AIRE GUARDIAN® SHIELD
COMPONENTS *CATALOGUE*

Temporary, reusable modular wall system for dust control during construction and renovation in critical care environments

ABATEMENT TECHNOLOGIES®

LEADERS IN CLEAN AIR

MADE IN CANADA

INTRODUCTION

The AIRE GUARDIAN® SHIELD is a modular wall system designed to contain airborne contaminants while performing construction or renovation work. The wall system can also be used as a patient isolation area or clean room to prevent airborne contaminants from entering. When used properly in conjunction with an Abatement Technologies Portable Air Scrubber, the AIRE GUARDIAN® SHIELD maintains negative or positive pressure differentials. Additionally, the AIRE GUARDIAN® SHIELD can be used to build an anteroom to allow passage between rooms while maintaining negative pressure differentials

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Currently deployed in many major health networks Canada wide

Exceeds ICRA Class 4 requirements

Premier temporary containment solution

Helps to reduce or eliminate future containment costs

System may pay for itself in as little as 3-5 uses

CA: 1.800.827.6443 • ABATEMENT.CA

WHAT IS THE AG SHIELD IDEAL *FOR?*

Compared to the time required to cut and install drywall, the **AIRE GUARDIAN® Shield** is erected quickly and can adapt to multiple configuration requirements.

This innovation in containment is becoming the standard, as contractors are able to reduce labour and startup times through easy to connect panels, closed cell foam gaskets, and self-levelling floor sills.

Ideal for creating a temporary barrier around a construction or renovation area, the AIRE GUARDIAN® Shield can be re-used eliminating waste and future containment costs.

AG SHIELD
THE REAL ADVANTAGE

QUICK, EASY AND VIRTUALLY DUST FREE

With a modular design and single tool assembly the SHIELD system will get you started with less labour, less time, and virtually no dust

EXQUISITE DESIGN

Our extruded aluminum and frosted polycarbonate panels give any site a clean, professional, high-end image. The SHIELD is also customizable with your logo graphics

ENVIRONMENTALLY SOUND, BUDGET FRIENDLY

Because the SHIELD system is reusable, you're not creating waste when it's time to move to the next job, compounding materials savings over time

LEVEL SURFACE

Our unique levelling plates, shim system, and ceiling clamps help your containment stay sealed, even in uneven environments

ADAPTABLE DESIGN FOR EVERY JOB

With 4 panel sizes, fixed or flexible corners, doors that can swing in or out, and interchangeable exhaust collars, the SHIELD adapts to almost any work area

EASY DECONTAMINATION

With smooth surfaces that are resistant to aggressive hospital cleaning practices it is easy to decontaminate before, during, and after construction

SECURE ENVIRONMENT

With lockable doors and exhaust plates, as well as, virtually hidden panel connectors the SHIELD creates a protective barrier around your site
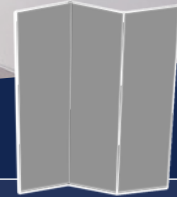
ICRA COMPLIANCE

Easily create ICRA compliance up to Class 4

AG SHIELD
COMPETITIVE ADVANTAGE

HOW
WE
STACK UP
AGAINST
OTHER
PANEL
SYSTEMS

DESCRIPTION	AGSHIELD	OTHER COMPETITORS
NO TOOLS REQUIRED	✓	
INSTALLATION HARDWARE IS INCLUDED	✓	
DOOR CLOSER AND KEY LOCKING LEVER HANDLE INCLUDED	✓	
INTERCHANGEABLE EXHAUST COLLARS	✓	
PANELS AND DOORS AVAILABLE IN CLEAR MATERIAL	✓	
WINDOW KITS AVAILABLE	✓	
LIGHTWEIGHT	✓	✓
DURABLE	✓	✓
EXCEEDS ICRA CLASS IV REQUIREMENTS	✓	✓
MEETS CLASS A FIRE & SMOKE RATING	✓	✓
REDUCED ENVIRONMENTAL WASTE	✓	✓
HIGHLY ENGINEERED DESIGN	✓	✓
SOUND ATTENUATION	✓	✓

