bioBUBBLE
CONTROLLED ENVIRONMENTS | CUSTOM SOLUTIONS

KATHLEEN SCHMIDT
SALES REPRESENTATIVE
T 970 224 4262 X 104
kschmidt@bio**BUBBLE**.com
www.bio**BUBBLE**.com

bioBUBBLE cleanrooms create and maintain germ free environments to protect and isolate animals from the external environment.

- The intake on bioBubble's 1818 power unit collects problematic airborne particles located at the waist to floor level.
- The output of the power unit delivers HEPA filtered air into the plenum of the cleanroom producing a downward positive pressure airflow.
- bioBubble cleanrooms typically operate at 50 to 100 ACPH of HEPA filtered air protecting the animals inside.
- HEPA filtration waist to floor level minimizes the risk of airborne contaminates coming to the inside of the cleanroom.
- bioBubble soft-walled, vinyl ductwork is easier to clean, less likely to transmit noise and vibration; and less expensive than metal or stainless steel.

Advantages of bioBUBBLE Equipment for SCID/DPF/Germ Free Facilities

- bioBubble equipment can be installed in an existing rented space or a purpose-built facility. When modifying an existing space, Sage Labs documented a 65% savings in total project cost by using bioBubble cleanrooms.
- bioBubble equipment is flexible, modular and can be designed in any size, shape or configuration. Equipment can be easily disassembled, modified or moved to a new building.
- Animal caretakers can don or doff personal protective equipment in anterooms.
- Clear vinyl provides visibility and audibility for management and staff.
- Cameras can be installed to improve management and security on a 24-hour basis.
- bioBubble Workstations are used for laboratory or production needs to transport materials and animals within the facility while under HEPA filtration.

SCID/DPF/Germ Free Facilities can be efficiently constructed using bioBubble products

- If modifying or replacing existing HVAC conditioned air, we recommend using ground-based HVAC systems with soft vinyl ducts. This combination makes for easier maintenance and minimizes noise and vibration for lab animal-based projects.
- Turnaround timelines are typically 60-90 days to ship and install.
- Keep it simple! We are happy to consult when planning for a new facility or vivarium.

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