



PASS – 1600 IU

The **PASS - 1600 IU** Unit (Portable Air Safety Systems Isolation Unit) has been designed to meet or exceed the CDC guidelines for Medical Isolation in all Field Hospital and Surge applications. We reach unmatched levels of performance by employing our patented technology of HEPA filtration and UVC irradiation in a portable system. The PASS - 1600 ISO can create either positive pressure “Collective Protection” or negative pressure “Medical Isolation” utilizing our patented technology to capture, contain and neutralize biological contaminants in all weather conditions. Most importantly the PASS - 1600 ISO unit can be use in conjunction with any portable shelter or building to create unmatched capability for medical isolation protection.



PASS – 1600 IU

- Positive Pressure Protective Isolation
- Negative Pressure Medical Isolation
- Continuous Pressure Monitoring of Isolation Area
- Automatic Download Data Logging
- Variable Speed Blower 0 to 1600 cfm
- Digital Display of Room Pressure and HEPA Filter Pressure
- Oversized Rapid Change High Flow HEPA Filter with UVGI
- Performance Monitoring with Audio and Visual Alarms
- Ozone Generators for Post Event Decon
- All Weather Durable Construction
- 8000 Cubic Foot Capacity at 12 Air Changes Per Hour



PASS – 1600 IU controller displays area and filter pressure simultaneously in real time to give Health care Workers and First Responders piece of mind.



A SYNERGISTIC CLEAN AIR PROCESS

Filtration, UVGI and Ozone – all proven technologies – have been integrated into our air purification process. The result? A comprehensive system that far exceeds what each technology is capable of doing on it's own.

APPLICATIONS

- NEGATIVE PRESSURE MEDICAL ISOLATION FOR PORTABLE FIELD HOSPITALS
- POSITIVE PRESSURE BIOLOGICAL COLLECTIVE PROTECTION FOR PORTABLE FIELD HOSPITALS
- MID TO LARGE SCALE MEDICAL ISOLATION FOR HEALTHCARE.
- POST EVENT DECON
- ODOR ABATEMENT
- SMOKE REMOVAL
- AIR SCRUBBING (INFECTIOUS BIO AERSOLS)

Size	36.5" H x 18.5"W x 41"L
Weight	236 lbs
Power rating & Electrical Requirements	115 Volts, 11.5 Amps, 60Hz, 1322 Watts, 12' Power Cord
Airflow Capacity	0 to 1600 cfm Electronic Speed Control
Airflow Ports	2 Inlets with adjustable dampers for flow control – 14" and 10" 2 Outlets with adjustable dampers for flow control – 14" and 10"
Filter: High Capacity HEPA	24" T x 18" W x 11.5" D – Deep "V" Filter, 99.99% @ 0.3 Microns
Filter: Prefilter (optional)	24" T x 18" W x 2" D – Carbon Poly Media Prefilter
UVGI Lamps	Front Bank: 4 Lamps On Removable Frame Rear Bank: 5 Lamps On Fixed Frame Bulb Intensity: 120 Microwatts/CM2 254NM Germicidal Wavelength
Ozone	4.2 Micrograms Per Hour
Displays and Alarms	Visual Alarm on Controller to Indicate Bulb Failure Visual and Audio Alarms on Controller to indicate HEPA Filter replacement Visual and Audio Alarms on Controller to indicate Area Pressure Failure
Controls	Differential Airflow Dampers to adjust room pressure – On Unit Ozone Enabling: On-Off Removable Key Switch – On Unit Ozone Timer: Activates Ozone Production – On Controller
Data Logging	Sensor Monitoring With USB Port For Time Stamped Data Transfer
Cabinet	16 Gauge Steel – Powder Coated Color: Red (standard) – Other colors available Easy Access Panel for Filter Replacement Soft Ride Casters (standard) – Pneumatic Turf Tire available