



BACTRON Anaerobic Chambers



About the BACTRON Line

BACTRON chambers are total anaerobic process workstations. Samples can be prepared, cultured, and inspected in the oxygen-free chamber and standard incubator. Unlike anaerobic jars and bags, which unavoidably expose samples to oxygen, BACTRON units provide complete anaerobic environments for all your applications.

BACTRON Quality

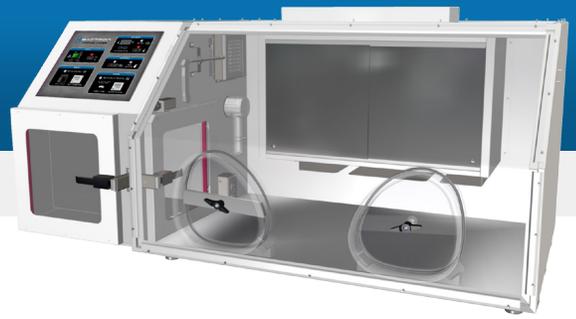
BACTRON workstations are designed and built to provide years of performance. The chamber is continuously welded stainless steel, and the front panel is rigid, heavy acrylic for unobstructed vision and chamber integrity.

The gloveless sleeve design forms a comfortable seal around the operators' arms, permitting bare handed manipulation of plates and specimens inside the chamber. Since specimens can be kept in the dedicated incubator, the chamber remains at ambient temperature, making the work area much more comfortable and efficient.

What's New

With new performance upgrades, BACTRONS have unmatched performance and efficiency. All BACTRONS now have:

- **Low Gas Supply Alarm**
 - New audible and visual notification that the AMG supply is low.
 - Operators can change the cylinder while the chamber atmosphere stays anaerobic.
- **Integrated Vacuum Pump**
 - Quieter operation.
 - Eliminates vacuum pump connections during installation.
- **60% Faster Airlock Cycle**
 - The biggest Airlock on the market is now the fastest, getting samples into the chamber **2X** faster than before.
- **Auto-Sleeve Cycle with Integrated HEPA Filter**
 - No more guesswork or operator variation; automated ultra-efficient sleeve cycles with one press of the foot switch.
- **Integrated Internal Regulators**
 - Protect all the internal components from incorrect cylinder settings.
 - Ensure consistent and reproducible gas delivery to all chamber processes.
- **Inner Door Lock**
 - "Smart" lock prevents airlock opening during aerobic conditions.
 - Prevents operator error and introduction of oxygen to critical samples.
- **40% Faster Sleeve Cycle**
 - Reduce operator waiting time.
- **Faster Installation**
 - BACTRON installation in as little as 30 minutes.
 - "Plug and Play" installation with integrated connections.
- **User Adjustable Airlock Cycling**
 - Customize your airlock cycle to fit your time and budget.
 - Do you need precision or are you just in a hurry? Pick from 3, 4 or 5 auto cycle iterations.
- **Auto-Commissioning Cycle**
 - The single button auto-commissioning cycle automatically creates an anaerobic atmosphere; press the button and walk away while the chamber becomes anaerobic.
- **Easy-to-Access, Replaceable HEPA Filters**
 - Protect your internal atmosphere with HEPA filters on incoming gas supplies.



What Makes BACTRON Better

For over 25 years, BACTRONS have proven to be the right choice for your anaerobic applications. Here's why:

- BACTRONS improve productivity by at least 50%, providing greater protection and security for your samples.
- A dedicated BACTRON eliminates the continuing consumables expense of anaerobic jars and bags.
- Ergonomic arm ports in every BACTRON provide a comfortable work space and reduce operator fatigue.
- Separate incubators are standard in all BACTRON systems, creating optimal incubation conditions while keeping the work area in the chamber cool and comfortable.
- The airlocks in the BACTRON 300, 600, and 900 models hold up to 216 petri dishes; one airlock cycle will fit an entire days' supplies.
- All BACTRONS meet globally recognized safety and quality standards including CE/TUV, EN61010, UL61010, and CAN/CSA61010.

