

866.704.OMNI SALES@OMNI-SUPPLY.COM WWW.OMNI-SUPPLY.COM 1501 COMMERCE DRIVE ELGIN, IL 60123

96 COMPLIANT

EPA COMPLIANT







Stop Using Old Technology That Hides Grease Under Layers of Filters That Sit On Your Roof



Grease Containment System & Filters

Replacement absorbent grease filter systems for roof mount grease containment products.

Use The Roof Guardian™ in applications where a Grease Gutter™ won't work.

The Roof Guardian™ has a state of the art five layered grease filtration system to help keep your roof grease free.

## The Roof Guardian can be configured for multiple applications









Side Mount Kits available for even more versatility and Off The Roof Protection







Replacement filters available in all sizes to accommodate ANY BRAND of roof mounted ventilator grease containment systems. The Roof Guardian Grease Filter System can be used in any Grease Guard® Roof Defense System®. Omni will honor the MFG Warranty when using Roof Guardian Filters.

# **5 Layers of Protection**

The porous top layer filter helps grease disperse evenly to the lower filter levels.

2nd layer of hydrophobic material, catches & absorbs grease, yet allows water through.

The 3rd, plastic backed, absorbent layer adds Extra rooftop protection.

The 4th layer, the same material as the top layer, keeps grease saturated filters off the roof. The 5th layer of protection is a fire barrier rated for continuous temperatures of 1000 degrees.

Güərdian W

Designed as a direct OEM replacement for the Drip Guard® Roof Defense System®. When replaced at regularly scheduled service intervals, Omni Containment Systems will match the Drip Guard's original warranty.

Advanced Universal Replacement Filters

6 Layers

Blue disbursement layer made with UL listed material

1 barrier sorbent layer & 5 dedicated sorbent layers
that absorb up to 8 times their weight in F.O.G.

Try Our Other Great Grease Containment Products,











































# Roof Guardian<sup>TM</sup> Spec-Data Document





#### 1. Product Name

■ Roof Guardian™

#### 2. Manufacturer

Omni Containment Systems, LLC 1501 Commerce Drive Elgin, Illinois 60123 Phone: 847-468-1772

E-mail: sales@omnicontainment.com www.omnicontainment.com

## 3. Product Description

The Roof Guardian is a system that is intended to sit on the roof via four corner legs with multiple support legs in the center and provides a 360 degree protection around the exhaust fan. This system sits two inches off the rooftop to allow inspection of the roof between service intervals. The system uses an aluminum frame with additional aluminum hold down rods to hold the multi-layered fire/grease barrier system.

#### **Basic Use**

The Roof Guardian is used in conjunction with rooftop fan ventilation systems to collect grease as it accumulates on and around the fan system during normal usage. This product is used where the OEM Fan grease receptacles and other aftermarket rooftop grease containment systems do not provide sufficient grease and fire protection. Part of the Roof Guardian grease containment system is the multi-layered grease filtration system which helps keep roofs free of grease.

#### **Composition and Materials**

The Roof Guardian frame is composed of aluminum. The filter is composed of five layers: (see photo on page 2)

- The top layer is absorbent media with UV-resistant properties to disperse FOGs evenly to the absorbent second and third layers
- The second layer layers consists of a hydrophobic material that absorbs FOGs while allowing water to run through
- The third layer is an extra absorbent Air Matrix™ polypropylene backed layer





- The fourth layer is the same material as the top layer
- The fifth layer is an acrylic-coated, fiberglass woven fireshield layer, Hytex® 1000-2025 Prremium WL

#### **Benefits**

- The Roof Guardian helps to keep fats, oils and grease, (FOG), off of roofs
- The Roof Guardian also helps keep FOG from contaminating rooftop water runoff
- It provides off-the-roof protection which makes preventative maintenance much easier
- The Roof Guardian is fire-resistant and assists an exhaust system in attaining NFPA 96 compliance; provided all other components of the system are compliant and correctly installed

Note: benefits provided that system is properly maintained and all other components are compliant and correctly installed.

