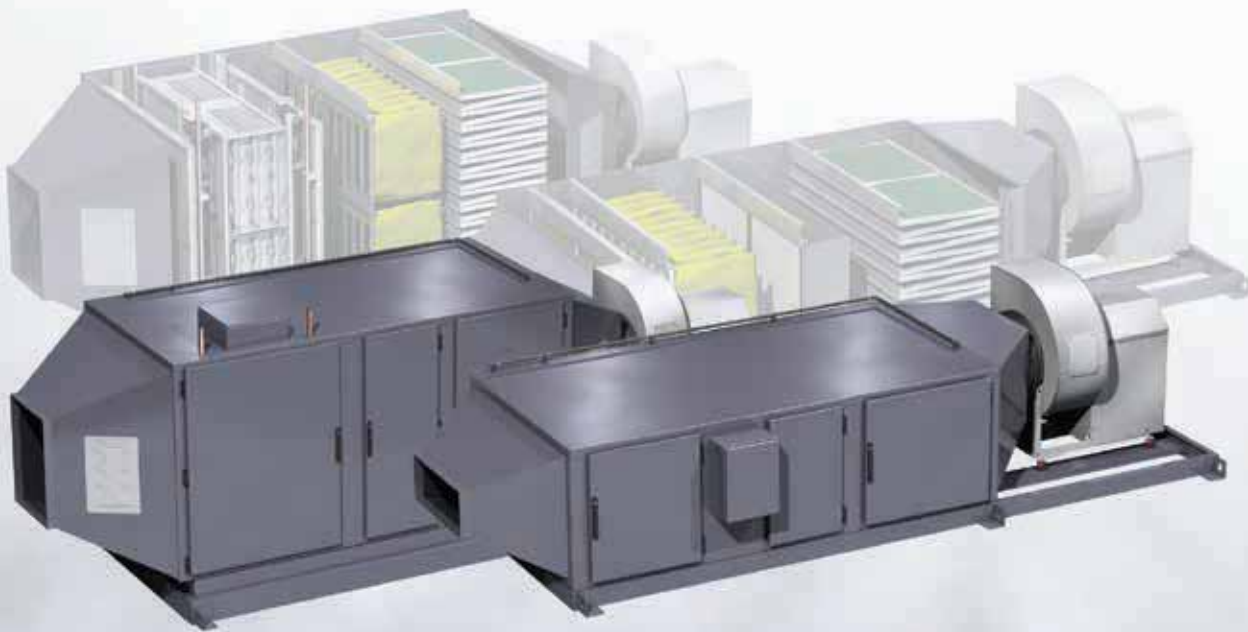


# Engineered Kitchen Ventilation Systems Grease Grabber™ Pollution Control Units



BUILDING VALUE IN AIR.



August  
2011

**We are your single source for efficient, well-integrated kitchen ventilation systems.**

- Kitchen Hoods
- Industry-Leading Grease Filtration
- Fire Suppression Systems
- Energy Management Controls
- Utility Distribution Systems
- Air Supply Plenums
- Pollution Control Units for Grease and Odor
- Exhaust Fans
- Make-Up Air Units
- Packaged Rooftop Units



