

FULL IN-HOUSE CAPABILITIES

Walker Barrier Systems is Where People & Product Protection isn't a Question, it's the Answer. Our goal is your complete satisfaction from an initial inquiry to final installation and acceptance.

Conversation With Customer Technical Sales Engineer

Our Technical Sales Engineers will make an on-site visit to discuss and determine your needs before any solution is proposed.

In-House Design Team

Mechanical Engineering: The design mechanical engineering team will take the initial concept and create a proposed solution to your specifications.

Control & Software Engineering: Custom software and controls will be written to complement the mechanical design.

Customer Approval Of Design And Drawings

The proposed solution is then presented with the option of construction of a full scale mock-up of your design.

In-House Fabrication And Assembly

With drawings approved, our skilled stainless steel craftsmen bend, shape, weld and polish sheets of stainless steel into a finished piece of equipment.

Integration Of All Equipment

Production then shifts to integrate other manufacturers equipment into the isolator or downflow booth to your specified requirements.

In-House Factory Acceptance Test With Documentation

Final assembly, inspection and testing is then completed in our cleanroom. A Factory Acceptance Test can be conducted with all required documentation provided.

Walker Barrier System Field Service Installation And Site Acceptance Test

After the equipment arrives at your facility, our factory trained Field Service Technicians will then install the start up and train your staff on the operation of your new equipment.

OVER
50
YEARS
experience

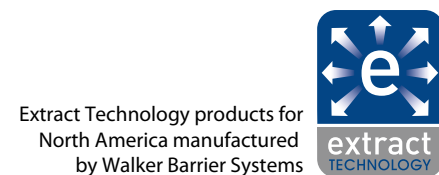


Where People & Product Protection isn't a Question, it's the Answer.

Aseptic | Containment | Nuclear



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A division of Walker Stainless Equipment Company LLC





INNOVATIVE CONTAINMENT AND ASEPTIC SOLUTIONS

Walker Barrier Systems is a leading supplier of containment and aseptic systems for the pharmaceutical, biotech and nuclear industries. Our well established product range includes isolators for containment of potent compounds, and for aseptic processing applications; our Extract Technology brand downflow booths for operator protection from breathable dusts; and a full range of Extract Technology brand Pack-off systems to safely offload powder products into drums or IBCs. Restricted Access Barriers (RABs) are also available providing uni-directional airflow and limited operator access at a manufacturing process.

CONTAINMENT AND ASEPTIC ISOLATORS

We design and manufacture a wide variety of negative pressure Containment Isolators for handling potent compounds that can offer levels of operator protection as low as 10ng/m³ TWA. In house surrogate testing at Factory Acceptance test can be provided to demonstrate the required OEL. Our Containment Isolator designs include Sampling, Weighing, Dispensing, Sub-dividing, Mixing, Milling and Vessel Charging, as well as Filter Dryer units, Tray dryer units, Tablet Press Enclosures and Pack-off systems. Standard solutions which include many special features and design advantages are available. However, should your application require a custom designed unit, our Technical Sales Engineer will work closely with you to design the isolator to specifically meet your needs.

Over the past decade, the use of positive pressure Barrier Isolator systems for aseptic applications has increased dramatically. Our Sterility Testing Isolators allow operators to perform sterility tests on different quantities and products in a safe, contained manner; and have essentially eliminated false positives. Using our "Ergoclean" gloveports or half-suits, operators are physically within the work area, but biologically removed, thereby protecting the product from operator contamination. Filling machine isolators (designed in conjunction with filling machine supplier) will not only provide high levels of product sterility than can be achieved in a conventional cleanroom, but can also be applied to potent/aseptic production requirements. Other aseptic applications include: Autoclave Interface Isolators, Depyrogenation Oven Interface Isolators and Lyophilizer Interface Isolators.

All Walker Barrier Systems Isolator designs include:

- Variable speed blower providing HEPA filtered air
- Fully welded 316L stainless steel construction with radiused corners
- Laminated safety glass viewing windows
- Available PLC based controls system
- Ergonomically designed with "Ergoclean" gloveports or half-suits
- Integration with VHP decontamination system or cleaning system
- Pass through system (RTP, airlock, hatchback windows)

DOWNFLOW CONTAINMENT BOOTHS

Our Extract Technology brand Downflow Booths have been used extensively in the pharmaceutical industry for over twenty years, protecting operators from the harmful dusts generated during manual powder handling operations such as dispensing, sampling and charging. Clean air from the ceiling plenum is distributed evenly across the entire work area pushing any breathable dust generated downward and away from the operators breathing zone.

The high velocity exhaust grills direct the dust into the on-board filtration system which then recirculates the clean air back into the ceiling plenum. A small amount of air is exhausted after the filters to ensure containment in the booth.

Glassware Booths which protect operators from dusts, vapors and aerosols during reactions and distillation work in Kilo Labs are also available.

Extract Technology brand Downflow Booths include:

- Guaranteed operator exposure levels of less than 100ug/m³ TWA. The use of flexible or rigid screens can improve this to 10ug/m³.
- Available in epoxy coated steel, 304 or 316L stainless steel or a combination of both.
- Various heights, widths and safe working depths are available.
- HEPA filtration systems with optional safe change (bag-in, bag-out) filter housings.

PROCESS PACK OFF SYSTEMS

Our Extract Technology Pack-Off Heads are designed to offer a basic form of primary dust containment when off-loading and packing off product. A variety of Sealing Heads (outward inflating, inward inflating, downward inflating, molded and compressible Seals) are available.

Through the incorporation of a secondary containment system such as a Laminar Flow Booth, Cross Flow Booth or Isolator, containment levels can be improved to less than 1ug/m³ TWA. Pack-off systems provide:

- Dust free offload to cGMP standard.
- 316L stainless steel construction
- Rapid and easy seal replacement.
- Designed for single use or continuous liners.

Walker Barrier Systems offers installation, commissioning and IQ/OQ protocols with Execution by our fully trained technicians to ensure the system fully conforms to your requirements. To complete the package, our dedicated Spare Parts and Service Departments will supply complete aftermarket support.

Our Technical Sales and Engineering staff will work closely with you to design the optimum systems to meet your needs. Walker Barrier Systems offers complete in-house design, mock-ups, engineering, fabrication, factory acceptance testing, installation and on-site start up services.

Call us today to see how we can put our expertise and experience to work for you.

