Omni Containment Systems, LLC

1. Product Name

- Access Armor™ Duct Access Door

2. Manufacturer

Omni Containment Systems, LLC
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3. Product Description

Basic Use

Access Armor is a duct access door designed for easy install, removal for inspection and maintenance free re-installation of commercial exhaust duct doors. Access Armor Doors are available for high heat food processing ducts or commercial HVAC systems. The objective of the Access Armor Doors is for easy install and use. All components are mechanically integrated together to prevent the loss of components. Basic use is to provide an access door in commercial ductwork for the purpose of inspection and dealing with grease, dust, and potential fire hazards.

Composition and Materials

Panel

Access Armor's main panel construction is an 11 gauge, high-grade 304 stainless steel plate. The 11 gauge stainless steel panel is laser cut to exact dimensions that meet or exceed any existing requirement for access doors.

Dual Gasket System

Two gaskets are used with grease or restaurant applications. The first gasket is a neoprene, compressed, black-out seal that compresses between the door and ductwork, creating an air tight seal eliminating vacuum or air leak issues.

The second, outer ceramic fire gasket, rated at 2300 degrees F, is for the prevention of fire transfer into the duct beyond the general path of the existing duct system.

Benefits

- Models available for commercial HVAC as well as restaurant applications
- Made in the USA with high grade 304 stainless steel
- Easiest access door on the market to install and operate
- Patented cam-lock design eliminates misplacing fastening hardware
- Exceeds NFPA heat and material thickness requirements
- This product is listed to applicable UL Standards and requirements by UL
- 2300 degree fire rating
- Available in several sizes

Models/Sizes

- **AA9x12UL**: 9 × 12 inches (octagon) stainless UL rated access panel
- **AA12x15UL**: 12 × 15 inches (octagon) stainless UL rated access panel
- **AA15x18UL**: 15 × 18 inches (octagon) stainless UL rated access panel
- **AA23x23UL**: 23 × 23 inches (octagon) stainless UL rated access panel
- **AA9x36UL:** 9 × 36 inches (octagon) stainless UL rated scraper panel, provides additional room for scraping solid fats, oils and grease, (FOG), off the inside of ductwork
- **AA Fire Hold Shield**: Access Armor fire wrap hold down shield

Custom sizes/designs are also available. Please contact Omni Containment Systems, LLC for more information.

Finish

Uncoated stainless steel.

Cam-lock details

Features

1. NFPA-96 Compliant.
2. Will function without any tools (other than cutting of duct for initial installation). All components, fasteners, gaskets, handle, are integrated into the door design meaning no loose hardware or components to misplace or lose during service work in confined or low visibility situations.
3. Dual Gaskets: One outer ceramic filter high temp 2300 degree F gasket is laid next to the inner neoprene seal which makes the bond air/liquid tight as well as maintains air pressure in the duct system.
4. Two doors are available: the first option, the grease fire door, incorporates two gaskets, the outer ceramic filter, high heat gasket, and the inner neoprene rubber, air-liquid gasket or grease seal.
   The second option is mechanically the same with exception of having only one large neoprene rubber seal. This design is primarily for the commercial HVAC industry where airflow containment is the main objective. Not where containment of flammable grease on such is meant to be contained in the duct.
5. Access Armor Fire Hold Down Shield is a patented concept that incorporates a 6 inch threaded rod that screws into the head of the knurled fastening knobs. These rods have been pre-machined to break off at increments of one inch spacing for the desired thickness of the insulation which is to be reattached to the area where the access door has been installed. Also integrated into this configuration is a hold down "shield" or washer with a wing nut to set the proper tension of the insulation being re-attached. (This insulation hold down feature is available for both the grease duct door design and commercial HVAC model.)

Accessories/Options

Access Armor Fire Hold Down Shield: Omni's fire wrap hold down system is designed to take the hassle out of fire wrap covered access points. The threaded rods in the access armor fire

wrap hold down system attach directly to the threaded knobs of the access armor panels. The rods are designed and notched to be trimmed at 1 inch intervals allowing for perfect adjustment for different thicknesses of fire wrap. Simply punch the rods through fire wrap trimmed to the shape of the access panel, secure it in place with the hold down shields and you will no longer have to re-wrap ducts each time you access the duct for inspection and cleaning.

4. Technical Data

Applicable Standards

UL Certification Files (US and Canada)

- **YYXS.MH49912** (US)
- **YYXS7.MH49912** (Canada)

Environmental Considerations

May help contribute to LEED certification.

Firespread/Smoke Performance

Prevents all smoke and fire up to 2700 degrees F.

5. Installation

Preparatory work

Pre-Installation: make sure there are no obstructions that will be in the way of the mounting area on the duct such as electric boxes, conduits, brackets, etc.

Methods

1. Remove backing from the supplied template and place on duct in desired location.
2. Closely cut duct around the perimeter of template and remove portion of duct. Recommended: using a small jig-saw blade #30076 or conventional sheet metal nibbler.
3. Center and place Access Armor Duct Door into opening, being sure that all D-ring fasteners are in the "open"/ counter-clockwise position.

Note: De-burring perimeter of cut opening is recommended to ensure proper fitting for access door and to reduce risk of injury.

4. Once in place, turn fasteners clockwise to compress Access Armor Door to duct, creating an air tight seal.

Precautions (Performance, Safety)

Always wear safety gloves and eye protection.

6. Availability and Cost

Availability

Standard sizes always in stock. Seven-day turn around on custom sizes/designs.

Cost

Please contact Omni Containment Systems, LLC for pricing.

7. Warranty

Omni Containment Systems, LLC warrants its Grease Gutter™ line of roof top grease containment systems, exhaust fan SuperHinge™ hinging systems, Access Armor Hood Access Panels and Roof Guardian™ Rooftop Protection System to be free of defects in manufacturing and workmanship for the service life of the ventilator on which it was originally installed. To register an Omni product for warranty, simply fill out this document and return to the address located at the bottom of the warranty document. Abuses; misuse, misapplication; failure to maintain the product in accordance with manufacturer's standard, changes, alternations or maintenance by anyone other than manufacturer approved persons; and failure to use genuine Omni Containment Systems, LLC filters will void the warranty.

Omni will repair or replace at its option any Grease Gutter or SuperHinge system returned to it, and confirmed to be defective, during the warranty period. Warranty covers replacement of product only. Customer is responsible for labor, de-installation and return transportation. Omni's liability shall not exceed the purchase price paid to Omni for the system.

To begin a Warranty Claim, contact Omni Containment Systems, LLC, at 1-800-226-6824. Minimum maintenance specifications can be obtained by calling Omni Containment Systems, LLC, but at least one new Fill-More Grease Boom™ change a year.

These remedies and warranties are exclusive of all others. All implied warranties of merchantability and fitness for purpose are excluded.

8. Maintenance

Gaskets should be checked at least once a month, more often with heavier grease usage.

Gasket replacement may be necessary depending on usage, weather conditions and environmental/mechanical exposures. Please contact Omni Containment Systems, LLC for maintenance guidance.

9. Technical Services

Contact Omni Containment Systems, LLC at 847-468-1772 or email support@omnicontainment.com.

10. Filing Systems

- Additional product information is available from the manufacturer upon request ↩

Fire Hold Down Shield