# Products For Creating Patient Isolation Spaces

ABATEMENT TECHNOLOGIES®

LEADERS IN CLEAN AIR

## About Abatement Technologies

For more than 30 years facilities around the world have relied on Abatement Technologies innovative and adaptable patient isolation and emergency response solutions. Today, Abatement offers a full suite of products designed to help facilities adapt existing spaces to Airborne Infection Isolation Rooms (AIIR)'s. Enclosed you will find products that will HEPA filter air and create positive or negative pressure rooms, products that can monitor and log pressure differential, products that can create ANTEROOMS and other isolation spaces, and much more. Our knowledgeable staff is available to help you select the correct suite of products for your specific application.

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# HEPA-CARE® Patient Isolation Systems

## HEPA-CARE® Patient Isolation Systems

For almost 30 years, HEPA-CARE® in-room HEPA filtration units have set the standard for reliable and economical solutions for infectious patient isolation. These unique systems are used today in thousands of facilities throughout North America. Two types of HEPA-CARE systems are available: portable models, which can be moved within the facility and deployed wherever they are needed; and, ceiling-mounted models, which mount into a drop-ceiling grid.

All models feature:

- Powder-Coated Aluminum Cabinet
  Professional, "hospital" appearance; easy to maintain.
- Strong, leak-resistant cabinet construction.
- Unique Zero Bypass Dual Cabinet Design
  Protection against contaminated air bypass.
- Intuitive capacitive touchscreen with 5 airflow settings.
- Password Protection
  Secure, tamper resistant controls.
- Energy Efficient EC motorized impellers
  Reduce energy use and noise.
- Anti-Microbial MERV-8 Pre-Filter
  Protects against microbial growth & degradation.
- Optional VAPOR-LOCK® Carbon Pre-Filter
  Removes low concentrations of gases and odours.
- All HEPA-CARE® HC500 series and HC800 series models are equipped with an H14 Type HEPA filter tested and certified to capture at least 99.995% of microscopic particles 0.3 microns in size

HC800FD PORTABLE AIR PURIFICATION SYSTEM

## NRTL Safety Certification

HEPA-CARE® systems are registered as Class II Medical Devices under FDA 510K, and certified by a Nationally Recognized Testing Laboratory (NRTL), to comply with relevant OSHA, UL and CSA safety standards.

## Export Products

Most of the Abatement Technologies electric-powered products in this brochure are available in 230 volt/50 hertz and 230 volt/60 hertz models for overseas customers. Contact our Healthcare Export Sales Department for more information.

# HEPA-CARE® Patient Isolation Systems

## HEPA-CARE® HEPA Filtration Systems

Thousands of health care facilities rely on HEPA-CARE systems from Abatement Technologies for infectious patient isolation. The two exceptionally mobile portable models can be quickly rolled to wherever needed in the facility and used to convert almost any room into a CDC-compliant patient isolation room. The ceiling models mount into a ceiling grid, completely out of the way of patients and staff. All four models are NRTL certified to comply with UL and CSA standards, and come equipped with: touch screen controls with password protection; five airflow settings; an anti-microbial treated pre-filter, and; a 99.995%-efficient HEPA filter.

### HC800FD Portable Model

PART NO: HC800FD

The HC800FD is the "premier standard" of portable systems, with top-of-the-line performance and features, and unmatched reliability. It can typically maintain 12+ ACH in rooms 4,000 to 4,625 cubic feet, depending on the installation.

- Peak rated airflow from 150cfm to 925cfm
- Louvered front air inlet & optional top & rear exhaust outlets
- Pharmaceutical grade HEPA with silicone-gel seal & anodized aluminum frame
- Energy Efficient EC motorized impellers reduce energy use and noise
- Hinged, front door secures with two Phillips machine screws
- Clean and Sterilize the Air with optional Germicidal UV Disinfection. (HC800FD-UV)

### HC500FD Portable Models

PART NO: HC500FD

This compact model is designed for areas that don't require as much airflow as the HC800FD. It can typically maintain 12+ ACH in rooms 2,250 to 2,375 cubic feet, depending on the installation.

