
(Please ask about our dual chamber microaerophilic options)
- Two independently controlled atmospheres, anaerobic and/or microaerophilic, each 210.3L

External Dimensions

Width	2,404mm	94.6'
Height	1,025mm	40.4'
Depth	797mm	31.4'



Concept M

- Perfect for mid-range anaerobic or microaerophilic workloads
- 210.3L working anaerobic volume

External Dimensions

Width	1,252mm	49.3'
Height	1,025mm	40.4'
Depth	797mm	31.4'





STANDARD FEATURES

Concept 400/M/500/1000

- Touchscreen control Features
- Real time O₂ measurement and display
- Temperature control (7°C above ambient to 45.0°C in 0.1°C increments)
- Humidity control (using Aquasorb humidity beads)
- On screen historical data for environmental parameters (O₂%, T°C, RH%)
- Light control (on/off, dimming function)
- User defined alarm settings
- Manually Removable front
- 210.3L usable chamber volume (C-400/500), 472L (C1000)
- Internal HEPA filtration to Class 4 (ISO 14644-1); Grade A (2004/23/EU); Class 10 (FED STD 209E)
- Ezeeyin glove ports for direct hand access
- Ezee Sleeves (choice of cuff size S,M,L,XL)
- Sleeve vacuum via foot pedal
- Maintenance free palladium catalyst
- Dual gas operation (N₂ and anaerobic gas mix. Additionally, CO₂ and Compressed Air used for Concept M)
- Detox sachet
- Single Plate Entry System (SPES) (optional on Concept M)
- Internal power sockets x 3
- Petri dish holders x 3
- Cleaning kit
- 12-month warranty (48 month extended warranty valid if annual service schedule implemented)

OPTIONAL FEATURES

Concept 400/500/1000

- Multi-cable gland (up to 6 individual cables)
- Single cable gland
- Data logging for environmental parameters (O₂%, CO₂%, T°C, RH%, one data log per minute) ON USB key
- Ezee Cuff™ (Gloveless and Sleeveless Hand Entry)
- Stand (static/manual adjustable/electric adjustable)
- External HEPA containment package with rubber Hypalon gloves
- IQ/OQ Protocol
- < 5 ppm O₂ catalyst kit
- Automatic removable front screen (Pop off, with one touch of a button)
- Vacuum port connector
- Gas sample port
- Waste port
- USB port (power only)
- Cooling accessory (min 15°C)
- Internal monitor for digital microscope
- Culture rack (wide or narrow)
- O₂ ppm level meter
- Unintegrated chamber H₂ meter
- Unintegrated chamber O₂ meter
- Unintegrated chamber RH meter
- Large interlock retrofit kit (41L size)
- Light protective cover

ADDITIONAL STANDARD FEATURES

Concept 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)
- Remote Monitoring/Remote Control hardware Module

ADDITIONAL OPTIONAL FEATURES

Concept M

- Single Plate Entry System (SPES™)
- Ultrasonic Humidity Control



High performing 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.

	Concept 400		Concept 400M		Concept 500		Concept 1000		
	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
	Width	1296	51.0	1296	51.0	1402	55.2	2414	95.0
Workstation external dimensions (on stand)	Height	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	30.0
	Height	535	21.1	535	21.1	535	21.1	535	21.1
	Depth	580	22.8	580	22.8	580	22.8	580	22.8
Workstation capacity 90mm plates	Number or 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. User can choose O ₂ % value between 0% & 10% (400M only)			19		-		-	
				45					
		60		60		90		90	



Scan the QR code to see more about the Concept range



 Baker



bakerco.com