**Enjoy Greenheck's extraordinary service, before, during and after the sale.**



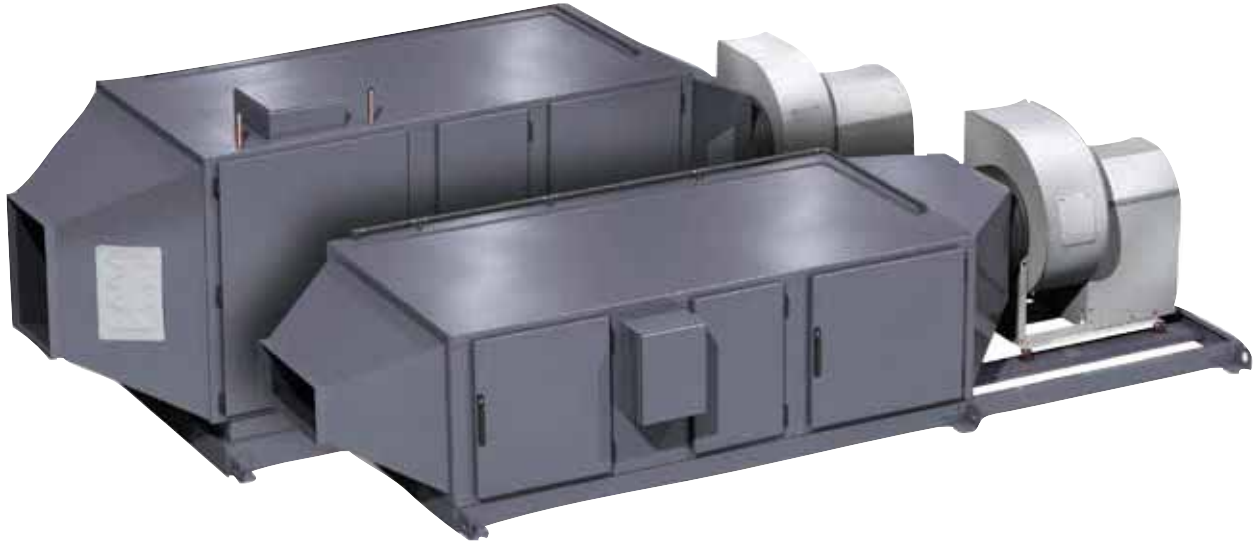
Greenheck offers added value to our wide selection of top performing, energy-efficient products by providing several unique Greenheck service programs.

- Our **Quick Delivery** Program ensures shipment of our in-stock products within 24 hours of placing your order. Our **Quick Build** made-to-order products can be produced in 1-3-5-10-15- or 25 day production cycles, depending upon their complexity.
- Greenheck's free **Computer Aided Product Selection** program (CAPS), rated by many as the best in the industry, helps you conveniently and efficiently select the right products for the challenge at hand.
- Greenheck has been **Green** for a long time! Our energy-saving products and ongoing corporate commitment to sustainability can help you qualify for LEED credits.
- Our **3D service** allows you to download at no charge lightweight, easy-to-use AutoDesk™ Revit™ 3D drawings for many of our ventilation products.

Find out more about these special Greenheck services at [greenheck.com](http://greenheck.com)

Even the best kitchen hood grease filters may need a little backup as no mechanical hood filter is 100% efficient at removing all forms of grease.

- Grease vapor and odors are not removed
- Odors may cause neighbor complaints
- Local ordinances/codes may require additional filtration and/or odor control



## Make a play against grease and odor!

Greenheck’s Grease Grabber™ Triple Play and Power Play products are specifically designed to eliminate both smoke and grease particles from your kitchen exhaust system, and odor control modules eliminate or reduce odors.

