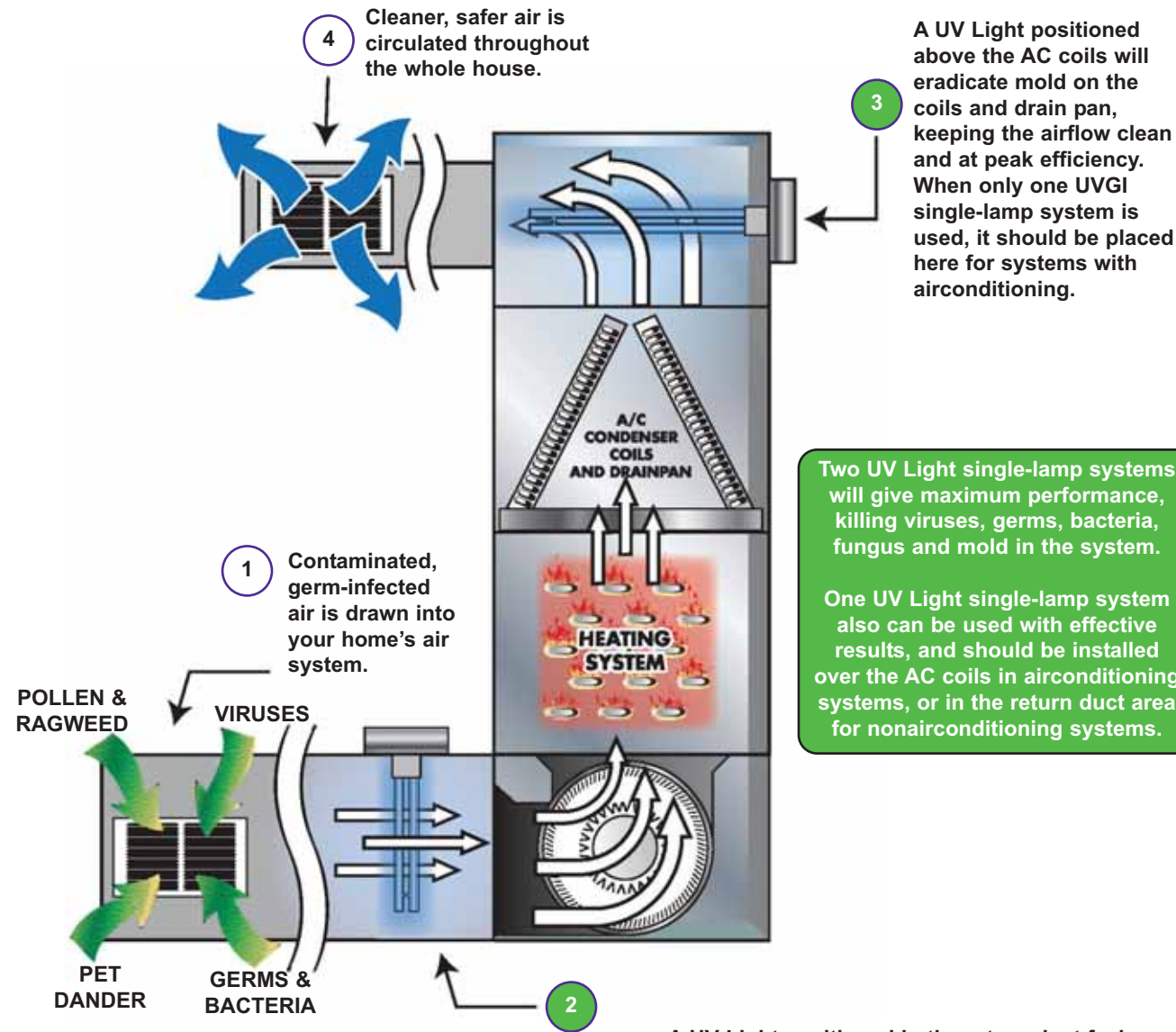


Process of Ultraviolet Germicidal Irradiation (UVGI)

(diagram shows two GL136 single-lamp systems in use)



Two UV Light single-lamp systems will give maximum performance, killing viruses, germs, bacteria, fungus and mold in the system.

One UV Light single-lamp system also can be used with effective results, and should be installed over the AC coils in airconditioning systems, or in the return duct area for nonairconditioning systems.

- UV Lights...for cleaner and healthier air**
- Kills germs, viruses and bacteria
 - Reduces mold and allergens
 - Optional odor/VOC (volatile organic compounds) eliminator grid
 - Mounts easily into ductwork and plugs into any 110V outlet
 - Stainless-steel housing made of hospital-grade components
 - 9000-hour lamp uses only 36 watts of power—less than a standard light bulb
 - Five-year warranty on the housing and one-year warranty on the lamp
 - EPA-endorsed technology
 - Made with pride in the USA

SMART
air & energy solutions

5030 Corporate Exchange Blvd. SE 800.433.6341 p
Grand Rapids, MI 49512 616.656.8200 p
www.smartairandenergy.com 800.223.8461 f
616.656.6399 f

UV Lights

Improves the quality of indoor air in your home or office by destroying infectious airborne contaminants.