BACTRON Applications:

- *Clinical Microbiology* • *Microbiome Studies* • *Susceptibility Assays* • *Fermentation and Spoilage Studies* • *Food Microbiology*
- *Bio-Energy Research* • *Environmental Microbiology* • *Anaerobic Bacteriology*

| BACTRON Model Part ID [Part ID - 220V] | BACTRONEZ BAAEZ22 BAAEZ22-E | BACTRON300 BAA30022 BAA30022-E | BACTRON600 BAA60022 BAA60022-E | BACTRON900 BAA90022 BAA90022-E |
|--|--|--|--|--|
| Exterior Dimensions (w x d x h) | 49.0 x 32.0 x 27.2 in 1245 x 813 x 691 mm | 62.3 x 32.0 x 27.2 in 1583 x 813 x 691 mm | 88.5 x 32.5 x 32.8 in 2248 x 826 x 833 mm | 88.5 x 32.5 x 32.8 in 2248 x 826 x 833 mm |
| Workspace Chamber Dimensions (w x d x h) | 33.0 x 28.9 x 25.0 in 838 x 734 x 635 mm | 42.5 x 28.9 x 25.0 in 1059 x 734 x 635 mm | 42.5 x 28.9 x 25.0 in 1059 x 734 x 635 mm | 42.5 x 28.9 x 25.0 in 1059 x 734 x 635 mm |
| Workspace Chamber Volume | 12.5 cu. ft / 354 L | 16.0 cu. ft / 453 L | 16.0 cu. ft / 453 L | 16.0 cu. ft / 453 L |
| Airlock (w x d x diagonal) | 9.0 x 10.7 x 9.0 in 229 x 272 x 229 mm | 16.0 x 10.0 x 11.5 in 406 x 254 x 292 mm | 16.0 x 10.0 x 11.5 in 406 x 254 x 292 mm | 16.0 x 10.0 x 11.5 in 406 x 254 x 292 mm |
| Airlock Volume | 0.74 cu. ft / 20.9 L | 1.29 cu. ft / 36.5 L | 1.29 cu. ft / 36.5 L | 1.29 cu. ft / 36.5 L |
| Incubator Dimensions (w x d x h) | 27.5 x 8.5 x 13.5 in 699 x 216 x 340 mm | 27.5 x 8.5 x 13.5 in 699 x 216 x 340 mm | Side Incubator: 23.5 diameter x 18.5 in 597 diameter x 470 mm | Workspace Incubator Chamber: 27.5 x 8.5 x 13.5 in 699 x 216 x 343 mm Side Incubator: 23.5 x 18.5 in / 597 x 470 mm |
| Incubator Volume | 1.4 cu. ft / 39.6 L | 1.4 cu. ft / 39.6 L | 4.6 cu. ft / 130 L | Workspace Chamber Incubator: 1.4 cu. ft / 39.6 L Side Incubator: 4.6 cu. ft / 130 L |
| Unit Weight | 255lbs / 116kg | 304lbs / 138kg | 412lbs / 187kg | 473lbs / 215kg |
| Incubator Performance | | | | |
| Temperature Range | Ambient + 5°C to 70°C | Ambient + 5°C to 70°C | Ambient + 5°C to 70°C | Ambient + 5°C to 70°C |
| Temperature Uniformity | (+/-) 1.0°C @ 37°C | (+/-) 1.0°C @ 37°C | Side: (+/-) 1.0°C @ 37°C | Workspace: (+/-) 1.0°C @ 37°C Side: (+/-) 1.0°C @ 37°C |
| Misc. | | | | |
| Incubator Capacity | 300 Plates | 300 Plates | 600 Plates | 900 Plates |
| Airlock Capacity | 78 Plates | 216 Plates | 216 Plates | 216 Plates |



Learn More About BACTRON

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