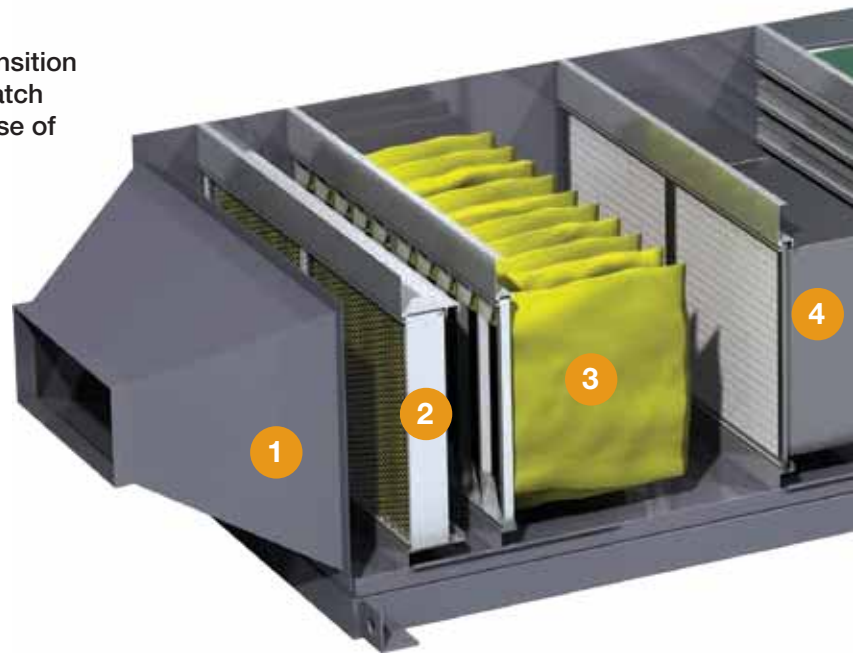
High efficiency filtration at the hood, like the Grease Grabber dual stage filtration system, is important. Capturing a greater percentage of grease at the hood will significantly reduce costs associated with pollution control unit maintenance. For more information on Greenheck’s hood filtration options, please refer to [www.greenheck.com](http://www.greenheck.com).

## Features and Benefits

Feature	Benefit
Continuously welded single piece construction on a common mounting rail	Makes installation fast and easy
Thermo-set powder painted inside/outside	Enhanced corrosion protection and sustainability
Fan motors and drives are mounted outside of the airstream, per NFPA 96	Eliminates fan motor and drive exposure to grease
Uniquely bonded activated carbon filters	Effective removal of cooking odors
Choice of Amerex or Ansul fire systems	Fully pre-piped fire protection system

The Grease Grabber Triple Play uses a 3-stage mechanical filter arrangement to clean grease and smoke particles from the exhaust air at a low up front cost. Independent pressure switches signal when any of the 3 filter stages need replacing, taking the guess work out of maintaining the equipment. The Grease Grabber Triple Play incorporates activated carbon panels to remove odor molecules prior to discharging the air, reducing the impact of kitchen exhaust to the surroundings.

- 1** Factory inlet transition fabricated to match ductwork for ease of installation
- 2** MERV 8 pre-filter removes large particles from the incoming airstream to protect high efficiency filters and minimize maintenance
- 3** MERV 14 high capacity bag filter removes a large percentage of smaller particles not captured by the pre-filter



Metal framed filters in extruded aluminum and gasketed tracks prevents air from bypassing the filters.



Internal pressure switches monitor each individual filter stage. A remote filter status indicator panel advises maintenance staff when each filter stage requires replacement.

Built in accordance with NFPA 96



ANSI/UL 867 Listed

### Optional Items

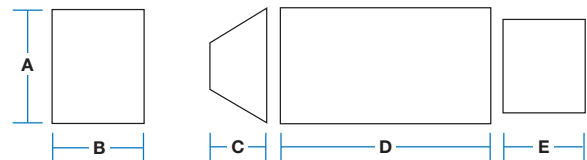
- MERV 17 HEPA filters are available for efficiencies greater than 95%.
- Potassium permanganate and other impregnates are available for code compliance and/or to deal with specific odors.
- Greenheck inline fan options are available to fit specific job needs.
- Unit can be constructed in multiple sections for field assembly, if required.



**4** MERV 16 rigid final filter ensures a minimum overall particulate removal efficiency of 95%

**5** Bonded activated carbon filters reduce cooking odors with a generous application of 95 lbs. of carbon per 1000 cfm of exhaust to maximize performance and minimize maintenance.

**6** Greenheck's utility set fan with motor and drive mounted outside of the airstream per NFPA 96. Factory provided high temperature flex fabric transition.



