GENERAL FILTERS
INCORPORATED

GeneralAire® Residential Whole-House IAQ Product
PRODUCT GUIDE

Breathe In The Difference
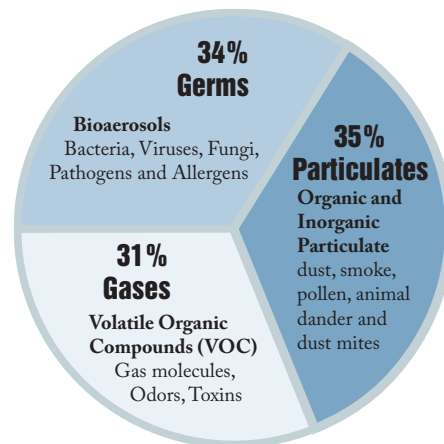
Breath Healthier

Indoor Air & Your Health

The air we breathe indoors is 2 to 5 times more polluted than the air we breathe outdoors! The average person spends 90% of their time indoors. Your health could be at risk!
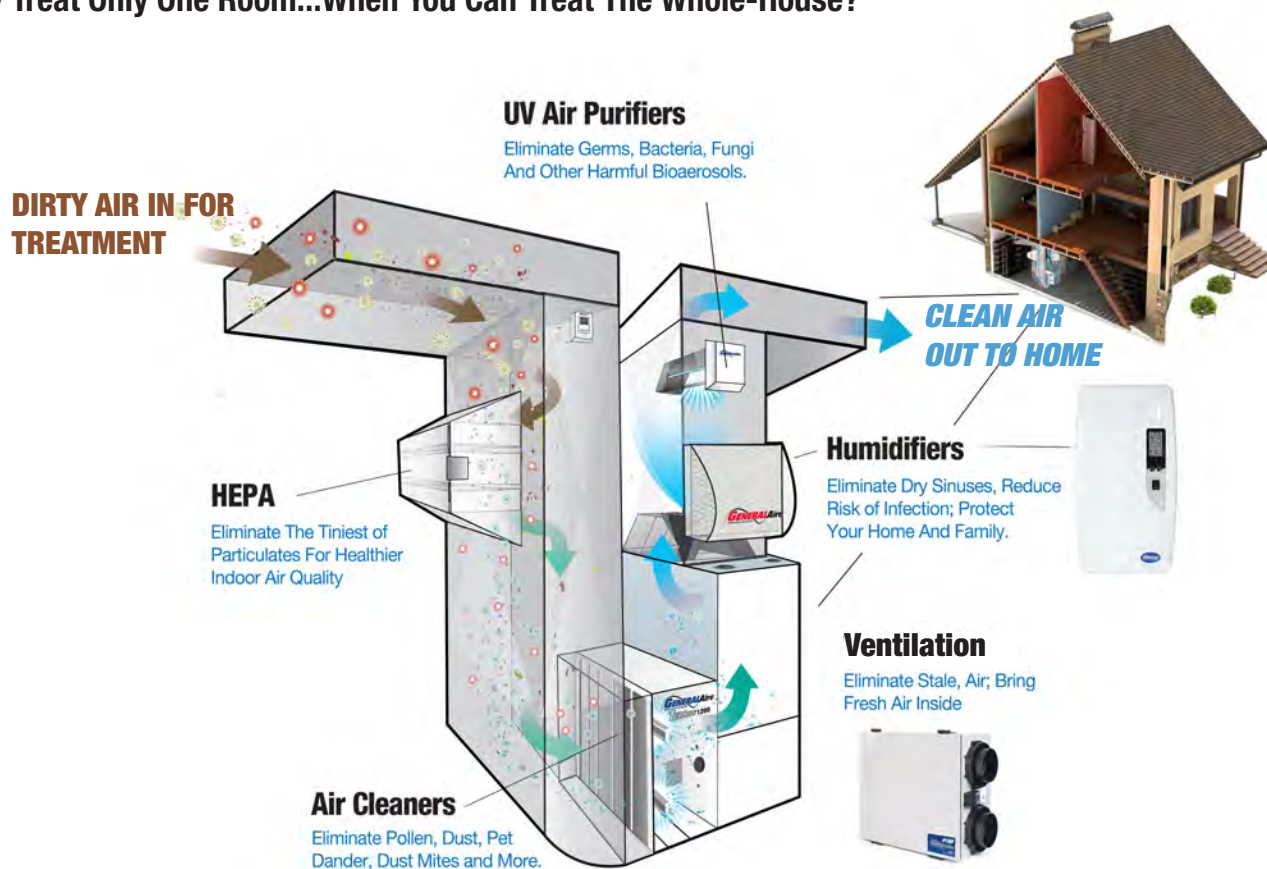
The Center for Disease Control and Prevention categorizes indoor air pollution into three main categories:

- 35% of allergic reactions are caused by **Particulates**.

- 34% of allergic reactions are caused by **Germs**.

- 31% of allergic reactions are caused by chemical **Gases**

Improper humidity levels, dangerous gas molecules, mold spores, germs, and microscopic particulates all affect our long-term health and comfort. GeneralAire® has the answer to significantly reduce harmful airborne contaminants in the air we breathe indoors.

34% Germs
Bioaerosols
Bacteria, Viruses, Fungi, Pathogens and Allergens

35% Particulates
Organic and Inorganic Particulate dust, smoke, pollen, animal dander and dust mites

31% Gases
Volatile Organic Compounds (VOC)
Gas molecules, Odors, Toxins

Why Treat Only One Room...When You Can Treat The Whole-House?

UV Air Purifiers
Eliminate Germs, Bacteria, Fungi And Other Harmful Bioaerosols.

DIRTY AIR IN FOR TREATMENT

CLEAN AIR OUT TO HOME

HEPA
Eliminate The Tiniest of Particulates For Healthier Indoor Air Quality

Humidifiers
Eliminate Dry Sinuses, Reduce Risk of Infection; Protect Your Home And Family.

Ventilation
Eliminate Stale, Air; Bring Fresh Air Inside

Air Cleaners
Eliminate Pollen, Dust, Pet Dander, Dust Mites and More.

Located out of sight and installed on your HVAC system, your GeneralAire® whole-house unit protects your home 24/7; 365 days a year. In addition, a whole-house unit is more quiet than room models and requires less maintenance. Installing a whole-house unit gives you peace of mind, knowing your family and valuables are protected.

**Installation and maintenance of GeneralAire® Products should be performed only by a qualified contractor.

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Residential Whole-House:

Breathe Healthier

GENERALAire®
Fresh Indoor Air Quality

**Installation and maintenance of GeneralAire® Products should be performed only by a qualified contractor.

Elite Steam Humidifiers

How Elite Steam Humidifiers Work

The Elite Steam Humidifier passes electric current between electrodes inside the unit's cylinder, heating the water within to create steam. The steam is then dispersed throughout your home for healthier, more comfortable air.

Learn how to size and select a steam humidifier on pages 35-36. Go to www.generalaire.com and use our easy humidification calculator to quickly evaluate how much humidity your home needs. Other factors (such as hardwood floors, hobbies and age of your home) may influence sizing decision. Always consult a qualified contractor.

Elite Steam Humidifier Maintenance

Maintenance of your steam humidifier is minimal. As water evaporates inside the steam cylinder, minerals left behind are flushed down the drain. Over time some minerals build up on the cylinder walls and electrodes, reducing your unit's ability to create steam. Simply replace your cylinder at the start of each heating season. (Depending on humidity demand, you may need to change it more often.)

Brand Cross Reference

	APRILAIRE®	NEPTRONIC	NORTEC	DRI-STEAM	HONEYWELL
GeneralAire® Elite Steam DS15P	800	SKR14	RH Duct	VT-2	HM700A1000
GeneralAire® Elite Steam DS25; DS25LC	800	SKR25/30/40	RH Duct	VT-4 XT-10	HM700A1000

Model DS15P*   GFI #5578
Elite Steam Humidifier

- Drain Pump Design
- Requires Duct Mount Or Remote Blower Kit
- Automatic Humidistat
- LCD User Interface
- Drain Tempering
- AHU Fan Relay
- Electrode Steam Generating Technology

