Indoor Air Quality Products

Volatile Organic Compounds
Gases
31%

35% Particulates
Organic and Inorganic Dust Mite Dander, Smoke, Pollen, Dust, etc.

34% Bioaerosols
Bacteria Viruses Fungi

Control all three types of indoor air pollution.
WHY I.A.Q.? (INDOOR AIR QUALITY)

The Centers for Disease Control and Prevention presents this analysis of the causes and aggravation of allergies.

“Mutant strains of the microbials (germs) that cause diseases have become resistant to the antibiotics used to kill them.”
Centers for Disease Control & Prevention

“As a result of today’s energy efficient, tight or closed building construction, the air in our homes and workplace is always 2-5 times more polluted than the worst exterior air.”
Environmental Protection Agency

“Only 10% of homes in the USA have an efficient air cleaning system.”
ASHRAE

Voluntary Organic Compounds
Gases 31%
Particulates 35%
Bioaerosols 34%

Why Choose Garrison I.A.Q. Products?
Complete air purification product line to address all aspects of indoor air quality.
Based on hospital quality performance.
Your complete source for I.A.Q.

Although you may not be able to see, smell or touch it, air pollution impacts the health of everyone.

Death from asthma in children below 11 years of age has been increasing over 7% each year.
1/3 of our national health care costs may be directly attributable to indoor air pollution.
94% of all respiratory problems are caused by polluted air.
MULTIVOLTAGE UV GERMICIDAL AIR PURIFIER

GAR-401H

- Our powerful 180 Microwatt germicidal twin-tube H lamp outputs up to three times more microwatts than that of single tube lamps.
- Auto-sensing ballast works from 120 VAC to 240 VAC.
- 12" or 16" UV lamps available for correct fit.
- 2-Year lamp life.
- Lifetime warranty. (2 years on lamps.)

What's Included:
- GAR-401H multivoltage germicidal air purifier
- Germicidal twin H lamp (packed in lamp box)
- Four sheet metal screws
- 120 VAC power cord
- Alcohol pad to clean lamp
- Installation & maintenance instructions

ACCESSORIES FOR GAR-401H

USN#2477184 12" Lamp reflector for duct board mounting plates.
USN#2477185 16" Lamp reflector for duct board mounting plates.
USN#2490263 12" Magnetic lamp reflector.
USN#2490262 16" Magnetic lamp reflector.
USN#2477188 Current sensing switch. Use to interlock UV and HEPA units with the blower motor in an air handler or furnace.
USN#2477196 24-Watt UV lamp service kit with 12" UV lamp.
USN#2477197 36-Watt UV lamp service kit with 16" UV lamp.

SPECIFICATIONS

- GAR-401H size (L x W x D): 8.75" x 4.25" x 2.75"
- 16" Germicidal H lamp penetrates duct 15.25"
- 12" Germicidal H lamp penetrates duct 11.25"
- Auto-sensing multivoltage ballast: 120 - 240 VAC 50/60 HZ.
- 36-WATT 407.20AAMP

Lamp Specifications

- 16" Twin Tube Germicidal H Lamp: 36 watts, 425 mA 180 µW/cm²
- 12" Twin Tube Germicidal H Lamp: 24 watts, 425 mA 140 µW/cm²

Mount a Garrison GAR-401H unit on either the air return or supply side. Using the installation template as a guide, cut one opening for the unit using a 2" hole saw or tin snips. Attach the unit using the included self-tapping sheet metal screws. For duct board mounting use the duct-board mounting plate accessory. Simply cut a hole to the size of the duct board and insert the mounting offset plate. Seal to the duct board with silver backed duct tape and mount the UV unit. (Photo A)

Ultraviolet UVC energy can deteriorate certain coatings making lamp installation near flex duct impossible without a shield to prevent the UVC energy from shining on any flex duct material, plastics, wire coatings or other materials that are not UV resistant. For duct board mounting, install using the optional duct board mounting plate with the lamp reflector accessory attached (Photo B). For installations where the GAR-401H unit is attached directly to the air return, use the optional magnetic lamp reflector. (Photo C)
GAR-403H
MULTIVOLTAGE UV GERMICIDAL AIR PURIFIER
WITH ODOR CONTROL

• Our powerful 180 Microwatt germicidal twin-tube H lamp outputs up to three times more microwatts than that of single tube lamps.
• Our patented odor control chamber can be easily adjusted by the homeowner.
• Auto-sensing ballast works from 120 VAC to 240 VAC.
• 12" or 16" UV lamps available for correct fit.
• 2-Year lamp life.
• Lifetime warranty. (2 years on lamps.)