### Dimensional Information

Model GPBRC	Max Air Volume <sup>1</sup> (cfm)	Height (inches) A	Width <sup>2</sup> (inches) B	Inlet Transition <sup>3</sup> (inches) C	Unit Length (inches) D	Outlet Trans/Fan (inches) E	Unit Weight (pounds)
-10-10	2,000	34	26.3	18-26	98	52.3	1100
-10-20	4,000	34	50.0	18-26	98	57.8	1600
-10-30	6,000	34	73.7	18-26	98	71.5	2150
-20-20	8,000	58	50.0	18-26	98	72.0	2600
-20-30	12,000	58	73.7	18-26	98	77.8	3500
-20-40	16,000	58	97.4	18-26	98	99.1	4200
-30-30	18,000	82	73.7	18-26	98	78.0	4700
-30-40	24,000	82	97.4	18-26	98	84.1	5700
-40-40	32,000	109	97.4	18-26	98	98.4	7300
-40-50	40,000	109	121.5	18-26	98	104.4	8000

<sup>1</sup> Maximum air volume is based on 500 ft/min air velocity across the precipitator

<sup>2</sup> Lifting lugs for the unit add a nominal 4 inches to each side of the unit width

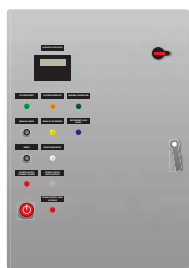
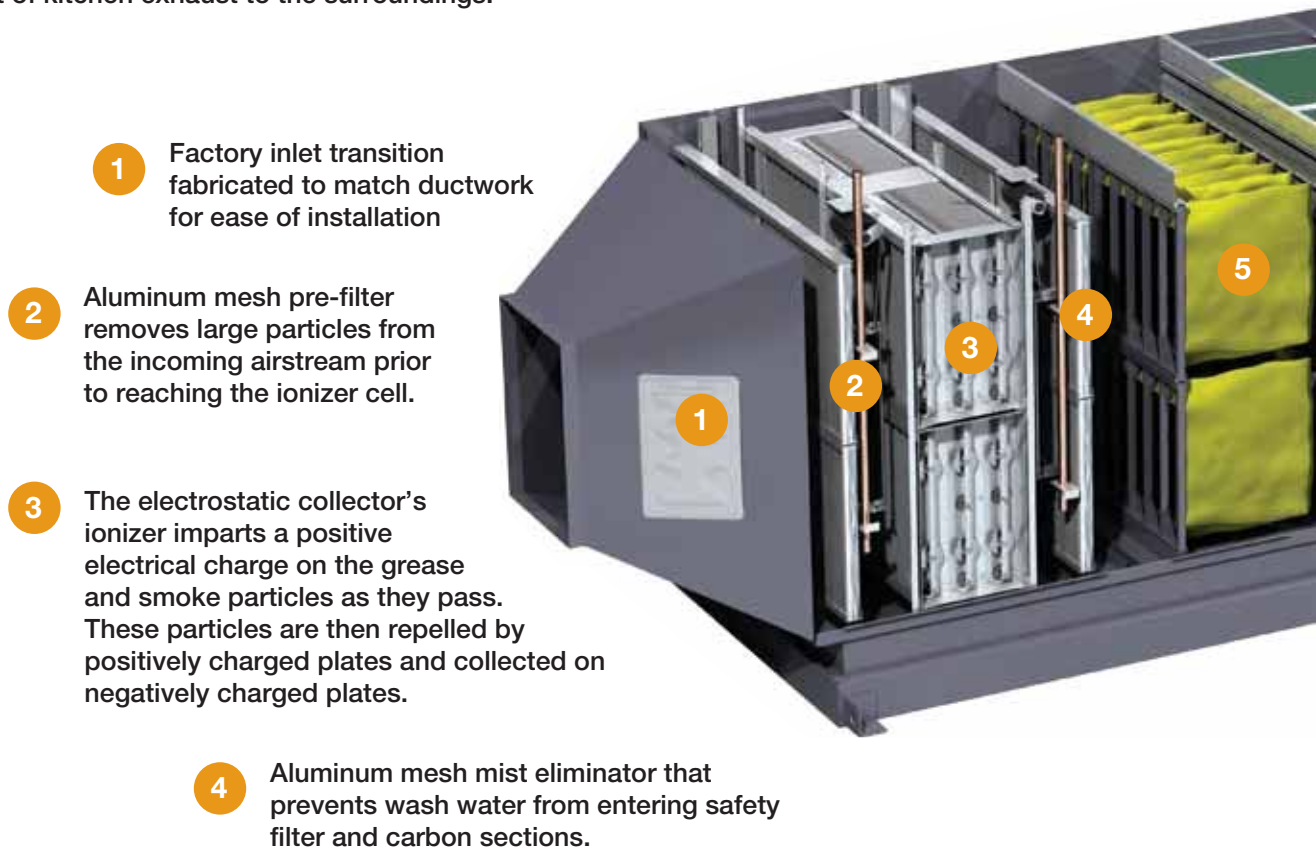
<sup>3</sup> Actual dimension based on incoming duct dimension to ensure expansion angles do not exceed 45°