ALL ABOUT
AG SHIELD PANELS

| 12" | 24" | 36" | 48" |
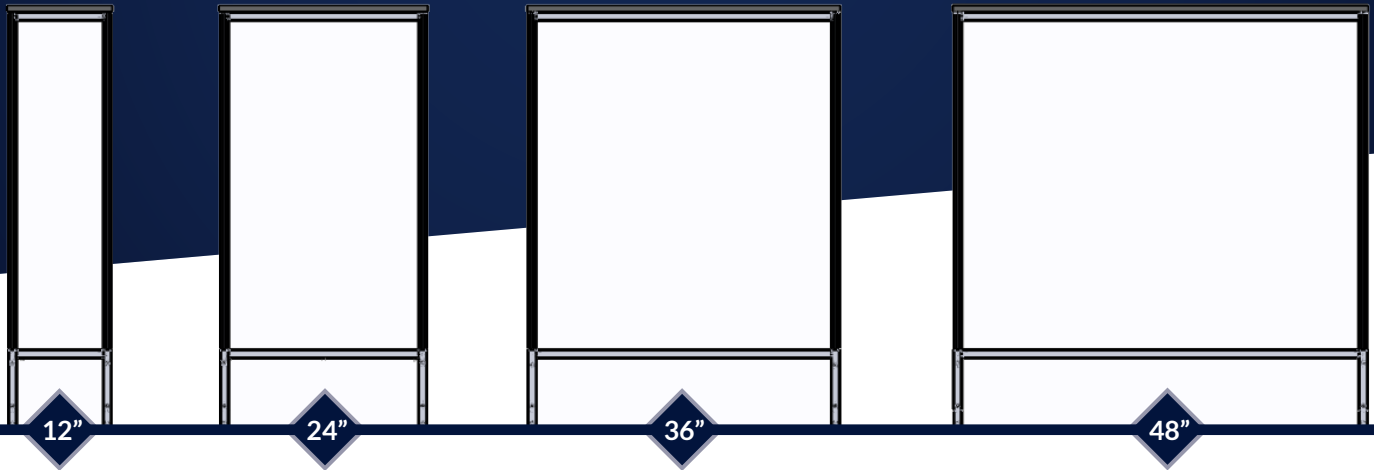
OTHER *SPECS*

Frame Construction:	Anodized Aluminum with steel screws
Weight Range:	17 - 32lbs
Panel Construction:	Translucent polycarbonate
Sound Attenuation:	In 3rd party test results, the AIRE GUARDIAN® SHIELD reduced the noise level of an air compressor operating at 90dB at a distance of 8ft from the wall by 17dB

POLYCARBONATE **SURFACE BURN** *CHARACTERISTICS*

ASTM E84 (US Standard)	NFPA Class A & IBC Class A
Flame Spread 5	Smoke Development Rating: 170

PANEL *LISTINGS*

*STANDARD PANELS	WIDTH	MIN / MAX HEIGHT	DIMENSIONS	PART NUMBER
12" Panel	12"	84" / 123"	12"W x 84"T x 2"D	AGSHIELD-P12WK
24" Panel	24"	84" / 123"	24"W x 84"T x 2"D	AGSHIELD-P24WK
36" Panel	36"	84" / 123"	36"W x 84"T x 2"D	AGSHIELD-P36WK
48" Panel	48"	84" / 123"	48"W x 84"T x 2"D	AGSHIELD-P48WK

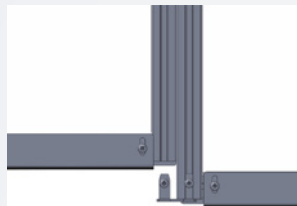*All necessary installation hardware is included

Ceiling Grid Attachment Hardware

Fits standard, recessed and concealed grid tiles

Thumbscrew for toolless panel height adjustment

Polycarbonate Panels

Smooth, durable, clean exterior surfaces

Top and Bottom Gaskets

3/8" Thick closed-cell soft foam gaskets create airtight seals

Lightweight

Weight ranges from 17 to 32lbs

Adjustable Height

Panels adjust from 7 ft to 10 ft 3 in

Extruded Aluminum Frame

4 connection points between upper and lower sections to prevent racking

Secured Panelling

Panels are secured at the top and the bottom by inserting the 4-finger bracket into the frame channel.