Specifications

Power Supply
120Vac 50/60Hz

Steam Output
5.5 lbs/hr

Gallons Per Day
15.8

Dimensions
13 1/8" W x 23 3/4" H x 8 1/4" D

Kit Included

** Installation Kit Now Included!

Model DS25*   GFI #5574
Elite Steam Humidifier

- Drain Pump Design
- Requires Duct Mount Or Remote Blower Kit
- Automatic Humidistat
- LCD User Interface
- Drain Tempering
- AHU Fan Relay
- Electrode Steam Generating Technology

Specifications

Power Supply
230Vac 50/60Hz

Steam Output
9-12 lbs/hr

Gallons Per Day
25-35

Dimensions
13 1/8" W x 23 3/4" H x 8 1/4" D

Kit Included

** Installation Kit Now Included!

Model DS25LC*   GFI #5577
Elite Steam Humidifier

- Drain Pump Design
- Requires Duct Mount Or Remote Blower Kit
- Automatic Humidistat
- LCD User Interface
- Drain Tempering
- AHU Fan Relay
- Electrode Steam Generating Technology

Specifications

Power Supply
230Vac 50/60Hz

Steam Output
9-12 lbs/hr

Gallons Per Day
25-35

Dimensions
13 1/8" W x 23 3/4" H x 8 1/4" D

*LC = Low Conductivity Cylinder Standard

Kit Included

** Installation Kit Now Included!

Select the Right Unit

It is essential to test the water prior to selecting your regular or low conductivity steam humidifier.

GFI #5539 includes an easy 3-step instruction for testing the water, along with our AP-2 Conductivity Tester.

**Room Steam (RS) Humidifiers available as a special order only.

Steam Successs Kit
GFI #5539

Visit www.GeneralFilters.com for more information
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Elite Steam Humidifiers

Model	Type Voltage	Capacity	Electrode Technology	Replacement Steam Cylinder	Integrated Mount Blower	Capacity Adjustment	Remote Enable & Alarm Relay	LCD Graphic Display	Continuity Sensor	Foam Control Sensor	Proportional 0 to 10V and ON-OFF	Cylinder Hour Counter	Auto Drain 3 Day Off	AHU Fan Relay
DS15P GFI #5578	Duct Steam 120V	5.5 lbs/hr 15.84 GPD	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DS25 GFI #5574 / DS25LC GFI #5577	Duct Steam 230V	9-12 lbs/hr 25-35 GPD	Yes	Yes / Low Conductivity		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DMNKIT GFI #7525	Accessory Kit Option for DS25(LC) DS15P	Now included with DS models												
Remote Blower RMB35 GFI #7660	230V Accessory Kit Option for DS25(LC)	Installation kit option for DS models												
Remote Blower RMB15 GFI #7665	110V Accessory Kit Option for DS15P	Installation kit option for DS models												

Test The Water First

Testing the water is the most important step in selecting the right steam humidifier for a home. Purchase our Steam Success Kit and be sure it's done the right way every time! Order GFI #5539 and receive the easy 3-step instructions for testing the water, along with our AP-2 Conductivity Tester!

Installation Kit Now Included with Duct Mount Steam Humidifiers

Auto Drain Tempering	Drain Pump Design	Steam Nozzle	Steam Hose	Condensate	Fill Connector	GFX3 Automatic Digital Humidistat	GFX50 Modulating ON/OFF Humidistat	Water Supply Tubing Kit	Air Pressure Proving Switch	Through Wall Blower Kit	Grille Package	Code Valve GCV3412 Ball Valve	Warranty	Replacement Steam Generating Cylinder	Brand Cross Reference				
															APRILAIRE®	NEPTRONIC	NORTEC	DRI-STEAM	HONEYWELL
Yes	Yes	Yes	6'	9'	Yes	Yes		Yes	Yes			Yes	5 years	15-14 GFI #7523	800	SKR14	RH Duct	VT-2	HM700A1000
Yes	Yes	Yes	6'	9'	Yes	Yes		Yes	Yes			Yes	5 years	35-14 GFI #7524 / 35-15 GFI #7543	800	SKR25/30/40	RH Duct	VT-4 XT-10	HM700A1000
		Yes	8ft / 4ft	9ft / 5ft	Yes	Yes / No		Yes / No	Yes			Yes							
				9'	No	No		No	No	No	No	No							
				9'	No	No		No	No	No	No	No							

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Elite Flow Through Humidifiers

How Elite Flow-Through Humidifiers Work

570 & 900: Your furnace sends warm air through the Vapor Pad® inside the humidifier, evaporating water within. Moistened air is then delivered through your home through your home's duct system.