- Peak rated airflow 150cfm to 475cfm
- Louvered front air inlet & optional top & rear exhaust outlets
- Pharmaceutical grade HEPA with silicone-gel seal & anodized aluminum frame
- Energy efficient EC motorized impeller
- Clean and Sterilize the Air with built-in optional Germicidal UV Disinfection (HC500FD-UV)

## HEPA-CARE® Germicidal UV Modules

Modules utilize a bank of four high-output UV lamps as a supplemental infection control measure.

### UV800F UV Module

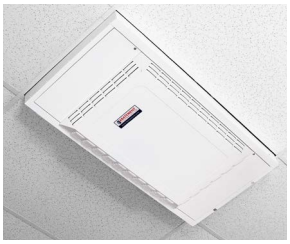
PART NO: UV800F

The UV800F is designed specifically for use with the HEPA-CARE® HC500FD and HC800FD portable units, mounting onto the top exhaust outlet. Air flowing through the UV800F is irradiated with a high dosage of germicidal UV (UV-C) energy.

- On/off switch so the portable unit can be run with or without UV-C
- Safety interlock switch protects against UV exposure

# HEPA-CARE® Patient Isolation Systems

## HC800CD Ceiling-Mounted Model



The HC800CD is similarly equipped to the HC800FD. It can typically maintain 12+ ACH in rooms as large as 3,625 to 4,250 cubic feet, depending on the installation.

- Peak rated airflow 725cfm – 850cfm, depending on the installation
- Low-cost option to 'design & build' isolation rooms with dedicated HVAC systems
- Mounts into a 2 ft x 4 ft ceiling grid
- Pharmaceutical grade HEPA with silicone-gel seal & anodized aluminum frame
- Easy, in-room access for filter changes (no need to disturb ceiling tiles)
- Separate, wall mounted control box can be mounted outside the room or remotely

PART NO: HC800CD

## HC500CD Ceiling-Mounted Air Purification System

This compact model is designed for areas that don't require as much airflow as the HC800 series. It can typically maintain 12+ ACH in rooms 2,250 to 2,750 cubic feet, depending on the installation.

- Installs in a 2 ft. x 2 ft. drop ceiling grid
- Pharmaceutical grade HEPA with silicone-gel seal & anodized aluminum frame
- Easy, in-room access for filter changes (no need to disturb ceiling tiles)
- Separate, wall mounted control box can be mounted outside the room or remotely
- Five motor speed settings, with peak output of 200cfm up-to 550cfm*
- Password protected to prevent tampering

PART NO: HC500CD

*Note: Use airflow ratings and air changes per hour (ACH) as a guideline only. Estimates are based on factory and independent testing @ 120 VAC with an air straightener and a traverse of readings taken with a computing vane-anemometer. Actual results may vary.*

## UV400C-PT & UV400C Ceiling-Mounted UV Modules

The UV400C-PT is designed specifically for irradiating exhaust air from any model. The UV400C is a module that can also be used in place of standard return-air grills in high infection risk areas.

- Mounts into a 2 ft. x 2 ft. drop ceiling grid
- Safety interlock shields protect against UV exposure

PART NO: UV400C-PT & UV400C

## HEPA-CARE® REPLACEMENT FILTERS & ACCESSORIES CHART

| FILTER OR ACCESSORY | HC800FD | HC500FD | HC800CD | HC500CD | UV800F | UV400-PT | UV400C |
|---|---|---|---|---|---|---|---|
| **Stage 1** | | | | | | | |
| Anti-Microbial Pleated Prefilter | HC1802AM | HC1802AM | HC1802AM | HC1802AM | N/A | N/A | N/A |
| **Optional Prefilter:** | | | | | | | |
| VAPOR-LOCK® Carbon Filter | HC1802CF | HC1802CF | HC1802CF | HC1802CF | N/A | N/A | N/A |
| **Final Stage** | | | | | | | |
| 99.97% HEPA Filter | HC1836-H14 | HC1818-H14 | HC1836-H14 | HC1818-H14 | N/A | N/A | N/A |
| UVGI Lamp | N/A | N/A | N/A | N/A | UV425 | UV425 | UV425 |
| Clear Heavy-Duty PVC Flex Duct, 8" x 25' | H2030-08 | H2030-08 | N/A | N/A | N/A | N/A | N/A |
| Clear Wire Reinforced PVC Flex Duct, 8" x 12' | H2030-8-12 | H2030-8-12 | N/A | N/A | N/A | N/A | N/A |
| Corrugated Aluminum Semi-Rigid Duct, 8" x 8' | H20508-8-1 | H20508-8-1 | H20508-8-1 | N/A | H20508-8-1 | H20508-8-1 | H20508-8-1 |
| Quick-Connect Collar | H2240-08K | H2240-08K | H2240-08K | H2240-08K | N/A | N/A | N/A |
| Flex Duct Attachment Clamp | H2350-08 | H2350-08 | H2350-08 | H2350-08 | H2350-08 | H2350-08 | H2350-08 |