NOTE: Dimensions are subject to change pending final fan selection

NOTE: Type and volume of cooking and cooking fuel must be factored in when selecting unit. Consult factory for final selection.



The Grease Grabber Power Play electrostatic precipitator is the best available technology when it comes to kitchen pollution control. It provides optimum performance with low operating costs. The permanent electrostatic collector section removes grease and smoke particles from the airstream. Additionally, the integrated self-cleaning sequence, initiated by the system controls, readies the Power Play to go to work again without the time and expense of replacing filters. The Power Play incorporates activated carbon panels to remove odor molecules prior to discharging the air, reducing the impact of kitchen exhaust to the surroundings.



Remote mounted control panel is pre-programmed to sequence the wash cycle of the electrostatic collector section at a set schedule, minimizing manual maintenance.

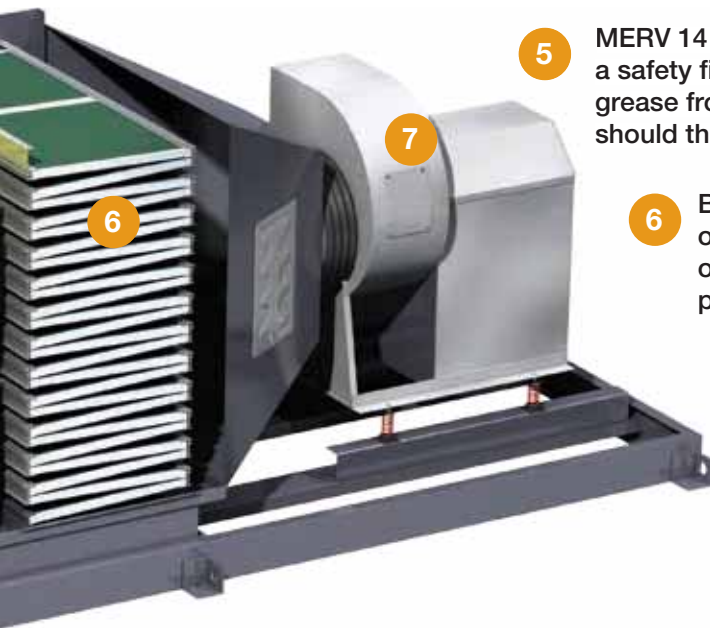


Remote mounted detergent dispenser for the electrostatic collector self-cleaning system. Holds up to 55 gallons for less frequent maintenance.