- Safe and natural process
- Easy to install and service
- Mounts in HVAC ducts
- View port for lamp inspection
- 120V through 250V operation
- Dual safety switches



The SMART™ Germicidal Ultraviolet Light System for residential HVAC ductwork helps control airborne germs, viruses, bacteria, mold, odors, gases and allergens commonly distributed by residential and light-commercial venting systems. Ultraviolet germicidal disinfection is a proven and cost-effective method to destroy disease-carrying micro-organisms that are airborne and that colonize on surfaces within all HVAC systems.

Acknowledged by regulatory and standards organizations, such as EPA and CDC, UV lights eliminate or reduce airborne microbial contamination

by exposing biological contaminants to cleansing UV-C germicidal energy. Volatile organic compounds (VOCs) that pollute the air we breathe are reduced with the use of the optional GPCO (Germicidal PhotoCatalytic Oxidation) grid. The SMART™ UV light system destroys or reduces the germs and other biologicals that cause sickness and infectious diseases.

Accredited in the ASHRAE Handbook, ultraviolet germicidal irradiation (UVGI) reduces microbial levels on HVAC surfaces and in the air. Install confidence with the SMART™ UV light system, and you'll greatly improve your indoor air quality.



FILE # E183446
AIR DUCT MOUNTED ACCESSORY WITH RESPECT TO ELECTRICAL SHOCK, FIRE AND CASUALTY HAZARDS ONLY.
27RF

The health aspects associated with the use of this product and its ability to aid in disinfection of environmental air have not been investigated by UL.

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Model GL136 and Model GL236 Duct-mounted for split HVAC systems



GL136

single-lamp system shown



GL236

two-lamp system shown

The Model GL comes with a 16" Philips UV lamp(s), safety signage, cotton gloves, installation instructions, hardware, and a 9' grounded cord and plug.

Model No.	Description	AMPs	Nominal Watts	UV Watts	No. of Lamps
GL136	120v - 250v, 50 - 60hz 9.5"L x 7.25"W x 2"D Lamp extends 16.5"	0.56A	36w	12w	1
GL236	120v - 250v, 50 - 60hz 14.5"L x 7.25"W x 2"D Lamps extend 16.5"	0.56A	72w	24w	2

Model GRIK136 Packaged & Rooftop Installation Kit

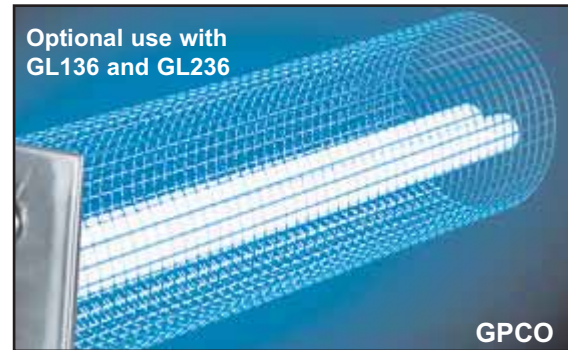


GRIK136

Model No.	Description	No. of Lamps
GRIK136	21"L x 3.5"W x 2.625"D	1

The Model GRIK136 kit comes with a 16" Philips UV lamp, junction box with safety switch, inspection view port, safety signage, cotton gloves, installation instructions, hardware, and a 6' prewired aluminum flex conduit.

Model GPCO Germicidal PhotoCatalytic Oxidation Grid (also eliminates VOCs and biological odors)



GPCO

Model No.	Description
GPCO	15.75"L x 3.5" diameter cylinder

The Model GPCO (Germicidal PhotoCatalytic Oxidation) grid is a noncorrosive, stainless-steel cylinder that is powder-coated with titanium dioxide and has 19 square inches of surface area facing lamps. The GPCO grid is optional as a permanent fixture for the installation of the GL series. No additional cutting or tools are required.

System Features

System Benefits

Stainless steel construction	→ Noncorrosive, long life and high quality
UL-classified as an in-duct accessory with a UL-ABQK listing	→ UL classification provides security for both contractors and homeowners
Redundant internal and external power switches	→ Safety switches protect against accidental UV exposure
Dual-voltage, self-regulating ballast handles local voltage requirements between 120V to 250V	→ Single SMART™ SKU model for multiple local voltage requirements
Advance PureVOLT™ electronic UV ballasts feature a 5-year, full-replacement warranty	→ Ballast is perfectly factory-matched to the Philips UV lamp for high performance and germ-killing efficiency
Long-lasting, high-efficiency Philips twin-tube UV lamps depreciate only 15% UV (maximum)	→ Germicidal UV energy output remains highly effective over the entire 9000-hour usable lamp life
Philips UV lamps contain ≤ 4.5mg of mercury; compact fluorescent lamps (CFLs) contain ~ 4mg	→ Low mercury content allows for safe, inexpensive disposal. Competitors' high-mercury lamps (~ 20 to 30mg) are considered hazardous waste
SMART™/Philips lamp is nonproprietary	→ Replacement lamps are readily available from all major lamp manufacturers
16" Philips twin-tube lamp = 32" of UV energy	→ Twin-tube design provides more UV energy in a smaller space with up to twice the germicidal output of single lamps
Internal wiring features 3M solid-state connectors	→ All connections are designed to be resistant to vibration and high humidity
Airtight system mounting plate	→ Mounting plate provides a professional look to the installation; wing nuts permit fast lamp replacement without tools
All hardware, signage, gloves and instructions are included	→ Fast, easy, professional installation every time
Made with pride in the USA	→ High quality assembly and components