What’s Included:
MUV-403H unit with oxidizer lamp installed.
Germicidal twin H lamp (packed in lamp box)
Four sheet metal screws
120 VAC power cord (PC-120)
Alcohol pad for cleaning lamps
Installation & maintenance instructions

ACCESSORIES FOR GAR-403H

USN#2477180 1.5" Offset plate for duct board mounting.
USN#2477185 16" Lamp reflector for duct board mount plates.
USN#2490263 12" Magnetic lamp reflector.
USN#2490262 16" Magnetic lamp reflector.
Shields UV light from shining on UV sensitive materials.
USN#2477188 Current sensing switch.
Use to interlock UV and HEPA units with the blower motor in an air handler or furnace.

USN#2477193 140-microwatt UV oxidizer (12" UV lamp)
USN#2477194 Garrison 180-microwatt UV oxidizer (16" UV lamp)

What’s Included:
MUV-403H unit with oxidizer lamp installed.
Germicidal twin H lamp (packed in lamp box)
Four sheet metal screws
120 VAC power cord (PC-120)
Alcohol pad for cleaning lamps
Installation & maintenance instructions

SPECIFICATIONS

GAR-403H size (L x W x D) 10.75” x 4.25” x 2.75”
16” Germicidal H lamp penetrates duct 15.25”
12” Germicidal H lamp penetrates duct 11.25”
Auto-sensing multivoltage ballast 120 - 240 VAC 50/60 HZ.
46 WATT 40/20 AMP

Lamp Specifications
5” UVC Lamp
Output at 184 nanometers 8 watts, 425 mA
50 mg per hour maximum
Rated life 2 years
Lamp dimensions 5” from base to end
Quartz diameter 15 mm (T5)
16” Twin Tube Germicidal H Lamp
36 watts, 425 mA 180 pK/cm²
12” Twin Tube Germicidal H Lamp
24 watts, 425 mA 140 pK/cm²
Rated life 2 years
Lamp dimensions 12” or 16” from base to end
Glass diameter 30 mm (15 mm x 2)

Mount a Garrison GAR-403H unit directly on the air return. Using the installation template as a guide, cut two openings for the unit using a 2” hole saw or tin snips. Attach the unit using the included self-tapping sheet metal screws. For duct board mounting use the duct-board mounting plate accessory. Simply cut a hole to the size of the duct board and install the mounting offset plate. Seal to the duct board with silver backed duct tape and mount the UV unit. (Photo A)

Ultraviolet UVC energy can deteriorate certain coatings making lamp installation near flex duct impossible without a shield to prevent the UVC energy from shining on any flex duct material, plastics, wire coatings or other materials that are not UV resistant. For duct board mounting, install using the optional duct-board mounting plate with the lamp reflector accessory attached (Photo B). For installations where the GAR-403H unit is attached directly to the air return, use the optional magnetic lamp reflector. (Photo C)
Controls germs, viruses and fungi.

Garrison
Comfort Performance. Value.

**GAR7-50PS**
REMOTE MULTIVOLTAGE UV GERMICIDAL AIR PURIFIER
- Our powerful 180 Microwatts germicidal twin-tube H lamp outputs up to three times more microwatts than that of single tube lamps.
- Moisture-proof lamp connector and mid-cord connector.
- Remote units fit in tight spaces.
- Auto-sensing ballast works from 120 VAC to 240 VAC.
- 12" or 16" UV lamps available for correct fit.
- 2-Year lamp life.
- Lifetime warranty. (2 years on lamps.)
- Upgradable to include our patented odor control unit.

**What’s Included:**
- Power Supply with remote lamp mount
- Germicidal twin H lamp (packed in lamp box)
- Magnetic Z bracket
- Eight (8) sheet metal screws
- Two (2) caution labels
- Strain relief connector
- Alcohol pad for cleaning lamp
- Installation & maintenance instructions

**UPGRADE FOR GAR7-50PS**
(adds odor control)
USN#2479961
Upgrade your GAR7-50PS germicidal remote air purifier to a GAR7-50DR germicidal remote air purifier with odor control.
- Control or remove odors and VOC’s with this patented odor control unit.
- Easily adjusted by the homeowner.

