

# NEGATIVE PRESSURE CONTAINMENT ENCLOSURES

bioBUBBLE Containment Enclosures are soft walled, negative pressure enclosures powered by 60 – 100 air changes per hour of HEPA-filtered exhaust. bioBUBBLE Containment Enclosures are completely customizable, and constructed in any size, shape, or configuration to suit the specific needs of your space and research. Available in two basic design styles: **Freestanding Containment Rooms** and **Architecturally Renovated Containment Rooms**.

bioBUBBLE Containment Rooms are constructed using:

- a modular anodized aluminum framework
- vinyl skin with Velcro-type connections
- blowers with long lasting, energy efficient, electrically commutated motors
- high efficiency HEPA filters

bioBUBBLE Containment Enclosures are economical, incomparably effective, and durable enough to easily withstand the most demanding research and manufacturing environments. Some of the very first bioBUBBLE enclosures have been in continuous operation, 24 hours a day, 7 days a week, for over 20 years.



Architecturally Renovated Containment Room



Freestanding Containment Room with Anteroom

**bioBUBBLE**  
CONTROLLED ENVIRONMENTS | CUSTOM SOLUTIONS

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## APPLICATIONS

- Primary biocontainment animal housing at ABSL 2, ABSL 3 and ABSL 4 levels (P2, P3, and P4).
- Quarantine environments to provide containment of incoming animals of unknown health status.
- Primary containment within surgical suites or procedural areas.
- Primary biocontainment for the isolation of aerosol chambers, Madison chambers, cell sorters, and other equipment.
- Containment for powder / compound mixing and preparation application.
- Biocontainment of pollens and plant matter for genetically modified agricultural products, research and horticulture.

## FEATURES & BENEFITS

- **Superior Containment:** High levels of HEPA-filtered exhaust and mass air displacement provide the best containment of airborne pathogens, contaminated dust, allergens, and other airborne contaminants. The re-circulated HEPA exhaust also provides an added barrier of cleanliness surrounding the containment environment.
- **User Friendly/Comfortable:** Clear Vinyl walls facilitate supervision by allowing complete visual access without the need to enter the containment environment. The clear vinyl walls also reduce the feelings of isolation and claustrophobia, which can occur in standard hard walled containment rooms. Communication is improved via visual access, which creates a user-friendly environment.
- **Environmental Separation/Isolation:** bioBUBBLE Containment Rooms provide for the environmental separation and isolation of groups, species or studies within the same room or shared space.
- **Cost Savings:** bioBUBBLE Containment Rooms, when used as an alternative to hard walled construction in both new and renovated facilities, reduce capital costs by 30% - 45%. This investment is also completely transportable and can be relocated or retrofitted as location or applications change.



- **Flexible Construction:** bioBUBBLE Containment Rooms are mounted on high quality, hospital grade casters, making them extremely portable and easy to move. Modular designs are also available, providing the benefit of docking multiple rooms together to increase size as needed.
- **Installation and Training:** bioBUBBLE offers complete on site installation and training performed by qualified bioBUBBLE technicians, with little to no interruption of the workflow in your facility.
- **HEPA Filtration:** 99.99% or better on 0.3 micron particles- military std MIL-STD-282/ industry std IEST-RP-CC001.5
- **Easy Cleaning:** Zippered and velcro-type access points make bioBUBBLE Containment Enclosures easy to clean and maintain. Enclosures tolerate all standard sterilants and disinfectants.
- **Energy Efficient:** bioBUBBLE Containment Enclosures are extremely energy efficient. Power Units use electronically commutated motors for energy savings.
- **Options:** Anterooms, pass through boxes, custom docking systems, frame mounted shelving and tables, removable perimeter rodent barriers, ports for ventilated caging, auto watering systems and heat resistant, opaque, or tinted vinyl.

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