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# Roof Guardian<sup>TM</sup> Spec-Data Document



#### **Dimensions**

The Roof Guardian is four inches tall with two inches of rooftop clearance with a standard square platform size of 48, 60 or 72 inches.

Omni Containment Systems also makes custom-sized Roof Guardian Grease Containment Systems to fit almost any application.

#### **Product Limitations**

If the product cannot be installed to manufacturer specification as defined in the manufacturer's installation documents, the unit should not be utilized.

#### 4. Technical Data

#### **Applicable Standards**

The Roof Guardian system provides grease protection at the base of a rooftop exhaust fan. Because the patented filter neutralizes FOGs and converts it into a solid, the system will not exceed one liquid gallon of grease, which is a requirement of NFPA 96. When the Roof Guardian and its absorbent media are used together and all other components of the system are compliant and correctly installed, the Roof Guardian and filter aid in a NFPA 96 compliant exhaust system.

#### **Environmental Considerations**

May assist in LEED points.

## 5. Installation

#### **Preparatory work**

Measurement of duct and potential obstructions for proper product fitment.

Assure that installation area is free of any FOGs.

#### Methods

Install by following exact manufacturer-supplied instructions.

#### **Precautions**

Eye protection and work gloves are required during installation and service of system.

#### **Installation Instructions**

- Attach the two angled pieces with the legs with the two angled pieces that do not have legs to form the perimeter of the box. Use the supplied ½ inch nut/bolt/washers combination to attach them. Place the box in the desired position around the fan and then bolt the final corner together.
- 2. Situate the flat stock around the fan so that there are no obstacles in the way and they are in a position to hold the filters. Using a ½ inch drill bit, *not supplied*, drill a hole into the bottom of the angled pieces so that the flat stock will attach. Use the supplied ½ inch nut/bolt/washer combination to fasten lower arms to the angled stock.
- 3. Next, systemically attach the supplied leg supports at junctions of the flat stock.
- 4. Install Filter:
  - a. First, lay down the fireshield layer.
  - b. Next, put down a layer of blue filters.
  - c. Install white filter sets, plastic-backed filters first with plastic side down.
  - d. Then lay down the quilted, white non-plastic backed absorbent, hydrophobic layer.
  - e. Finish with another set of blue filters.
  - f. Cut filter material however it needs to be cut in order for it to fit around any obstructions and fan itself. Use the cutout material doubled-up on any of the extra white non-plastic backed filter in the area that is dispensing the most grease. Using the pre-drilled holes, place the metal rods in the angled aluminum with the  $\frac{1}{4}$  inch drill bit in order to place metal rods through all four sides so that the rods crisscross and hold the filter media in place.

#### **Delivery, Storage and Handling**

- Shipped via preferred shipping company directly from vendor
- No shelf life
- Shipped disassembled and boxed

## 6. Availability and Cost

#### **Availability**

Standard sizes are always in stock. Please contact manufacturer for lead times on custom engineered models.

#### Cost

Please contact manufacturer regarding pricing.

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# Roof Guardian Tm Spec-Data Document



Side mount kits available

## 7. Warranty

Roof Guardian is warranted for the service life of the ventilator for which system was originally installed on. Misuse/improper maintenance voids warranty.

Omni Containment, Inc. will replace failed component(s) with new component(s) at the discretion of manufacturer.

## 8. Maintenance

Manufacturer recommends servicing system every 90 days or more frequently as determined by FOG output. Heavily soiled filters should be changed by qualified service professional. Contact manufacturer for names of professionals in your area.

## 9. Technical Services

Contact Omni Containment Systems at:

■ Phone: 847-468-1772

■ Email: support@omnicontainment.com.

## 10. Filing Systems

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

www.omni-supply.com





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Defend Your Rooftop From Grease With



Stop Using Old Technology That Hides Grease Under Layers of Filters That Sit On Your Roof

Until Grease Gutter, rooftop grease control products were too difficult to service and proper maintenance was discouraged. Grease Gutter is your SIMPLE SOLUTION!

