Vinyl anaerobic chambers

For anoxic and microaerophilic applications

Applications:

- Anaerobic microbiology research
- Biofuels and environmental microbiology
- Microbiome studies
- Specialized cell culture incubation

Flexible nature. Deeper and higher access.

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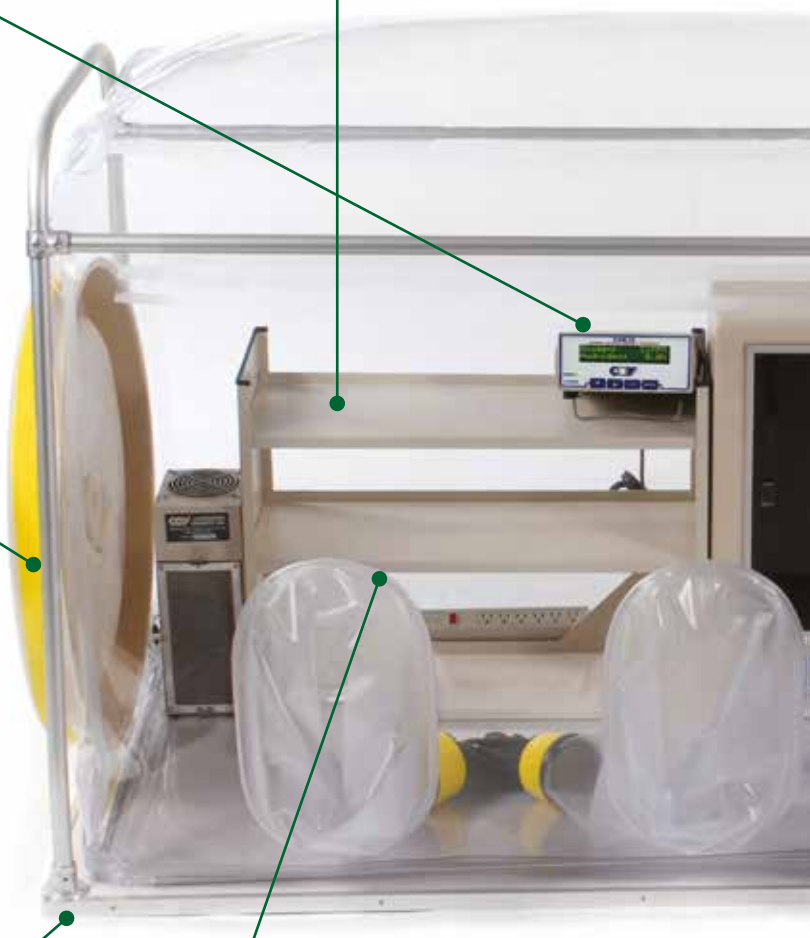
Accelerate your biomedical research

Coy anaerobic model 12 (CAM-12) for O_2/H_2

The CAM-12 monitors O2 & H2 levels in your anaerobic chamber. It is compact in size with an LCD screen and requires no routine maintenance. Audible and visual alarms signal high and low gas concentrations. It allows for the use of less expensive gas mixes for chamber operation.
CAM-12 sensors can now be replaced in the field.

Shelves

The sturdy metal shelving units are specifically designed with raised edges to help hold plastic ware and other items.



Equipment entry port

Large equipment entry port is capped and secured in place after equipment is installed.

Feed-thru adaptor

Electrical wiring, tubing or cords are input through two feed-thru adaptors.

Aluminum frame support

The tubular aluminum frame supports the vinyl chamber and is mounted on a padded plywood base that is covered with a foam pad and heavy vinyl. Hold-down rods secure vinyl to the base.

Vinyl glove box seams

Radio frequency welded seams; glove port has double-lapped seams for added strength.

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Model 2000 forced air incubator for vinyl chamber

Custom engineered to create a constant-temperature environment without heating the entire chamber. Sliding doors save space.

Catalyst fan box (heated or unheated)

Made up of a fan to circulate the air and a tray to hold the Stak-Pak with Catalyst, the fan box may be heated or unheated. The catalyst fan box circulates chamber air through the catalyst to remove O_2.

Stak-Pak with Catalyst

Vinyl

anaerobic chamber

Airlock door

This update to the airlock door has a springloaded corner pivot which allows the door to swing up while parallel to the airlock, saving valuable space.

Glove ports

Latex gloves (size large) are placed over a special cuff and then situated on the permanently attached vinyl sleeves. The sleeves are made of 15 mil flexible vinyl that allows maximum mobility and dexterity. Optional neoprene gloves available.