**Optional Items**

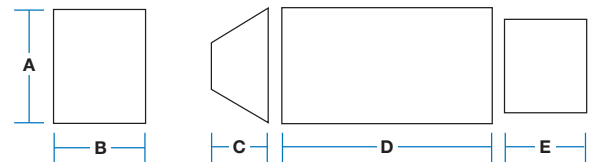
- MERV 17 HEPA filters are available for efficiencies greater than 95%.
- Potassium permanganate and other impregnates available for code compliance and/or to deal with specific odors.
- Greenheck inline fan options are available to fit specific needs.
- Unit can be constructed in multiple sections for field assembly if required.



**5** MERV 14 high capacity bag filter acts as a safety filter preventing high amounts of grease from saturating the carbon panels should the unit's ionizer lose power.

**6** Bonded activated carbon filters reduce cooking odors with a generous application of 156 lbs. of carbon per 1000 cfm of exhaust to maximize performance and minimize maintenance.

**7** Greenheck's utility set fan with motor and drive mounted outside of the airstream per NFPA 96. Factory provided high temperature flex fabric transition.



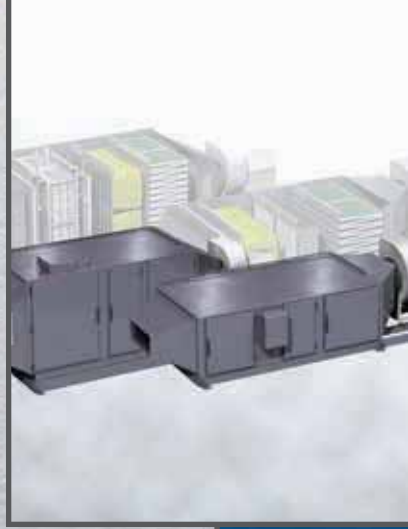
**Dimensional Information**

Model GSA	Max Air Volume <sup>1</sup> (cfm)	Height (inches) A	Width <sup>2</sup> (inches) B	Inlet Transition <sup>3</sup> (inches) C	Unit Length (inches) D	Outlet Trans/Fan (inches) E	Unit Weight (pounds)
-02-03	2,000	41	42.625	18-26	106.125	58.313	3100
-02-04	2,500	41	54.625	18-26	106.125	65.313	3620
-02-05	3,500	41	65.375	18-26	106.125	65.313	4025
-02-06	4,000	41	77.375	18-26	106.125	67.313	4280
-04-04	5,500	65	54.625	18-26	106.125	76.188	4580
-04-05	6,500	65	65.375	18-26	106.125	78.313	5200
-04-06	8,000	65	77.375	18-26	106.125	83.313	5700
-04-07	9,000	65	89.063	18-26	106.125	83.313	6420
-04-08	10,500	65	101.063	18-26	106.125	96.876	7080
-04-09	12,000	65	112.750	18-26	106.125	101.375	7560
-06-08	16,000	88.875	101.063	18-26	106.125	103.313	8800
-06-09	18,000	88.875	112.750	18-26	106.125	103.313	9570

1 Maximum air volume is based on 350 ft/min air velocity across the precipitator  
 2 Lifting lugs for the unit add a nominal 4 inches to each side of the unit width  
 3 Actual dimension based on incoming duct dimension to ensure expansion angles do not exceed 45°

NOTE: Dimensions are subject to change pending final fan selection  
 NOTE: Type and volume of cooking and cooking fuel must be factored in when selecting unit. Consult factory for final selection.

# Kitchen Ventilation Systems



## Building Value in Air

Greenheck delivers value to mechanical engineers by helping them solve virtually any air quality challenges their clients face with a comprehensive selection of

top quality, innovative air-related equipment. We offer extra value to contractors by providing easy-to-install, competitively priced, reliable products that arrive on time.

And building owners and occupants value the energy efficiency, low maintenance and quiet dependable operation they experience long after the construction project ends.

## Our Commitment

*As a result of our commitment to continuous improvement, Greenheck reserves the right to change specifications without notice.*

Specific Greenheck product warranties are located on [greenheck.com](http://greenheck.com) within the product area tabs and in the Library under Warranties.



Prepared to Support Green Building Efforts