# Monitors and Instruments

## Single Room Pressure Monitor

PART NO: RPM-RT1 OR RPM-RT2

Abatement Technologies® RPM Series Differential Pressure Monitors provide 24/7 monitoring and recording of differential air pressure relationships between multiple rooms or areas within a healthcare facility for patient isolation environments.

- User-friendly, colour touch screen display
- Differential pressure measurement, ranges of -0.10inWC (-25 Pa) to +0.10inWC (+25 Pa)
- Archived logs are downloadable in CSV format to a USB flash drive
- Password protection feature (can be disabled)
- Visual & audible alarms with audio alarm delay & timed shutoff features
- (Compatible with) BACnet and N2 building automation systems
- Optional Temperature and Relative Humidity (RPM-SENSOR)

## Portable Differential Pressure Monitor

PART NO: PPM3-S

The PPM3-S Portable Room Pressure Monitor from Abatement Technologies® is an essential tool for measuring the real-time pressure differential between two adjacent areas within a facility.

- User-friendly, colour touch screen display
- Differential pressure measurement, ranges of -0.10inWC (-25 Pa) to +0.10inWC (+25 Pa)
- Archived logs are downloadable in CSV format to a USB flash drive
- Password protection feature (can be disabled)
- Visual & audible alarms with audio alarm delay & timed shutoff
- 6VDC @ 1 Amp output power supply/ charger with 10' cable
- Up to 6 months of battery life operating in battery mode.
- Protective carrying case

# Surge Capacity Anteroom & Containment Modules

## Temporary, Reusable, Adaptable Modular Containment Kit

PART NO: AGSHIELD-AR1

The AGSHIELD-AR1 starter package includes a 4ft outward swinging door, a 4ft panel, a 2ft panel, a 2ft panel with an exhaust port, 2, 90° Fixed Corners, 2 Wall Seal Drywall adapter kits, closed cell foam gasket, all necessary hardware and a transportation Panel Cart. Over 40 configurations are possible using this kit.

- Easily create different size anterooms or other configurations with one simple kit
- ICRA compliance up to Class 4
- Quick assembly with a single tool
- Secure environment with locking doors and exhaust plate
- Clean, professional, high-end appearance

## ISOQUAD® IQ810 Isolation Tent

PART NO: IQ810

The IQ810 is a flexible, inexpensive and easy way to quickly increase surge patient isolation capacity that one person can pop up in seconds.

- Fits almost any bed or gurney
- Use with a HEPA filtration device to create negative pressure within the module
- Pulls in "clean air at the foot of the bed & exhausts HEPA-filtered air behind the patient's head

## ANTE UP® HC7917 Inflatable Emergency Anteroom

PART NO: HC7917

The HC7917 can be mounted inside a patient room doorway or outside the door, entirely in the corridor.

- Inflates in minutes with the included 110-volt compressor/inflator
- Fits any 46" – 48" wide, 80" tall doorway & can be expanded for double doors
- Large zippered doors at either end are wide enough for a gurney
- Large windows with roll-up covers at each end
- Portable air scrubber & HEPA vacuum connection ports
- Tough fabric meets relevant fire/life safety standards

## AIRE GUARDIAN® AG3100TMK Temporary Transition/Anteroom Module

PART NO: AG3100TMK

The AG3100TMK includes an aluminum frame and a PVC enclosure. An optional transport cart can be purchased so the module can be quickly wheeled to a patient room, removed from the cart and sealed around the door frame.

