



**BARRIER SYSTEMS**

*Single Source Isolation Technologies*

# HALF-SUIT ISOLATOR



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The Walker Barrier Systems Half-suit Isolator is designed to allow operators to perform sterility testing in an aseptic environment providing assurance of material integrity. Benefits of a half-suit in combination with or without a Transfer Isolator provide higher levels of ergonomic comfort for large volumes of sterility testing.

## Process Description:

Samples to be tested and all associated supplies and equipment required for testing are loaded into the Transfer Isolator via a "hatchback window". When loading is completed, both of the Isolators are decontaminated with vaporised hydrogen peroxide. The decontamination process is conducted by an integrated hydrogen peroxide generator (supplied separately). When the decontamination process is complete, the Transfer Isolator is docked to the half-suit and sterility testing can begin. This efficient process allows the use of more than one Transfer Isolator so that when one Isolator is being analyzed, another can be decontaminated.

The samples can then be membrane filtration tested by using the optional Millipore 316L Integral Steritest system integrated into the floor of the isolator. Once testing is completed, the exposed media samples and refuse will exit the isolator through the several options.

## Design Advantages:

- Fully welded 7 gauge 316L stainless steel construction, with laminated safety glass, and 5/8 inch corner radiuses.
- Positive pressure and turbulent flow, with high/low set points and audible and visual alarms.
- PLC with password protection to automatically control all functions and phases of the Isolator operation and decontamination process.
- Large diameter stainless steel piping increases the airflow and minimizes problems with "out gassing".
- Automatically actuated inlet and outlet valves eliminate the need for operators to manually adjust valves during the decontamination cycle.
- An in-line heater in the ventilation pathway heats the purge airflow during the aeration cycle, assisting in the decomposition of hydrogen peroxide.
- VHP integration package which may be controlled through the included PLC functions.

## Options:

- Ammonia leak test pressure control system.
- Integrated Millipore Steritest floor mounting testing equipment.
- Full validation services available including IQ/OQ protocols.
- Hatch-back window directly on Half-suit Isolator enables use without a Transfer Isolator.

Our Sales and Engineering staff will work closely with you to design the optimum system to meet your needs. Walker Barrier Systems offers complete in-house design, mock-ups, engineering, fabrication, installation and onsite start up services.



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