1000: A fan inside the 1000 pulls warm air through the unit and its highly-evaporative Vapor Pad®. Moistened air is then delivered to your home through your home's duct systemt.

Elite Series Humidifier Maintenance

Simply change your vapor pad once per year and remove mineral buildup on the water trough and pan! A solution of 1/2 vinegar and 1/2 water is suggested. Watch a video demonstrating how to do this at www.GeneralFilters.com.

Sizing a Humidifier

Go to www.GeneralFilters.com / Support to use our humidifier capacity calculator to quickly evaluate how much humidity your home needs. Other factors (such as hardwood floors, hobbies and age of your home) may influence sizing decision.

Brand Cross Reference

	APRILAIRE®	HONEYWELL	SKUTTLE	TRION
GeneralAire® Elite 570M	550 500M	220A 225A 225H	2000	G200
GeneralAire® Elite 900M	600M 560	260A 265A 265H	2001	G300
GeneralAire® Elite 1000M	700M 760	360A 365A 365H	2002	G100
GeneralAire® Elite 570A	500A	220B 225B 225DG	NA	NA
GeneralAire® Elite 900A	NA	360B 365B 365DG	NA	NA
GeneralAire® Elite 1000A	700A	360B 365B 365DG	2002	G100

Model 570M
Elite Flow Through Humidifier

- Included: the MHX3C Manual Control Wall/Duct-Mount Humidistat.

Model 570A
Elite Flow Through Humidifier

- Included: Our GFX3 Automatic Humidistat. Use in manual or automatic mode by installing an outdoor sensor that automatically maintains your selected humidity level despite outdoor temperature fluctuations.

Specifications

Unit Size
11-7/8" W x 13-3/8" H x 9-1/2" D

Bypass Duct
6" Diameter

Bypass humidifier mounts easily on the warm or return plenum and delivers 12 GPD. For homes up to 2,000 Sq. Ft.

Vapor Pad® replacement number GA10 (GFI #7900). Replace once per year.

Model 570M
GFI #5705

Model 570A
GFI #5710

Model 900M
Elite Flow Through Humidifier

- Included: the MHX3C Manual Control Wall/Duct-Mount Humidistat.

Model 900A
Elite Flow Through Humidifier

- Included: Our GFX3 Automatic Humidistat. Use in manual or automatic mode by installing an outdoor sensor that automatically maintains your selected humidity level despite outdoor temperature fluctuations.

Specifications

Unit Size
12" W x 15-1/4" H x 10" D

Bypass Duct
6" Diameter

Bypass humidifier mounts easily on the warm or return plenum and delivers 17 GPD. For homes up to 2,800 Sq. Ft.

Vapor Pad® replacement number GA19 (GFI #7919) or 990-13 (GFI #7002). Replace once per year.

Model 900M
GFI #5725

Model 900A
GFI #5720

Model 1000M
Elite Fan Powered Humidifier

- Included: the MHX3C Manual Control Wall/Duct-Mount Humidistat.

Model 1000A
Elite Fan Powered Humidifier

- Included: Our GFX3 Automatic Humidistat. Use in manual or automatic mode by installing an outdoor sensor that automatically maintains your selected humidity level despite outdoor temperature fluctuations.

Specifications

Unit Size
16" W x 16-1/2" H x 10.5" D

Fan-powered unit mounts easily on the warm air plenum and delivers 18 GPD. For homes up to 3,000 Sq. Ft.

Vapor Pad® replacement number GA19 (GFI #7919). Replace once per year.