Automatic airlock

Automatic airlocks remove O_2 from ambient conditions to achieve acceptable levels of O_2 for anaerobic work. The O_2 is removed prior to opening the interior door and entry into the anaerobic chamber. The airlock reaches the low O_2 level through a multiple purge/vacuum procedure. Digital controls allow adjustments in vacuum levels, number of cycles, calibration of pressure sensors, and programmable profiles, depending on the type of work being done in the chamber. Manual airlocks are also available.

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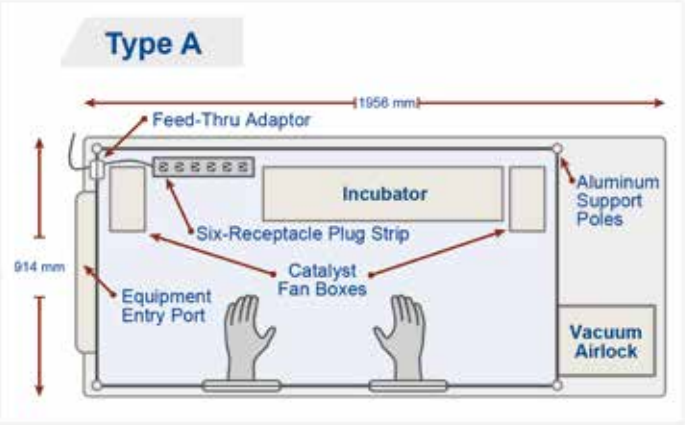
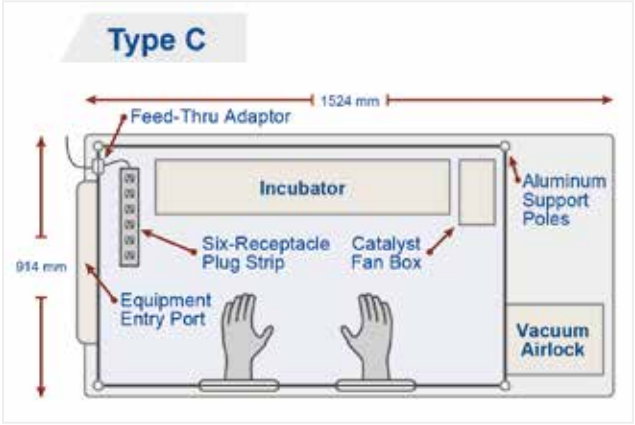
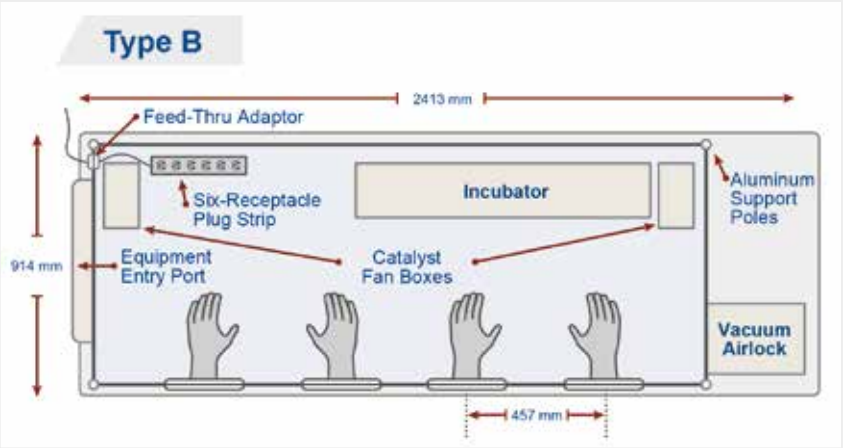
Three models available







Type A

- Includes one pair of gloves, one ABS plastic work pad, two fan boxes, four Stak-Paks with Catalyst

Type B

- Includes two pairs of gloves, two ABS plastic work pads, two fan boxes, four Stak-Paks with Catalyst

Type C

- Includes one pair of gloves, one ABS plastic work pad, one fan box, two Stak-Paks with Catalyst

Easy to custom size to fit your applications and space without large increases in cost or delivery time.

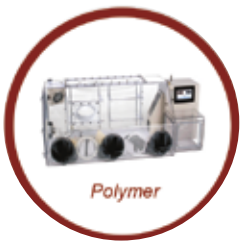
Optional accessory

Hydrogen sulfide removal column (HSRC)

- Operates horizontally or vertically
- Two replacement filter cartridge types: user refillable or pre-filled disposable

- Provides a high H_2S removal capacity
- Removes other volatile byproducts of microbial metabolism
- Functions over a wide range of environmental conditions
- Requires no maintenance for months
- Includes indicator to signal when media change is needed

Another types of rigid anaerobic chambers



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