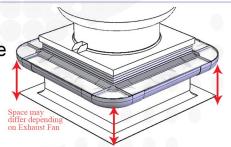
Use The High Capacity Grease Gutter 360° duct design for use in high grease discharge applications.



Use The Grease Gutter Sidekick Single sided design for applications where the other Grease Gutter units won't fit.



- Easy to replace one piece replacement absorbant\*
- Mounts up OFF THE ROOF to avoid hidden contact damage
- Compact design doesn't interfere with service providers
- Economical to purchase and maintain
- Made in the USA with UL Approved Materials





Easy to work with Grease Gutter Absorbant. 100% grease saturation, so no wasted material. UV Resistant and 100% Biodegradable.



Try Our Other Great Grease Containment Products,











































# Grease Gutter<sup>TM</sup> Spec-Data Document





#### 1. Product Name

- Grease Gutter High Capacity
- Grease Gutter SideKick

## 2. Manufacturer

Omni Containment Systems, LLC 1501 Commerce Place Elgin, Illinois 60123 Phone: 847-468-1772

E-mail: sales@omnicontainment.com www.omnicontainment.com







Grease Gutter SideKick

## 3. Product Description

#### **Basic Use**

The patented Grease Gutter High Capacity and Grease Gutter SideKick Containment Systems are used in conjunction with rooftop fan ventilation systems to collect grease as it accumulates on and around the fan system during normal usage. They are intended to be installed on one side or multiple sides of the curb of an exhaust fan system. It has two variations:

- The Grease Gutter High Capacity Containment System is a 360 degree duct design for use in high grease discharge applications
- The Grease Gutter SideKick Containment System is a singlesided design for use in low to moderate grease discharge applications

Both systems are intended to replace the factory grease catch system provided during initial installation of a rooftop exhaust fan system and is essentially a gutter configuration with filter media (described in further detail below).

The Grease Gutter Filter is a patented hydrophobic grease collection media required to be inserted inside either Grease Gutter Containment System. It is designed to both collect and wick F.O.G.s while expelling water as it sits in the gutter assembly.

The sleeve of the filter is a flame-resistant and UV-resistant

polyester material which allows grease and water to pass through to the absorbent component of the filter. This inner media of the filter is made of 100 percent recycled hydrophobic materials and biodegradable grease neutralizers which pass 99.99 percent of the water applied while collecting 99.99 percent of the F.O.G.s that it comes in contact with.

The Filter Media can absorb up to ten times its weight in F.O.G. and is effective for up to one year. See this video.

The Grease Gutter High Capacity Containment System provides 360 degree protection around the base of a rooftop exhaust fan and is a key component in an exhaust system being NFPA96 compliant; providing all other components of the system are compliant and correctly installed.

#### **Composition and Materials**

Both the Grease Gutter High Capacity and Grease Gutter SideKick Containment Systems are comprised of UV-resistant extruded PVC straight sections and injection molded UVresistant polypropylene corners and corner flashings. Both use galvanized zinc fasteners.

The Grease Gutter Filter has an outer sleeve that is comprised of UV- and flame-resistant polyester skin. The interior of the filters contains a mixture of shredded polypropylene and polyethylene material with other proprietary F.O.G.-neutralizing additives.

