

Duroair's clean rooms create clean air environments wherever they are needed. Combined with our DuroRoom™ retractable enclosure, the DuroClean™ engineered exhaust system becomes one flexible, cost-effective solution for on-demand clean rooms and isolation rooms. Duroair modular clean rooms can be placed anywhere in a manufacturing facility without having to install supplementary ductwork. Our portable, retractable enclosures with non-vented air filtration can be engineered for large or small self-contained work environments, wherever and whenever needed. Whether isolating a manufacturing process from the larger work environment (negative pressure) or protecting a process from contamination (positive pressure), our DuroRoom™ and DuroClean™ engineered filtration systems reduce operating expenses and increasing productivity.

APPLICATIONS

Mechanical assembly, 3-D printing, electrical winding, aerospace assembly and lay up or any area requiring a clean environment - ISO 6-9.

QUICK STATS

EFFICIENCY

- Increased workflow efficiency for stop-and-start R&D processes.
- Reduced material handling by not having to transport large workpieces to a dedicated clean air space.

AIRFLOW

- Laminar, or unidirectional air flow systems.
- Turbulent, or non-unidirectional, air flow systems.

DESIGN CONFIGURATION

- HEPA Single Pass Design: Heating/Cooling and dehumidification can be added to the system.
- HEPA Recirculating Design: Heating/Cooling and dehumidification can be added to the system.
- HEPA Negative Pressure: Negative pressure/ Environmental isolation rooms to protect the external environment from processes generated in the enclosure. Heating/Cooling and dehumidification can be added to the system
- HEPA Positive Pressure: Positive pressure cleanrooms to protect your process from external contaminants. Heating/Cooling and dehumidification can be added to the system

FILTRATION

- Prefilter - medium efficiency (35%) particulate filter.
- High efficiency filter - the air passes through a 90-98% efficient rigid type filter in either box, mini pleat V-bank or pocket style designed to maximize filter media and minimize pressure drop to reduce energy usage.
- HEPA filter - High Efficiency Particulate Air filter are used in a wide variety of applications in which maintaining a sterile environment is critical. HEPA's are available in 99.97 and 99.99% efficiencies, in standard and high capacity.