Multiple Widths

Available in 12", 24", 36", and 48" widths

Shims allow a solid connection between uneven panels

Self-levelling floor plates accommodate uneven environments, allow for sloping floors up to 1/8" per foot.
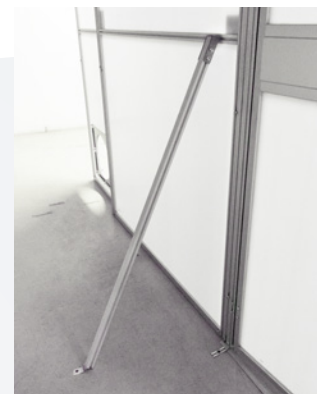
Truss Brace

Truss Braces help to secure a longer length of panels by bracing them from mid-panel, then fastening the bracket to the floor.

EXHAUST KIT with BLANK SECURITY PLATE | *AGSHIELD-EXK*

If ducting is needed on any other size of a panel, purchase an Exhaust Frame Kit. (AGSHIELD-EXK). This kit should be installed before assembling the AG SHIELD wall. If ducting is needed on both sides of a panel, purchase 2 of the Exhaust Frame Kits and mirror them on either side.

AGSHIELD-EP24W

One exhaust port frame comes installed on a two-foot white panel

AGSHIELD-EX12
Exhaust port,
12" diameter collar

AGSHIELD-EX08
Exhaust port,
8" diameter collar

AGSHIELD-EX10
Exhaust port,
10" diameter collar

AGSHIELD-EXD
Exhaust/Intake plate with
diffuser & 2" pleated filter

When the port is not in use it can be sealed with the removable locking security plate which is included

MEASURING NEGATIVE *AIR*

Differential pressure monitor mounts fasten the Portable PPM3-S or Fixed Wall Mount RPM-RT series monitors to the outside or inside of panels to allow greater flexibility in monitor placement.

PPM3-S Pressure Monitor Mount

AGSHIELD-HWPM1

RPM-RT Pressure Monitor Mount

AGSHIELD-HWPM2

"I can't tell you how much I love this system. I currently look after the construction projects in our hospital and have been utilizing our current system and have saved a significant amount of time and money doing so!

–**CHAD M.** *Project Coordinator*

Optional differential pressure monitor mounts fasten the PPM3-S or RPM-RT series monitors to the outside or inside of panels to allow greater flexibility in monitor placement.

Customizable, cut holes where needed using the Exhaust Kit Frame. Two Exhaust Ports (not included) can be installed into the same Kit Frame if ducting is required on both sides of the AIRE GUARDIAN® Shield modular Wall System.

ALL ABOUT
AG SHIELD UNIVERSAL DOORS

AG SHIELD's prehung doors are available in two sizes, and are easily changed to swing in or out and hinge left or right. This door ships standard with a door closer, a lockable lever lockset and filler panels to adjust to different ceiling heights up to 10ft above the door. An optional door kit with a SHLAGE® digital keypad with a lever style handle is also available.