- Enclosure flange fits any 46" – 48" wide, 80" tall doorway
- Large zippered doors at either end are wide enough for a gurney
- Large view windows
- Designed for use with a HEPA-CARE in-room HEPA filtration unit
- Tough military tent fabric meets relevant fire/life safety standards

# ISOLATION & CONTROL PRODUCTS FOR CONSTRUCTION & RENOVATION

## PREDATOR® Portable Air Scrubbers

Abatement Technologies® developed the original portable air scrubber more than 20 years ago and our products continue to set the standard for quality, performance, portability, reliability and ease of use.

### PREDATOR® 750 Portable Air Scrubber

- Airflow: Variable speed, rated 200cfm - 750cfm
- Six (6) air changes per hour (ACH) for 5,000 - 6,000 cubic foot spaces
- Weight: 35 pounds with filters
- Cabinet: Durable, Polyethylene Made From UL94HB Flame Retardant Resin
- Peak power draw: 1.9 amps or less, daisy-chain up to 5 units per 15A circuit

PART NO: PRED750

### PREDATOR® 1200 Portable Air Scrubber

- Airflow: Variable speed, rated 300cfm - 900cfm
- Six (6) air changes per hour (ACH) for 6,000 - 9,000 cubic foot spaces
- Weight: 70 pounds with filters
- Built-in, two-wheel dolly and durable handle for maximum portability
- Cabinet: Durable, Polyethylene Made From UL94HB Flame Retardant Resin
- 3 units can be daisy-chained on one 15-amp circuit

PART NO: PRED1200

## HEPA-AIRE ® Portable Air Scrubbers

HEPA-AIRE® models feature tough, corrosion-resistant metal cabinets fabricated using airtight "zero bypass" rivet construction.

### HEPA-AIRE® 750 Portable Air Scrubber

- Airflow: Variable speed, rated 200cfm - 750cfm
- Six (6) air changes per hour (ACH) for 6,000 – 7,500 cubic foot spaces
- Weight: 33.5 pounds with filters
- Cabinet: Anodized aluminum
- Peak power draw: 1.9 amps or less, daisy-chain up to 5 units per 15A circuit

PART NO: PAS750

### HEPA-AIRE® 1200 Portable Air Scrubber

- Airflow: Variable speed, rated 300cfm - 900cfm
- Six (6) air changes per hour (ACH) for 7,500 - 9,000 cubic foot spaces
- Weight: 85 pounds with filters
- Upright model, with non-marking 8" rear wheels & front swivel casters
- Cabinet: Stainless steel
- 3 units can be daisy-chained on one 15-amp circuit

PART NO: PAS1200

### HEPA-AIRE® 1600 High-Static Portable Air Scrubber

- Airflow: One speed, rated 1,900cfm
- Six (6) air changes per hour (ACH) for 17,500 - 19,000 cubic foot spaces
- Weight: 131 pounds
- Cabinet: Stainless steel
- Peak power draw: 8.5 amps or less

PART NO: PAS1600SHS

# ISOLATION & CONTROL PRODUCTS FOR CONSTRUCTION & RENOVATION

## HEPA-AIRE® 2400 Ultra-High Performance Portable Air Scrubber

PART NO: PAS2400

- Airflow: Two speed, rated 700 cfm (low)/ 2,100 cfm (high), the highest performance 120V/15A air scrubber available
- Six (6) Air changes per hour (ACH) for 18,000 - 21,000 cubic foot spaces
- Weight: 170 pounds
- Cabinet: Stainless steel, with detachable top module
- Peak power draw: 12 amps or less
- Three standard filtration stages: 1" MERV 4 natural fiber filter, 2" MERV 8 pleated filter & HEPA filter
- Optional pre-filter: 2" 500gsm VAPOR-LOCK® carbon filter (adds 4th filtration stage)
- Each pre-filter has its own shelf to minimize bypass