Model 1000M
GFI #5735

Model 1000A
GRI #5730

Learn about the Water Savor™ Controller on page 29!
- Reduce water waste by as much as 90%!
- Install with *any* manufacturer's flow-through, bypass humidifier (Do not install with fan powered, drum or steam humidifiers)

Water Savor™ Controller

GFI #7081

Elite Series Humidifiers

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Elite Series Flow Through Humidifiers

Model	Type	Gallons per Day @ 120 Deg.	Square Footage Covered O/S Design Temp: 0°FO/S Design RH: 70%I/S Design Temp: 70°FI/S Design RH: 30%Furnace 8hrs/24hr Period 8ft Ceilings/.30ACH Cold Water Supply	Humidity When System Fan Operates	Humidistat Included	Controls Dew Point	24V Automatic Humidity Control Outdoor Temperature Compensation	Prevents Condensation on Windows	Auto / Manual Modes & Outdoor Temperature Display	
570M GFI #5705	Flow Through 6" Bypass	12	Up to 2000	Yes	Yes MHX3C					
900M GFI #5725	Flow Through 6" Bypass	17	Up to 2800	Yes	Yes MHX3C					
1000M GFI #5735	Flow Through Fan Power	18	Up to 3000	Yes	Yes MHX3C					
570A GFI #5710	Flow Through 6" Bypass	12	Up to 2000	Yes	Yes GFX3	Yes	Yes	Yes	Yes	
900A GFI #5720	Flow Through 6" Bypass	17	Up to 2800	Yes	Yes GFX3	Yes	Yes	Yes	Yes	
1000A GFI #5730	Flow Through Fan Power	18	Up to 3000	Yes	Yes GFX3	Yes	Yes	Yes	Yes	

Optional Outdoor Sensor Included	KineticFlo® Distribution Trough for Even Water Distribution Across Vapor Pad®	Integrated Bypass Damper	Warranty	Stainless Steel Solenoid Valve Seat	Code Valve GCV3412 Ball Valve	DuraPlast® UV Stable Pad Frame	Replacement Vapor Pad®	Brand Cross Reference				
								LEGACY	APRILAIRE®	HONEYWELL	SKUTTLE	TRION
	Yes	Yes	10 years	Yes	No	Yes	GA10 GFI #7900 Repl 1/Yr	NA	550 500M	220A 225A 225H	2000	G200
	Yes	Yes	10 years	Yes	No	Yes	GA19 GFI #7919 or 990-13 GFI #7002 Repl 1/Yr	SL16 1042	600M 560	260A 265A 265H	2001	G300
	Yes	No	10 years	Yes	No	Yes	GA19 GFI #7919 Repl 1/Yr	1137	700M 760	360A 365A 365H	2002	G100
Yes	Yes	Yes	10 years	Yes	Yes	Yes	GA10 GFI #7900 Repl 1/Yr	NA	500A	220B 225B 225DG	NA	NA
Yes	Yes	Yes	10 years	Yes	Yes	Yes	GA19 GFI #7919 or 990-13 GFI #7002 Repl 1/Yr	1099	NA	360B 365B 365DG	NA	NA
Yes	Yes	No	10 years	Yes	Yes	Yes	GA19 GFI #7919 Repl 1/Yr	1137	700A	360B 365B 365DG	2002	G100

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Legacy Series Humidifiers

How Legacy Humidifiers Work

1099LHS and 1042LH: A portion of the heated air from the furnace passes through a water-soaked Vapor Pad® where it absorbs additional moisture and then returns for distribution throughout your home.

1137: A fan inside the 1137 fan-powered humidifier pulls warm air from your furnace through the water-soaked Vapor Pad®, where it absorbs additional moisture. The moistened air then returns for distribution throughout your home via your home's duct system.

Legacy Humidifier Maintenance

Simply change the Vapor Pad® once per year and clean any mineral deposits for the water distributor trough and drain pan. A solution of 1/2 vinegar and 1/2 water is suggested. Watch a video demonstrating how to do this at www.GeneralFilters.com.

Sizing a Humidifier

Go to www.GeneralFilters.com / Support to use our humidifier capacity calculator to quickly evaluate how much humidity your home needs. Other factors (such as hardwood floors, hobbies and age of your home) may influence sizing decision.