#### **Benefits**

■ The Grease Gutter High Capacity Containment System provides 360 degree protection around the base of rooftop exhaust fan units

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# Grease Gutter<sup>TM</sup> Spec-Data Document



SideKick Filter



**High Capacity Filter** 

- The Grease Gutter High Capacity and Grease Gutter SideKick Containment Systems provide Off The Roof® protection that allows owners and preventative maintenance providers to visually see and easily clean under the unit without damage to the filter systems
- Both the Grease Gutter High Capacity and Grease Gutter SideKick Containment Systems are fire-resistant and assist an exhaust system in attaining NFPA 96 compliance; provided all other components of the system are compliant and correctly installed
- If properly maintained, both the Grease Gutter High Capacity and Grease Gutter SideKick Containment Systems help restaurants meet EPA Storm Water Management requirements by keeping F.O.G.s from contaminating rooftop runoff water before it enters the storm water system; check with your local AHJ for specific requirements, regulations, rules, and ordinances

#### Models

- Grease Gutter High Capacity Containment System: 360 degree grease containment system
- Grease Gutter SideKick Containment System: one-sided grease containment system

## Dimensions ( $W \times L \times H$ , in inches)

Grease Gutter High Capacity: standard size fits a 36 inch square exhaust fan. Each side is  $8 \times 36 \times 6$  inches.

Grease Gutter SideKick: standard size is  $8 \times 24 \times 6$  inches.

Omni Containment Systems also manufactures custom-sizes to fit virtually any application. This includes one-, two-, or three-sided grease containment solutions.

#### Accessories

- High Capacity Filters: replaceable F.O.G.-absorbent filter for the Grease Gutter High Capacity system
- SideKick Filter: replaceable F.O.G.-absorbent filter for the Grease Gutter SideKick system

#### **Product Limitations**

- If the product cannot be installed to manufacturer specification as defined in the manufacturer's installation documents, the unit should not be utilized
- If the unit cannot maintained per the manufacturer specifications, the unit should not be installed
- In order to properly install, an exhaust fan must have at least six inches of curb height and a clearance around each applicable side of the curb of at least eight inches to allow for the width of the Grease Gutter

#### 4. Technical Data

The Grease Gutter Containment Systems provide grease protection at the base of a rooftop exhaust fan. Because the patented filter neutralizes the F.O.G.s and converts it into a solid, the Containment System will not exceed one liquid gallon of grease, which is a requirement of NFPA 96. When the Containment System and Filter are used together and all other components of the system are compliant and correctly installed, the Grease Gutter and filter aid in a NFPA 96 compliant exhaust system.

## 5. Installation **Preparatory Work**

- Measurement of duct and potential obstructions for proper product fit
- Make sure installation area is free of any F.O.G.s that are
- 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.; check to be sure that the power supply conduit is in good condition and has adequate length for the fan to be tilted

#### Methods

Install by following supplied instructions or watching website provided installation video using basic hand tools. Installation video here.

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# Grease Gutter<sup>TM</sup> Spec-Data Document

#### **Precautions (Performance, Safety)**

Eye protection, work gloves are necessary during installation and service of system.

#### **Installation Instructions**

1. Turn off power to fan (if needed). Degrease perimeter of duct where unit will be mounted. Measure all four sides of the duct and cut main trough lengths as shown in installation instructions.

**Example:** If dimension is 30 inches, cut trough to 29<sup>3</sup>/<sub>4</sub> inches. Follow this procedure for remaining three sides of duct.

**Note:** In some low setting ventilator applications it may be necessary to trim the rear flashing of the troughs and corners using the provided casting marks as guides, to reduce the overall height profile.

- Apply a good coating of provided sealer on the back side of the Gutter where unit will make contact with duct. This seal between the system's flashing and the duct is very important for the purpose of preventing grease from seeping behind the system.
- 3. Position one of the lower corner pieces on the duct, making sure it is level and will not obstruct removal of fan for service, etc. Fasten the lower corner piece to the duct, as shown, using the supplied screws. For best results tuck gutter flashing up under the fan base if applicable. Slide the measured/cut section of the main trough into the receiving end of the mounted corner, stopping at the edge of the duct. When the trough is level, fasten it to the duct. Place a screw every two inches. Be sure to leave room on the open end for the next corner to slide on.
- 4. Install the next corner by sliding it behind the mounted trough. Fasten the corner the same way as in Step 3. Be sure to install an extra fastener through all the outer overlapped pieces.
- 5. Assemble the remaining two corners and three lengths to slide into the section that is already mounted to the duct (starting at the opposite end of the secured section will be the easiest). Complete the process by fastening the overlapped areas of the corners and troughs. Again, be sure to install an extra fastener to all overlapped pieces. There will be two fasteners per corner. These eight fasteners will add to the rigidity of the overall framework. For additional protection, once the unit is installed, you may caulk all gaps between gutter lengths and corners and drain holes on high discharge side of fan.