**PLEASE SEE THE FOLLOWING PAGE FOR A LIST OF ADDITIONAL ACCESSORIES FOR GAR7-50PS AND GAR7-50DR**

**SPECIFICATIONS**
- GAR7-50PS power supply size (L x W x D) 6” x 5.75” x 1.5”
- 16" Germicidal H lamp penetrates duct 15.25”
- 12" Germicidal H lamp penetrates duct 11.25”
- Lamp Specifications:
  - 16" Twin Tube Germicidal H Lamp: 36 watts, 405 mA, 180 µW/cm²
  - 12" Twin Tube Germicidal H Lamp: 24 watts, 425 mA, 140 µW/cm²
- Rated life: 2 years
- Lamp dimensions: 16” from base to end
- Glass diameter: 30 mm (15 mm x 2)

This unit can be mounted on the air return or on the supply side.

Above: Shown mounted inside a heat pump or furnace using the magnetic Z bracket.
Below: Shown mounted inside a ceiling mounted heat pump using the magnetic Z bracket.
GAR7-50DR
REMOTE MULTIVOLTAGE UV GERMICIDAL AIR PURIFIER WITH ODOR CONTROL

- Powerful 180 Microwatts germicidal twin-tube H lamp outputs up to three times more microwatts than that of single tube lamps.
- Our patented odor control chamber can be easily adjusted by the homeowner.
- Moisture-proof lamp connector and mid-cord connector.
- Remote units fit in tight spaces.
- Auto-sensing ballast works from 120 VAC to 240 VAC.
- 12" or 16" UV lamps available for correct fit.
- 2-Year lamp life.
- Lifetime warranty. (2 years on lamps.)

ACCESSORIES FOR GAR7-50PS & GAR7-50DR
USN#2477181 Magnetic L bracket for remote odor control unit.
Allows for easy in-duct mounting of the remote odor control unit.
USN#2477182 Offset duct board mounting plate for the remote odor control unit.
USN#2477183 Magnetic Z bracket for germicidal lamp mounting. (1 included)
Allows for easy in-duct mounting of the remote germicidal lamp. Can be combined with the lamp reflector as shown.
USN#2477184 12" Lamp reflector for magnetic Z bracket.
USN#2477185 16" Lamp reflector for magnetic Z bracket.
USN#2490261 12" Magnetic lamp reflector.
USN#2490262 16" Magnetic lamp reflector.
 Shields UV light from shining on UV sensitive materials.
USN#2477198 36-Watt UVC/OXI lamp service kit with 12" UV lamp.
USN#2477199 44-Watt UVC/OXI lamp service kit with 16" UV lamp.

GARRISON 50-WATT 3-PIECE 12" UV/OXI KIT
USN#2477190 Garrison 50-watt 3-piece 16" UV/OXI kit

What's Included:
- Power Supply with remote lamp mount
- Optional oxidizing unit
- Germicidal twin H lamp (packed in lamp box)
- Magnetic Z bracket (converts to duct mount plate)
- Twelve (12) sheet metal screws
- Four (4) caution labels
- Strain relief connector
- Alcohol pad for cleaning lamps
- Installation & maintenance instructions

SPECIFICATIONS
GAR7-50DR power supply Size (L x W x D) 6" x 5.75" x 1.5"
16" Germicidal H lamp penetrates duct 15.25"
12" Germicidal H lamp penetrates duct 11.25"
GAR7-50DR oxidizer Size (L x W x D) 4" x 4" x 3.75"
- Oxidizer chamber penetrates duct 4.5" Auto-sensing multivoltage ballast 120 - 240 VAC 50/60 HZ
- 46-HART 40/20 AMP

LAMP SPECIFICATIONS
- 5" UV Lamp
  - Output at 184 nanometers 50 mg per hour maximum
  - Rated life 2 years
  - Lamp dimensions 5" from base to end
  - Quartz diameter 15 mm (TS)
- 16" Twin Tube Germicidal H Lamp
  - 36 watts, 425 mA
- 12" Twin Tube Germicidal H Lamp
  - 24 watts, 425 mA
- Intensity at 1 meter 180 microwatts/cm²
- Rated life 2 years
- Lamp dimensions 16" from base to end
- Glass diameter 30 mm (15 mm x 2)

The remote oxidizing unit should be return side mounted. Mount directly onto the air duct by drilling a 2" hole and then using the included self tapping sheet metal screws to attach to the exterior of the air handler. For installations on duct board, use the offset duct-board mount plate (Picture B). Cut a hole in the duct board the size of the mount plate, secure the plate with silver backed duct tape and install the remote oxidizing unit. For easy installation inside an air handler, use the magnetic L bracket (Picture C).

