

CLEAN ROOM, ISOLATION & BARRIER ENCLOSURES

bio**BUBBLE** Clean Rooms are soft-walled, positive pressure enclosures powered by 80 – 100 air changes per hour of HEPA filtered air. bio**BUBBLE** Clean Rooms 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 Clean Rooms and **Architecturally Renovated Clean Rooms**.

bio**BUBBLE** Clean Rooms are constructed using:

- a modular anodized aluminum framework
- vinyl skin with Velcro®-type connections
- blowers with long lasting, energy efficient, electrically commutated motors
- 99.99% efficient HEPA filters

bio**BUBBLE** Clean Rooms are economical, incomparably effective, and durable enough to 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.

APPLICATIONS

Animal Housing - Immunocompromised, SPF, Gnotobiotic, Conventional

Procedural Space • **Aquatic Research** • Class 100 / ISO 5

Horticultural Research • Manufacturing Processes • **Product Mixing & Preparation**

Toxicology • **Pharmaceutical Processing, Preparation & Packaging**

Customized Solutions – Call us to discuss a solution for your application.



<
INTEGRATED ULTRA-CLEAN HOUSING AND PROCEDURAL SPACE WITH TWO BIOSAFETY CABINETS DOCKED TO EXTERIOR OF bioBUBBLE CLEAN ROOM

FEATURES & BENEFITS

Ultra-Clean Environment [up to class 100/ISO 5]: bioBUBBLE Clean Rooms provide an ultra-clean environment to control dust, allergens, dander and airborne contaminants. Conditions are created with high levels of HEPA filtration and mass airflow. bioBUBBLE Clean Rooms provide the ideal conditions for housing any species, animal model, or performing any type of procedural work requiring a controlled environment.

User Friendly/Comfortable: Clear vinyl walls facilitate supervision by allowing complete visual access without the need to physically enter the clean room. The clear vinyl also reduces the feelings of isolation and claustrophobia which can occur in standard hard walled laboratories. Communication is also improved via visual access, creating a more user-friendly environment.

Environmental Separation: bioBUBBLE Clean Rooms provide environmental separation between individual groups, species or studies within the same room or shared space.

Cost Savings: bioBUBBLE Clean Rooms reduce costs by 30 –45% when used as an alternative to hard walled construction in both new and renovated facilities. In addition, this investment is made in transferable capital equipment rather than a permanent structure.

Flexible Construction: bioBUBBLE systems can also drastically simplify building ventilation (HVAC) systems, increasing cost savings

and reducing construction timelines. bioBUBBLE Clean Rooms are mounted on high-quality, 5" 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 in the workflow of the facility.

HEPA Filtration: 99.99% on 0.3 micron particles- military std MIL-STD-282/ industry std IEST-RP-CC-034

Easy Cleaning: Zippered and Velcro® type access points make bioBUBBLE Clean Rooms easy to clean and maintain. Enclosures tolerate all standard sterilants and disinfectants.

Energy Efficient: bioBUBBLE Clean Rooms are extremely energy efficient. Power Units use electronically commutated motors for energy savings. 110-240 VAC; 4.35A

Options: Anterooms, multiple door styles, access control system & keypads, pass through boxes, custom docking systems, frame mounted shelving and tables, removable perimeter rodent barriers, ports for ventilated caging and auto watering systems, and heat resistant, opaque, or tinted vinyl.