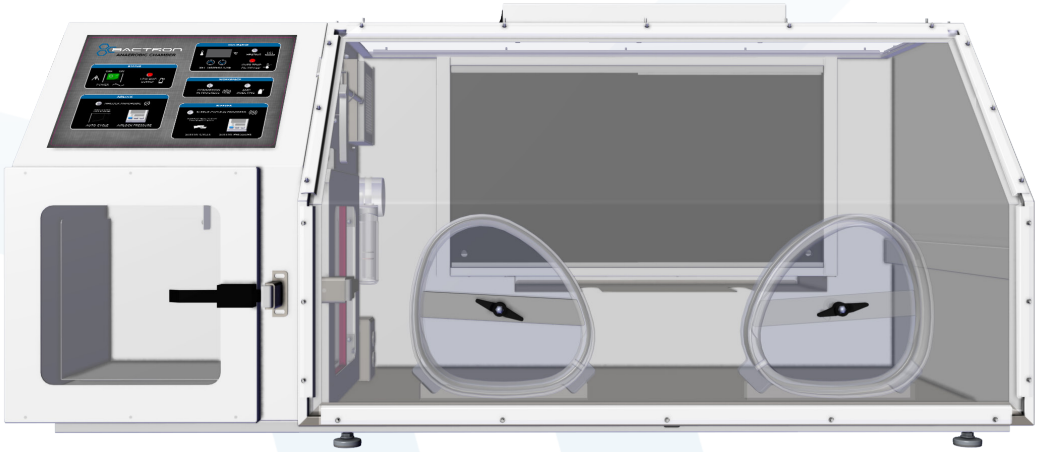
# BACTRON300



## Redesigned

An economical anaerobic environment system with air lock, 16.0 cu.ft. workspace and a 300 plate capacity incubator allow the BACTRON300 to deliver optimum productivity in a compact space. The operator has total command of the work area, yet enjoys ample bench space for an efficient performance of all procedures requiring an anaerobic atmosphere.

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, BACTRON300 provides complete anaerobic environments for all your applications.

## New and Improved

The BACTRON300 now features:

- **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 in non-anaerobic conditions.
  - Prevents operator error and introduction of oxygen to critical samples.

- **40% Faster Sleeve Cycle**
  - Reduce 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.

BACTRON

## Applications:

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

## Accessories

| Item Description | Part Number |
|---|---|
| Handheld Oxygen Sensor | 9902223 |
| Activated Carbon Media (2lbs/0.9kgs) | 1060500 |
| Petri Plate Racks (2 x 11) | 5110729 |
| Leak Detector | 4600501 |
| UV Viewing Lamp | 9490507 |
| Nitrogen Regulator Kit | 9740567 |
| Nitrile Cuffs | 3600525(S)<br>3600526(M)<br>3600527(L) |
| Activated Carbon, Volatile Compounds Scrubber Fan | 9490578 (110V)<br>9490581 (220V) |
| BACTRON300 Rolling Stand<br>(W x D x H) 61.5" x 30" x 30"/1560 x 762 x 762 mm | BACSTAND-MD22 |
| Stereo Microscope w/ Accessories | Contact a sales rep for more details. |
| **Anaerobic Chamber Start-Up Kit*** | 9490511 |
| Latex Cuffs | 3600500(S)<br>3600502(L) |
| Benzalkonium Chloride Solution Chamber Cleaner | 1060501 |
| Anaerobic Indicator Strips | 1060553 |
| Activated Charcoal Media | 1060500 |
| Airlock Gasket (12 x 12) | 3450507 |
| Acrylic Glass Cleaner | 1060503 |
| Acrylic Glass Scratch Remover | 1060504 |
| O-Ring For Sleeve Cuff | 6000504 |

*Items available for individual purchase

## Unit Specifications

| BACTRON300 | **Part ID:**<br>BAA30022 [BAA30022-E]* |
|---|---|
| **Unit Specifications** | |
| Unit Weight | 304lbs/138kg |
| Shipping Weight | 549lbs/249kg |
| Workspace Chamber Volume | 16.0 cu.ft. /453L |
| Workspace Chamber Dimensions W x D x H | 42.5" x 28.9" x 25.0"<br>1059 x 734 x 635mm |
| Exterior Dimensions W x D x H | 62.3" x 32.0" x 27.6"<br>1583 x 813 x 701mm |
| Airlock Dimensions W x D x Diagonal | 16.0" x 10.0" x 11.5"<br>406 x 254 x 292mm |
| Airlock Volume | 1.29 cu.ft. /36.5L |
| Airlock Plate Capacity | 216 |
| **Incubator Specifications** | |
| Plate Capacity | 300 |
| Workspace Incubator Volume | 1.4 cu.ft. /39.6L |
| Workspace Incubator Dimensions W x D x H | 27.5" x 8.5" x 13.5"<br>699 x 216 x 343mm |
| Temperature Range | Ambient + 5° to 70° C |
| Temperature Uniformity | +/- 1.0° C @ 37°C |
| **Power** | |
| AC Voltage | 110-120/220-240 |
| Amperage | 9/6 |
| Frequency | 50-60Hz |

*Denotes 220v unit

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Learn More About BACTRON
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