The remote oxidizing unit should be mounted on the air return. The remote germicidal lamp can be mounted on the return or supply side.

Above: Shown mounted inside a heat pump or furnace using both magnetic mount accessories.
Below: Shown with the oxidizing unit mounted on the air return of a ceiling mounted heat pump and the remote germicidal lamp mounted inside the supply side using the magnetic Z bracket.
GAR7-100DR
REMOTE MULTIVOLTAGE UV GERMICIDAL AIR PURIFIER

- Two powerful germicidal twin-tube H lamps output up to six times more microwatts than that of a single tube lamp.
- 360 Microwatts, (16” lamp).
- Moisture-proof lamp connector and mid-cord connector.
- Remote units fit in tight spaces.
- Auto-sensing ballast works from 120 VAC to 240 VAC.
- 12” or 16” UV lamps available for correct fit.
- 2-Year lamp life.
- Lifetime warranty. (2 years on lamps.)

ACCESSORIES FOR GAR7-100DR

USN#2477183 12” Lamp reflector for germicidal lamp mounting. Allows for easy in-duct mounting of the remote germicidal lamp. Can be combined with the lamp reflector as shown.

USN#2477185 16” Lamp reflector for germicidal Z bracket.

USN#2490261 12” Magnetic lamp reflector.

USN#2490262 16” Magnetic lamp reflector. Shields UV light from shining on UV sensitive materials.

USN#2477188 Current sensing switch. Use to interlock UV and HEPA units with the blower motor in an air handler or furnace.

USN#2477196 24-Watt UV lamp service kit with 12” UV lamp.

USN#2477197 36-Watt UV lamp service kit with 16” UV lamp.

SPECIFICATIONS

GAR7-100DR size (L x W x D) 10.5” x 5.75” x 1.5”
16” Germicidal H lamp penetrates duct 15.25”
12” Germicidal H lamp penetrates duct 11.25”
Auto-sensing multivoltage ballast 120 - 240 VAC 50/60 HZ.
72-WATT .40/.20 AMP

Lamp Specifications
16” Twin Tube Germicidal H Lamp 36 watts, 425 mA 180µW/cm²
12” Twin Tube Germicidal H Lamp 24 watts, 425 mA 140µW/cm²
Rated Life 2 years
Lamp dimensions 16” from base to end
Glass diameter 30 mm (15 mm x 2)

What’s Included:
- Power Supply with two (2) remote lamp mounts
- Two (2) germicidal twin H lamps (packed in lamp box)
- Two (2) magnetic Z brackets (converts to duct mount plates)
- Twelve (12) sheet metal screws
- Four (4) caution labels
- Strain relief connector
- Alcohol pad for cleaning lamps
- Installation & maintenance instructions

Perfect for Southern markets.

This unit can be mounted on the air return or on the supply side of a furnace or heat pump.

Above: One lamp is shown mounted inside a furnace or a heat pump using the magnetic Z bracket. A second lamp is mounted on the outside of the unit with lamp inserted through a cutout opening.

Below: Both lamps are mounted inside a ceiling mounted heat pump using the magnetic Z bracket.
ER-UV14-24V
UV GERMICIDAL LAMP

- Our most economical UV germicidal lamp.
- 55 Microwatt 14” lamp.
- Remote units fit in tight spaces.
- Perfect for surface irradiation.
- Easy mounting with our heavy duty magnetic Z bracket that has an 80# pull force magnet that also converts to a duct mount plate.
- Moisture-proof lamp connector and mid-cord connector.
- LED system monitor indicates power on. A second LED monitors the lamp operation.
- 24V Ballast.
- 2-Year long life lamp.
- 3-Year warranty. (2 years on lamps.)

ACCESSORIES FOR ER-UV14-24V

USN#2477184 12” Lamp reflector for duct mount plates.
USN#2477185 16” Lamp reflector for duct mount plates. Shields UV light from shining on plastic materials.
USN#2479962 20-Watt 14” UV lamp service kit.
USN#2479964 20-Watt 14” UV lamp service kit with adaptor. Replacement lamp for use with other brands UV remote units.