DETAILS

Standard class 3 hardware with electronic keypad lock option

Class 2 SFIC lockset included

Easily change swing in/out

Over the door kit is included

Adjustable threshold and sweep

Closer is always mounted on the construction side

Weight: 55 - 63lbs

AGSHIELD-D44WK*

*Window Kit sold separately (AGSHIELD-WK)

PN: HARDWRE170
*Included

Optional purchase:
PN: AGSHIELD-KEYPAD

New Key Locking Lever Style Handle included

UNIVERSAL DOOR LISTINGS

UNIVERSAL SWING	DETAILS	PART NUMBER
44" x 80" Hinged Door	Pre-hung Door includes Key Locking Lever Handle	AGSHIELD-D44WK
44" x 80" Hinged Door	In a 48" panel, Electronic Keypad and Door Closer	AGSHIELD-D44WPK
32" x 80" Hinged Door	Pre-hung Door includes Key Locking Lever Handle	AGSHIELD-D32WK
32" x 80" Hinged Door	In a 36" panel, Electronic Keypad and Door Closer	AGSHIELD-D32WPK

— NEW AG SHIELD SLIDING DOOR —

The self closing sliding door is an excellent option where space is limited. This option eliminates the need for a door to swing into a hallway or the containment space increasing safety. The door features a removable magnet to hold the door open and a gravity driven self closing mechanism.

This door slides to the left and requires a 3ft or 4ft panel installed to the left. It ships with a track cover, SCHLAGE® digital keypad handle and filler panels to adjust to different ceiling heights up to 10ft above the door.

SLIDING DOOR LISTING

SELF-CLOSING	DETAILS	PART NUMBER
44" x 80" Door	42" Sliding Door In a 48" White Panel	AGSHIELD-DS42WK

AIRE GUARDIAN® SHIELD CUSTOM COMPONENTS

AG SHIELD CLEAR PANELS

Design the AG Shield wall system with your choice of clear, translucent, or a combination of both panels depending upon your requirements.

Where visibility is a must, special order clear panels and doors

Minimum Order Quantities Apply.

> "Great product and accepted by many hospitals and institutions where infection control measures are the main focal point. Let's ensure all our staff and loved ones are protected during renovations.
>
> **JOE B.** - *Construction Superintendent*
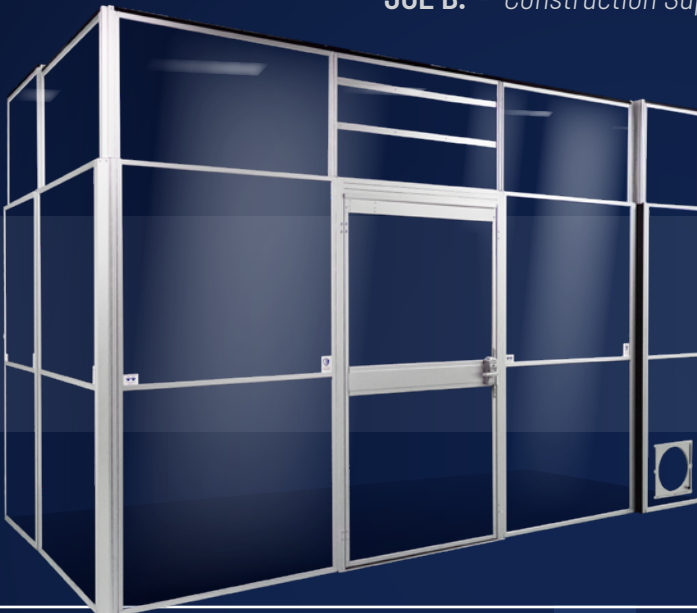
Talk to your Sales Representative about your requirements for a Custom Built Solution

AG SHIELD
PANEL ACCESSORIES

Windows

The window kit (AGSHIELD-WK) can be installed on a panel or door before or after the wall is built. It can be installed on any 2, 3 or 4-foot panel or door in the upper panel area. Simply cut out a rectangle that is 19" x 25" in the desired location. The kit includes the clear window pane, a frame, a template and all installation hardware.

Wall Seals

Wall seals can be used to create a small extension to fill gaps between an existing wall and the AIRE GUARDIAN® SHIELD wall. Drywall adapters can be used to attach a section of drywall to the panel system to accommodate non-plomb walls or other obstructions such as handrails.