#### **Delivery, Storage and Handling**

Shipped via preferred shipping company directly from vendor. No shelf life. Shipped disassembled and boxed.

#### **Packaging Waste Requirements**

Proper disposal of contaminated absorbent pads from system recommended.

## 6. Availability and Cost

## **Availability**

Standard sizes are always in stock. Please contact manufacturer for lead times on custom engineered models.

#### Cost

Please contact manufacturer regarding pricing.

## 7. Warranty

Grease Gutter is warranted for the life of the fan. Misuse and/or improper maintenance/installation voids warranty.

Omni Containment, Inc. will replace failed component(s) with new component(s) at the discretion of manufacturer.

## 8. Maintenance

Manufacturer recommends servicing system every 90 days or more frequently as determined by F.O.G. output. Heavily soiled filters should be changed by qualified service professional. Contact Manufacturer for names of professionals in your area.

## 9. Technical Services

Contact Omni Containment System at 847-468-1772 or email support@omnicontainment.com.

## 10. Filing Systems

- CMD
- Additional product information is available from the manufacturer upon request ~



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Stop Using Old Technology That Hides Grease Under Layers of Filters That Sit On Your Roof





The UL pending Grease Box is designed with the facility management in mind and is cost effective, 100% weather proof and 100% wind proof. Manufactured from 22 gauge galvanized sheet metal.

Three Styles Available To Meet Your Individual Needs;



#### **Designed For Moderate Volume Grease Exhaust Fans**

- 3 Tiers with one of a kind patented Polypropylene Grease absorbent pillows.
- The 1st & 2nd Tier has the patented Even Water Flow Diverter
- The 3rd Tier has the patented Over Flow Walls



## **Designed For Low Volume Grease Exhaust Fans**

- 2 Tiers with one of a kind patented Polypropylene Grease absorbent pillows.
- The 1st has the patented Even Water Flow Diverter
- The 2nd Tier has the patented Over Flow Walls



#### **Designed For High Volume Grease Exhaust Fans**

- 3 Tiers with one of a kind patented Polypropylene Grease absorbent pillows.
- The 1st & 2nd Tier has the patented Even Water Flow Diverter
- The 3rd Tier has the patented Over Flow Walls



Our Box filters use the same tried and true technology as our Fill-More Grease Booms. These highly absorbent Box Filters are manufactured using 100% recycled Hydrophobic materials and biodegradable grease neutralizers. This means that they ONLY absorb exhaust fan grease discharge, not precipitation, making them extremely effective, as well as environmentally friendly.

Try Our Other Great Grease Containment Products,











































# Grease Box<sup>TM</sup> Spec-Data Document





#### 1. Product Name

The Grease Box™

#### 2. Manufacturer

Omni Containment Systems, LLC 1501 Commerce Drive Elgin, Illinois 60123

Phone: 847-468-1772 Fax: 847-931-3654

E-mail: sales@omnicontainment.com Web: www.omnicontainment.com

# 3. Product Description Basic Use

The Grease Box™ is designed to collect fats, oils, and grease in commercial and industrial kitchens' rooftop fans.

The collection process converts the FOG into a solid and traps it in the filtration system. This is a key component of an NFPA 96 Compliant exhaust system. It satisfies the following NFPA 96 8.1.1.3 standard:

8.1.1.3 Upblast fans shall have a drain directed to a readily accessible and visible grease receptacle not to exceed 3.8 L (1 gal).

After the FOG is converted, the hydrophobic filter media allows water to flow through, aiding in EPA compliance.