Brand Cross Reference

	ELITE	APRILAIRE®	HONEYWELL	SKUTTLE	TRION	SOURCE-1
GeneralAire® Legacy 1042LH	900	600M	260A 265A 265H	2001	G300	S1-HU17MB
GeneralAire® Legacy 1137	1000	700M	360A 365A 365H	2002	G100	S1-HU18MP
GeneralAire® Legacy 1099LHS	950	NA				

Models 1042LH
Legacy Series Humidifier

- Included: MHX3C Manual Control Wall/Duct-Mount Humidistat

- A highly efficient flow-through unit that delivers 17 GPD (120° Plenum Temperature)

- Replacement Vapor Pad® number 990-13 (GFI #7002) (Replace once per year)

Specifications

Unit Size
14" H x 15-1/8" W x 9" D

Bypass Duct
6" diameter (collar supplied)

For homes up to 2,800 Sq. Ft.

GFI #5144

Model 1099LHS
Legacy Series Humidifier

- Included: MHX3C Manual Control Wall/Duct-Mount Humidistat

- A high-capacity model delivers 19 GPD (120° Plenum Temperature)

- Replacement Vapor Pad® number GA23 (GFI #7923) (Replace once per year)

Specifications

Unit Size
16" H x 16" W x 12-1/4" D

Bypass Duct
7" diameter (collar supplied)

For homes up to 3,000 Sq. Ft.

GFI #5015

Model 1137
Legacy Series Humidifier

- Included: MHX3C Manual Control Wall/Duct-Mount Humidistat

- Fan-powered unit mounts easily on the warm air plenum and delivers 18 GPD (120° Plenum Temperature)

- Replacement Vapor Pad® number 990-13 (GFI #7002) (Replace once per year)

Specifications

Unit Size
14" H x 16" W x 11" D

For homes up to 3,000 Sq. Ft.

GFI #5137

Learn about the Water Savor™ Controller on page 29!
- Reduce water waste by as much as 90%!
- Install with *any* flow-through, bypass humidifier model (1042LH and 1099LHS).
  Do not install with any fan-powered or steam humidifier (1137).
- Go to www.GeneralFilters.com / Support / Video Library to view videos illustrating:
  - Why you might install the Water Savor™ Controller?
  - How do you install the Water Savor™ Controller?
  - How do you adjust the settings for maximum water savings?

Water Savor™
Controller
GFI #7081

Legacy Series Humidifiers

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Legacy Series Humidifiers

	Model	Type	Gallons per Day @ 120° Plenum Temp.	Square Footage Covered O/S Design Temp: 0°F O/S Design RH: 70% I/S Design Temp: 70°F I/S Design RH: 30% Furnace 8hrs/24hr Period 8ft Ceilings/.30ACH Cold Water Supply	MHX3C Manual-Control Humidistat	Humidity when System Fan Operates	KineticFlo Distribution Trough for Even Water Distribution Across Vapor Pad®	Inte-grated Bypass Damper	Warranty	Stainless Steel Solenoid Valve Seat
	1042LH GFI #5144	Flow Through 6" Bypass	17	Up to 2800	Yes	Yes	Yes	Yes	5 years	Yes
	1137 GFI #5137	Flow Through Fan Power	18	Up to 3000	Yes	Yes	Yes	No	5 years	Yes
	1099LHS	Flow Through 7" Bypass	19	Up to 3000	Yes	Yes	Yes	Yes	5 years	Yes

Voltage	Solenoid	Tap Valve	10 ft 24V Thermostat Wire	15 ft 5/8" Drain Hose	10 ft Water Sply Tube	Transformer	Replacement Vapor Pad®	Brand Cross Reference				
								APRILAIRE®	HONEYWELL	SKUTTLE	TRION	SOURCE-1
24V	Yes	Yes		Yes		Yes	990-13 GFI #7002 Repl 1/Yr	600M	260A 265A 265H	2001	G300	S1-HU17MB
120V	Yes	Yes	Yes	Yes		Yes	990-13 GFI #7002 Repl 1/Yr	700M	360A 365A 365H	2002	G100	S1-HU18MP
24V	Yes	Yes		Yes		Yes	GA23 GFI #7923 Repl 1/Yr	NA				

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Dehumidifiers & Ventilation (ERV / HRV)

Whole-House Dehumidifier

Do you live in a humid climate? Are you concerned about mold in your home? Are floors and other surfaces of your home sticky? Does the air seem stuffy? Do you have musty odors in your home? Have you noticed water stains on walls or ceilings? Do you see condensation on your water pipes? Air that's too moist can feel uncomfortable. Left untreated, moist air breeds mold that can become a health hazard. Excess moisture in the air encourages growth of mold, bacteria and dust mites (3 known indoor allergens). Removing excess moisture is essential to your comfort and health. GeneralAire® Dehumidifiers can remove as much as 100 pints of moisture per day; providing drier, healthier, fresher, more comfortable air.