Corners

The flexible hinged universal corner has a maximum swing to 150° sweep outward and 105° sweep inward. When used as an inside corner it changes the path inwards towards the containment area and decreases the containment area. When used as an outside corner it changes the path outwards away from the containment area and increases the containment area. The fixed inside corner changes the wall path 90°. T-Connections create an intersection in a wall allowing you to T-off that wall 90° with another panel either outward or inward. All Corners and T-Connections are height adjustable from 7 ft to 10 ft 3".

AGSHIELD-WK

AGSHIELD-WSED

AGSHIELD-TO

Fixed Corners

AGSHIELD-TI

Universal Hinged Corners

ACCESSORY LISTINGS

PANEL CORNERS	MIN / MAX HEIGHT	WEIGHT (lbs)	PART NUMBER
Corner, Fixed 90° Inside	84" / 123"	14	AGSHIELD-CFI
Corner, Hinged Universal	84" / 123"	18	AGSHIELD-CHU
T-Connection Outward	84" / 123"	14	AGSHIELD-TI
T-Connection Inward	84" / 123"	14	AGSHIELD-TO

OTHER ACCESSORIES	PART NUMBER
Window Kit	AGSHIELD-WK
Wall Seal 3" Extended, Metal with Foam – L & R	AGSHIELD-WSE3
Wall Seal Kit, Extended – For Drywall	AGSHIELD-WSED

AG SHIELD
HARDWARE AND CONNECTORS

All necessary connectors are included with panels.
Additional connectors can be purchased using the part numbers listed below.

Panel Brackets (Upper and Lower)

Panel Brackets connect two panels together

Panel Clamps

Panel clamps close spaces between components which may arise due to sloped floors or corners. Panel clamps can be installed inside of the lower panels or outside of the upper panels.

Ceiling Brackets

Ceiling brackets attach the panels and doors to the suspended ceiling grid.

Shims

Use the appropriate number of shims to fill in gaps under the upper panel bracket

Transport Cart

The transport cart fits through standard doors and has four swivel wheels for easy handling. Panels are secured with ratchet straps. The large side of the cart can carry up to a total of 8 panels of any size but no more than 4 doors at a time. The small side can carry up to 3 one-foot or two-foot panels. Great for storage between projects. (The transport cart must be assembled)

AGSHIELD-CART2

ACCESSORY LISTINGS

HARDWARE AND CONNECTORS	PART NUMBER
Panel Brackets - Upper and Lower, 10/PK ea.	AGSHIELD-HWPB10
Panel Clamps, 10/PK	AGSHIELD-HWPC10
Ceiling Brackets, 10/PK	AGSHIELD-HWCG10
Shims, 30/PK	AGSHIELD-HWS30
Panel Brackets with Floor Mount	AGSHIELD-HWFB10
Drywall Ceiling Brackets	AGSHIELD-HWCD10
Transport Cart	AGSHIELD-CART2

AGSHIELD-HWCG10   AGSHIELD-HWPC10   AGSHIELD-HWFB10   AGSHIELD-HWCD10   AGSHIELD-HWS30

STANDARD PANELS	WIDTH	MIN / MAX HEIGHT	DIMENSIONS	PART NUMBER
12" Panel	12"	84" / 123"	12"W x 84"T x 2"D	AGSHIELD-P12WK
24" Panel	24"	84" / 123"	24"W x 84"T x 2"D	AGSHIELD-P24WK
36" Panel	36"	84" / 123"	36"W x 84"T x 2"D	AGSHIELD-P36WK
48" Panel	48"	84" / 123"	48"W x 84"T x 2"D	AGSHIELD-P48WK
24" Panel, White with Exhaust Port	24"	84" / 123"	24"W x 84"T x 2"D	AGSHIELD-EP24W

DOOR PANELS	TYPE	DETAILS	PART NUMBER
44" Hinged Door	Universal Swing	In a 48" panel, key locking lever handle set and door closer	AGSHIELD-D44WK
44" Hinged Door	Universal Swing	In a 48" panel, electronic keypad and door closer	AGSHIELD-D44WPK
32" Hinged Door	Universal Swing	In a 36" panel, key locking lever handle set and door closer	AGSHIELD-D32WK
32" Hinged Door	Universal Swing	In a 36" panel, electronic keypad and door closer	AGSHIELD-D32WPK
42" Sliding Door	Sliding	Self Closing, 42" Sliding Door in a 48" White Panel	AGSHIELD-DS42WK