The Grease Box™ comes in three different sizes to match the specific needs of a rooftop exhaust collection system. The Grease Box JrTM, a 13" wide 2-tier design, is for lower output systems. The Grease Box OriginalTM, a 13" wide 3-tier design, is for medium output. The Grease Box XtremeTM, a 22" wide 3-tier design, is for heavy output.

## Composition and MaterialsThe Grease Box™

All three designs of The Grease Box™ are manufactured from welded and riveted 24-gauge galvanized steel.

#### **Grease Box Filters**

The outer layer of the filter is a UV stable nylon skin. The inner layer of the filter media is made using a proprietary blend of 100% recycled hydrophobic materials and biodegradable grease neutralizers.

#### **Benefits**

- Made in the USA
- Available in three sizes Weather resistant
- Filter Media absorbs up to 8 times its weight in fats, oil, and grease



# Grease BoxTM Spec-Data Document

#### Models/Sizes

#### The Grease Box JrTM:

Designed for low volume grease exhaust fans. This model has 2 tiers of filter media. It measures 8.5" High, 13" Wide, and 5.5" Deep.

## The Grease Box OriginalTM:

Designed for moderate volume grease exhaust fans. This model has 3 tiers of the filter media. It measures 12.5" High, 13" Wide, and 5.5" Deep.

#### The Grease Box XtremeTM:

Designed for high volume grease exhaust fans. This model has 3 larger tiers filter media. It measures 14" High, 22" Wide, and 10" Deep.

#### **Finish**

Galvanized Steel.

#### **Features**

- Each Grease Box is made of weather resistant,
   22gauge galvanized steel
- 3. Utilizes highly absorbent, hydrophobic filter media that expels water while absorbing fats, oils and grease.
- 4. Three sizes of units are offered to fit everything from low output fans to high use commercial kitchen exhausts.
- 5. Multi-tiered design provides multiple layers of off-the-roof grease protection in one unit.

#### 4. Technical data

The Grease BoxTM converts the FOG into a solid and traps it in the filtration system. This is a key component of an NFPA 96 Compliant exhaust system. It satisfies the following NFPA 96 8.1.1.3 standard:

8.1.1.3 Upblast fans shall have a drain directed to a readily accessible and visible grease receptacle not to exceed 3.8 L (1 gal).

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#### 5. Installation

- 1a. Turn off the power supply at breaker box. Make sure that the area you wish to mount The Grease Box is clear of obstructions that would not allow for the opening, removal and maintenance of the filtration tiers.
- 1b. Remove filtration tiers from The Grease Box for easier handling and mounting.
- 2. Liberally caulk the back (fan side) of The Grease Box to prevent leakage behind the unit.
- 3a. Line up center of The Grease Box with fan spout and with the top of The Grease Box 's mounting tap placed just under the fan base lip. Make sure the box is level.
- 3b. Screw The Grease Box into place using the supplied screws
- 4. If filtration tiers were removed for mounting, place them back into The Grease Box and close the latch filtration tier access door.

NOTE: If fixed obstructions hinder the opening, removal and maintenance of the filtration tiers, you will have to un-mount The Grease Box to properly access the filtration tiers.

#### 6. Availability and Cost

## Availability

Standard sizes always in stock.

#### Cost

Please contact Omni Containment Systems, LLC for pricing.



# Grease Box<sup>TM</sup> Spec-Data Document

## 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. 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 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 to get a warranty document. Minimum maintenance specifications can be obtained by calling Omni Containment Systems, LLC, but at least one new Fill-More Grease Boom™ change a year.

#### 8. Maintenance

Maintenance includes regularly scheduled replacement of grease box filters. Service schedule is dependent upon fan output. Grease box filters should be checked at least once a month, more often with heavier grease usage. Please contact Omni Containment Systems, LLC for additional maintenance quidance.

#### 9. Technical Services

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

## 10. Filing Systems

Additional Product information is available from the manufacturer upon request