Dehumidifier Brand Cross Reference

	Aprilaire® Model	Therma-Store Ultra-Aire Model	Honeywell Model	Therma-Store Santa-Fe Model	Clean Comfort Model
DH75	1830	70H	DR65	Compact2	DVO70
DH100	1850	98H	DR90	Advance2	DVO98

ERV / HRV

Every home needs some kind of ventilation system. If too little outdoor air is introduced into your home, pollutants and odors can accumulate to levels that can adversely affect both your comfort and health. Keeping windows and doors open is not always possible due to weather, safety and noise concerns. Improve indoor air quality by introducing fresh outside air into the home while discharging stale indoor air outdoors.

ERV / HRV Brand Cross Reference

	APRILAIRE®	SOURCE 1	HONEYWELL	VENAMR	BROAN
ERV 3160	NA	S1-ERV160	ER1502006	AVS Duo 1.4	ERV100HC
ERV 3220	8100	S1-ERV220	ER200B2006	AVS Duo 1.9	ERV200HC
HRV 8160	NA	S1-HRV160	HR150B1005	AVS Constucto 1.5 AVS Solo 1.5	HRV100H
HRV 8220	NA	S1-HRV220	HR200B1005	AVS Constucto 2.0 AVS Solo 2.0	HRV200H

Touch Screen & Wi-Fi Control Dehumidifiers DH75 & DH100
GeneralAire® Whole-House

- Touch screen & Wi-Fi control
- MERV 11 pleated filter
- Fan-only function
- Filter hour indicator
- Low-temperature shutoff
- Quiet operation
- Integrated handles
- AFCI power cord
- Safety grate
- Adjustable feet
- 5-Year Warranty

Specifications

Dimensions
DH 75 = 12.75" H x 21" D x 12.6" W
DH 100 = 15.75" H x 21" D x 12.6" W

Weight
DH 75 = 58 lbs / DH100 = 65 lbs

Duct Connections
DH 75 8" diameter / DH100 = 10" diameter

Capacity
DH 75 - 75 pints per day
DH 100 - 100 pints per day

DH75
GFI #5333

Replacement Filters

DH 75 = GFI #7143
DH 100 = GFI #7144

MERV 11

DH100
GFI #5334

ERV Models 3160 & 3220
GeneralAire® Energy Recovery Ventilators

- 2 operating modes
  (Intermittent and Continuous Ventilation)
- Variable speed
- Proportional defrost (Patent Pending)
- ISF™ 6" diameter collar system
- 10-year limited warranty on motors
- 5-year limited warranty on enthalpic core
- 5-year limited warranty on all other components

Specifications

Unit Size
3160: 21-1/2" H x 23-7/8" D x 11-3/8" W
3220: 21-1/2" H x 23-7/8" D x 16-1/2" W

Heat Exchanger
3160: 12" H x 12" D x 10" W
3220: 12" H x 12" D x 15" W

CFM
3160: 30 to 160
3220: 50 to 220

ERV 3160
GFI #4670

ERV 3220
GFI #4675

HRV Models 8160 & 8220
GeneralAire® Heat Recovery Ventilators

- 2 operating modes
  (Intermittent and Continuous Ventilation)
- Variable speed
- Proportional defrost (Patent Pending)
- ISF™ 6" diameter collar system
- 10-year limited warranty* on motors
- Lifetime warranty on polypropylene core
- 5-year limited warranty on all other components

Specifications

Unit Size
8160: 21-1/2" H x 23-7/8" D x 11-3/8" W
8220: 21-1/2" H x 23-7/8" D x 16-1/2" W