PANEL CORNERS	WEIGHT	DIMENSIONS	PART NUMBER
Corner, Fixed 90° Inside	14	123" / 84"	AGSHIELD-CFI
Corner, Hinged Universal	18	123" / 84"	AGSHIELD-CHU
T-Connection Outward	14	123" / 84"	AGSHIELD-TO
T-Connection Inward	14	123" / 84"	AGSHIELD-TI

EXHAUST SYSTEM INDIVIDUAL COMPONENTS	COLLAR SIZE	DIMENSIONS	PART NUMBER
Exhaust Kit, 2 Frames with Security Plate and Plastic Knob	-	16.5"W x 16.5"T x 2"D	AGSHIELD-EXK
8" Exhaust Plate	8"	15"W x 15"T x 3"D	AGSHIELD-EX08
10" Exhaust Plate	10"	15"W x 15"T x 3"D	AGSHIELD-EX10
12" Exhaust Plate	12"	15"W x 15"T x 3"D	AGSHIELD-EX12
Exhaust / Intake Plate with Diffuser and 2" Pleated Filter	-	20"W x 20"T x 3"D	AGSHIELD-EXD

PRESSURE MONITOR HANGER	MONITOR	PART NUMBER
Portable Pressure Monitor	PPM3-S	AGSHIELD-HWPM1
Wall Mounted Pressure Monitor	RPM-RT1 / RPM-RT2	AGSHIELD-HWPM2

HARDWARE AND CONNECTORS	PART NUMBER	OTHER ACCESSORIES	PART NUMBER
Panel Clamps, 10/PK	AGSHIELD-HWPC10	Window Kit	AGSHIELD-WK
Ceiling Brackets, 10/PK	AGSHIELD-HWCG10	Wall Seal 3" Extended, Metal with Foam - L & R	AGSHIELD-WSE3
Shims, 30/PK	AGSHIELD-HWS30	Wall Seal Kit, Extended - For Drywall	AGSHIELD-WSED
Panel Brackets with Floor Mount	AGSHIELD-HWFB10	Transport Cart	AGSHIELD-CART2
Drywall Ceiling Brackets	AGSHIELD-HWCD10	Closed Cell Gasket, 8ft length	TAPE46
Panel Brackets - Upper and Lower, 10/PK	AGSHIELD-HWPB10		

WHO WE ARE

Infection control and reducing healthcare associated infections (HAI's) have become a central concern in hospital construction environments. Our passion is clean air and we have been designing and manufacturing equipment for healthcare facilities for over 30 years. Our vast portfolio of Abatement Branded products includes; negative air machines, air scrubbers, patient isolation systems, pressure differential monitors, and mobile containment carts to name just a few. The development of the AIRE GUARDIAN® Shield was a natural extension of our desire to help control dust and the potential release of airborne pathogens into the air in critical care environments, posing a risk to patients, staff and visitors.

We are dedicated to providing the best in customer service and technical support for all of our products. Let us help you with all of your construction containment needs.

*Products shown are not to scale. Visit the website for more details.

Part Numbers: 1) Consummable Supplies   2) BD2KM/A   3) HC800FD/UV   4) HC500CD   5) RAM3000DBL   6) AT250RS   7) RAM1000   8) RAM1000LP   9) PRED750   10) AG8000   11) PAS750   12) AGSHIELD-CART2

ABATEMENT TECHNOLOGIES®

For more than 30 years companies around the world have relied on Abatement Technologies for HEPA filtration systems and other indoor air quality products with industry-leading quality, performance and reliability.

Our experienced and professional staff are dedicated to providing exceptional customer service and technical support.

Knowledgeable sales representatives can help you select the right equipment for your specific application.

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