What’s Included:
- Power supply
- 14” germicidal lamp (packed in lamp box)
- Eight (8) sheet metal screws
- Two (2) caution labels
- Magnetic Z bracket (converts to duct mount plate)
- Alcohol pad for cleaning lamps
- Installation & maintenance instructions

SPECIFICATIONS

ER-UV14-24V size (L x W x D)  16.25” x 2.5” x 2.5”
14” Germicidal lamp penetrates duct 13.25”
24 V Ballast
24 VAC 50/60 HZ.
20-watts.

Lamp Specifications
14” Germicidal Lamp
20 watts, 425 mA
Intensity @ 1 meter
35 µW/cm²
Rated life
2 years
Lamp dimensions
14” from base to end
Glass diameter
15 mm

The remote germicidal lamp can be easily mounted inside an air handler using the magnetic Z bracket included. Alternately you may attach the lamp directly onto the air duct. For this method break apart the magnetic Z bracket and attach the remaining lamp holder plate to the air handler using the included self tapping sheet metal screws. (Picture A). Install the lamp after attaching plate to the air handler.

This unit can be mounted on the air return or on the supply side of a furnace or heat pump. Above: The lamp is shown mounted inside a furnace or heat pump on the supply side using the magnetic Z bracket.

Below: The lamp is mounted inside a ceiling mounted heat pump on the return side using the magnetic Z bracket.
**GAR-HP500**

**Whole House True H.E.P.A. Air Cleaner**

- Ducting flairs™ for easy install.
- 2-speed backward curve motorized impeller.
- Insulated cabinet for quiet operation.
- H.E.P.A. Filter lasts up to two years with normal use.
- Pre-filter with carbon only need replacing every 6 months.
- Collar mounting kit available.
- 7-Year limited warranty.

**What's Included:**
- H.E.P.A. 500 unit
- 120 VAC power cord
- Gasket
- Sixteen (16) sheet metal screws
- Installation & maintenance instructions

**Filtration Methods Compared**

- 3% of Pollutants
- 99% of Pollutants

**GAR-P6100**

**Whole House Polarized Media Air Cleaner**

**USN#2477204**
Garrison 16”x20” Polarized media filter 1” standard

**USN#2477205**
Garrison 16”x25” Polarized media filter 1” standard

**USN#2477206**
Garrison 20”x20” Polarized media filter 1” standard

**USN#2477207**
Garrison 20”x25” Polarized media filter 1” standard

**What's Included:**
- Polarized media panel
- Two (2) media pads (one installed)
- Low voltage power cord
- Installation instructions

**Accessories for GAR-HP500**

- **USN#2477187**
  Collar mount adapter kit.
  For remote mounting using 8 inch duct.

- **USN#2477186**
  Annual pre-filter replacement kit.
  Contains two pre/carbon combination filters.
  A one year supply under normal conditions.

- **USN#2477208**
  Replacement H.E.P.A. filter.
  Lasts up to two years under normal conditions.

- **USN#2477188**
  Current sensing switch.
  Use to interlock UV and H.E.P.A. units with the blower motor in an air handler or furnace.

**Specifications**

- **Size (L x W x H):** 13” x 17” x 22”
- **Performance:** 230/300 CFM
- **H.E.P.A. Filter Size (L x W x H):** 12” x 16” x 2.5”
- **H.E.P.A. Filter Type:** Micro-glass
- **H.E.P.A. Filter Life:** 2 years
- **Pre/carbon Filter Size (L x W x H):** 12” x 16” x 2”
- **Pre/carbon Filter Type:** Paper & media pad
- **Pre/carbon Filter Life:** 6 months
- **Volts:** 120 VAC @ 60 Hz
- **Amperage:** 1.5 A
- **Power Consumption:** 112 W Low / 140 W High
- **Certification:** CCSAUS
Indoor Air Quality Products

Control all three types of indoor air pollution.

- **Volatile Organic Compounds (31%)**
- **Particulates (35%)**
  - Organic and Inorganic
  - Dust Mite Dander, Smoke, Pollen, Dust, etc.
- **Bioaerosols (34%)**
  - Bacteria, Viruses, Fungi