## HEPA-AIRE® 5000 High Performance Portable Air Scrubber

PART NO: PAS5000

- Airflow: One speed, rated 4,000 cfm, the highest performance air scrubber available
- Six (6) air changes per hour (ACH) for 35,000 - 40,000 cubic foot spaces
- Weight: 332 pounds
- Cabinet: Galvanized 20 gauge steel
- Peak power draw: 23 amps or less on a 230V/30A/60Hz electric supply
- Two standard filtration stages (2 of each filter required): 2" MERV 8 pleated pre-filters & HEPA filters
- Optional pre-filters (2 required): 2", 500gsm VAPOR-LOCK® carbon filters (replace standard pre-filters)
- Pre-filters mount in door for protection against bypass

## PREDATOR® & HEPA-AIRE® Replacement Filters & Accessories Chart

| FILTER OR ACCESSORY | PRED750 | PRED1200 | PAS750 | PAS1200 | PAS1600SHS | PAS2400 | PAS5000 |
|---|---|---|---|---|---|---|---|
| **Stage 1: Large Particle Filter** | **F621** | **F621** | **F621** | **F621** | **H2003** | **F1821** | H2001(2) |
| **Stage 2:** | | | | | | | |
| **MERV 8 Pleated Particle Filter** | **H502** | **H502** | **H502** | **H502** | **H2002** | **H1902** | **H2002(2)** |
| VAPOR-LOCK® Carbon | VL1002 | VL1002 | VL1002 | VL1002 | VL2024 | VL2002 | VL2024(2) |
| Stage 3: VAPOR-LOCK® Carbon | N/A | VL1002 | N/A | VL1002 | N/A | VL2002 | N/A |
| **Final Stage: 99.97% HEPA Filter** | **H161606-99** | **H610C-99** | **H161606-99** | **H610C-99** | **H24240699DG** | **H2418-99** | **H242406-99(2)** |
| **Lay Flat Outlet Ducting, 500' Roll** | H2015-12 | H2015-12 | H2015-12 | H2015-12 | H2015-12 | H2015-12 | H2015-12 |
| **Clear Wire-Reinforced Mylar, 25'** | H2020-10 | H2020-10 | H2020-10 | H2020-10 | H2020-12 | H2020-12 | H2020-12 |
| **Hvy Duty Wire-Reinforced PVC** | H2030-10 | H2030-10 | H2030-10 | H2030-10 | H2030-12 | H2030-12 | H2030-12 |
| **Flex Duct Attachment Clamp (intake):** | H2350-10 | H2350-10 | H2350-10 | H2350-10 | H2350-12 | H2350-12 | H2350-12(2) |
| **Flex Duct Attachment Clamp (Exhaust):** | H2350-10 | H2350-10 | H2350-10 | H2350-10 | H2350-12 | H2350-12 | H2350-14(2) |

*Note: Only bold-faced items come with the base unit. All others must be purchased separately.*

# Consumables and PPE

In addition to the trusted products we make and sell, we have partnered with some of Canada's best brands to provide you with a more complete line of products to try and cover everything you do on site. Making Abatement Technologies® your single destination for quality equipment and supplies.

## PERSONAL PROTECTIVE EQUIPMENT

### HAND PROTECTION:

Nitrile, Rubber, Cloth and Cut Resistant Work Gloves

### HEAD PROTECTION:

Certified Hard Hats and Accessories

### RESPIRATORS AND FILTERS:

Full Facepiece, Half Facepiece, Particulate and Combo Filters

### DISPOSABLE DUST MASKS

### EYE WEAR:

Safety Glasses and Chemical Splash Goggles

### FALL PROTECTION:

Harnesses, Lanyards, Self-Retracting Lifelines and Anchors

### FIRST AID PRODUCTS:

Eyewash Stations, Complete First Aid Kits

### DISPOSABLE PROTECTIVE CLOTHING:

Breathable, Non-Breathable Coveralls, Boot and Shoe Covers

## TOOLS AND ACCESSORIES

### GRILL MASK AND DISPENSERS

### STICKY FLOOR MATS

### AIR SCRUBBER FILTERS

### TAPES

### DUCTING AND CLAMPS

# Consumables and PPE

Partner Brands

## CONTAINMENT PRODUCTS

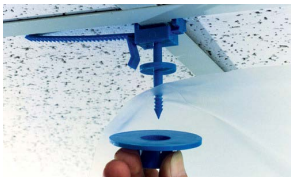
POLY SHEETING, CLEAR, RIP-PROOF, FIRE RETARDANT

FLOOR PROTECTION:

Hard Floor, Carpet and Reusable Floor Runners

ZIPWALL PRODUCTS:

Disposable Zippers, Spring Loaded Poles, Door Kits



POLY HANGERS AND GRABBERS

DISPOSABLE BAGS:

Asbestos and Garbage. Available in Multiple Sizes and Thicknesses

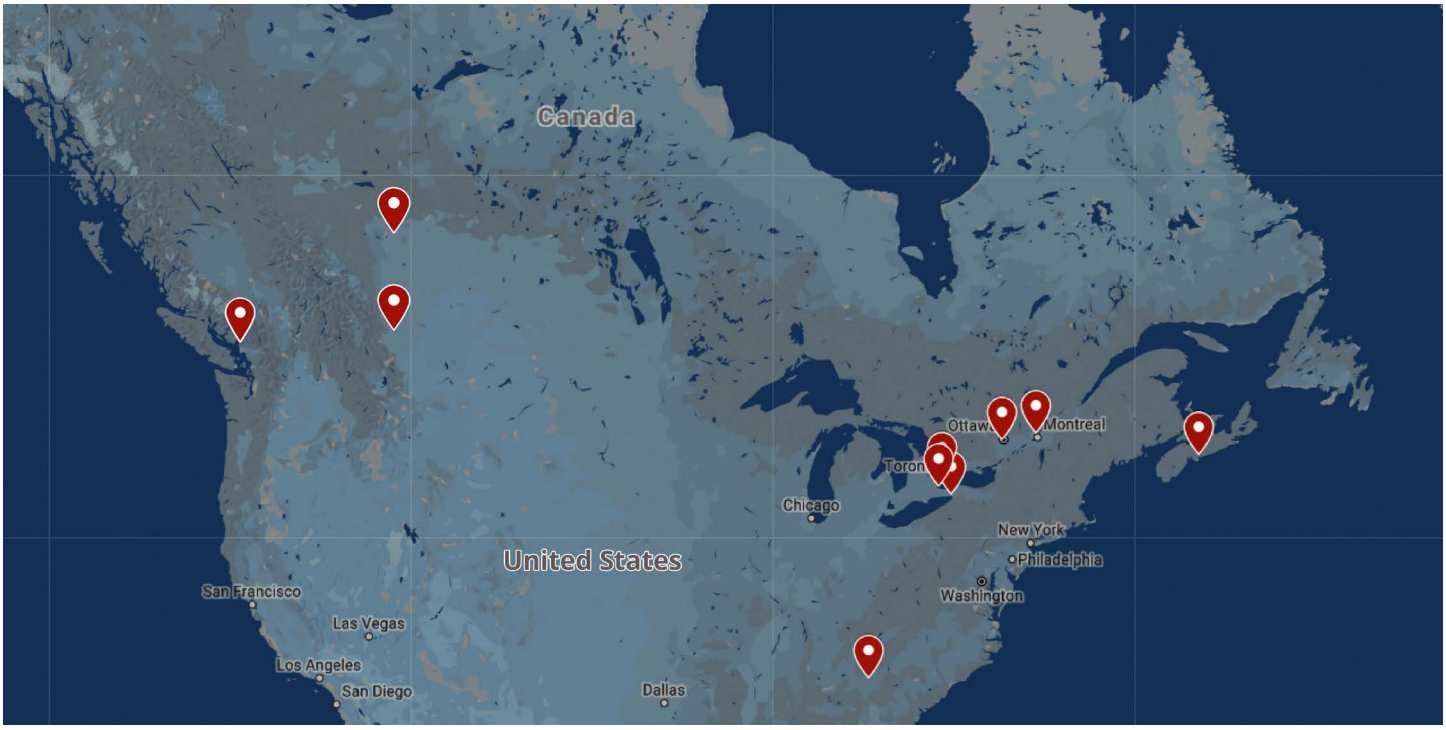
## CHEMICAL PRODUCTS

DISINFECTANTS

DEGREASERS

## ADHESIVES

SPRAY GLUES

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