Heat Exchanger
8160: 12" H x 12" D x 10" W
8220: 12" H x 12" D x 15" W

CFM
8160: 30 to 160
8220: 50 to 220

HRV 8160
GFI #4660

HRV 8220
GFI #4665

Dehumidifiers & ERV/HRV

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Dehumidifiers

Model	Capacity	Airflow @ .60 in. w.c.	Power Supply	Filter	Weight	Adjustable Integral Dehumidistat	R-4.5 Cabinet Insulation
NEW! DH75 GFI #5333	Up To 75 pints	180 CFM	110-120 VAC 60Hz	MERV 11 Pleated Filter GFI #7143	58 lbs	Yes Digital & Wi-Fi	
NEW! DH100 GFI #5334	Up To 100 pints	220 CFM	110-120 VAC 60Hz	MERV 11 Pleated Filter GFI #7144	65 lbs	Yes Digital & Wi-Fi	

Ventilation Systems

Model	Heat Transfer	Moisture Transfer	Defrost Control	Net Airflow @ .20 in. wg	Sensible Recovery Efficiency HV I Certified	Variable Speed Balancing Fan Motors (2)	Insulated Cabinet
3160 GFI #4870	Yes	Yes	Yes	163	74%	Yes	Yes
3220 GFI #4675	Yes	Yes	Yes	195	72%	Yes	Yes
8160 GFI #4660	Yes	NA	Yes	163	78%	Yes	Yes
8220 GFI #4665	Yes	NA	Yes	195	74%	Yes	Yes

		Thermostatic Expansion Valve	Warranty	Brand Cross Reference				
				Aprilaire® Model	Therma-Store Ultra-Aire Model	Honeywell Model	Therma-Store Santa-Fe Model	Clean Comfort Model
		No	5 years	1830	70H	DR65	Compact2	DVO70
		No	5 years	1850	98H	DR90	Advance2	DVO98

		DualTrol®	Warranty	Brand Cross Reference				
				APRILAIRE®	SOURCE 1	HONEYWELL	VENAMR	BROAN
		Yes	5 years	NA	S1-ERV160	ER1502006	AVS Duo 1.4	ERV100HC
		Yes	5 years	8100	S1-ERV220	ER200B2006	AVS Duo 1.9	ERV200HC
		Yes	5 years	NA	S1-HRV160	HR150B1005	AVS Constucto 1.5 AVS Solo 1.5	HRV100H
		Yes	5 years	NA	S1-HRV220	HR200B1005	AVS Constucto 2.0 AVS Solo 2.0	HRV200H

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Air Cleaners

TERSus 2000
TERSus 1200

COMPLETE Air Cleaning

TERSus Removes all three sources of indoor air pollution

1. High Efficiency MERV 13 Filtration - removes up to 94.2% of harmful airborne particulates 0.30 - 1 microns. (MERV 11 Replacement Filters Also Available)
2. ULTRA Violet C Germicidal Air Purification - kills airborne germs, bacteria, viruses and other harmful organisms.
3. High Performance Photo Catalytic VOC Mitigation Technology - converts and neutralizes annoying stubborn odors, gases, fumes & toxic chemicals to harmless water and carbon dioxide by-products.

TERSus 1200
GFI #4570
17" H x 25" W x 10" D

TERSus 2000
GFI #4560
21" H x 25" W x 10" D

AC500 HEPA Air Cleaner

99% efficient at removing particulates as small as 0.30 microns!

- Dimension: 22" H x 13" W x 17" D
- Performance: 200/300CFM
- Voltage: 120 VAC @ 60 Hz
- Amperage: 1.5A
- Power Consumption: 130W
- Certification: c CSA us
- Efficiency: 99.97 @ .30 microns

Replacement Media:

1. Pleated Pre-filter with Charcoal-ARK564 (GFI #4610)
2. HEPA Filter-RHF562 (GFI #4620)

AC500
HEPA
GFI #4600

GA50 Series
Electronic Air Cleaners

- Up to 99.7% efficient at 0.30 microns
- Carbon filters that remove gaseous odors
- Dual indicator lights show unit operation at a glance
- Electronic Air Proving Switch cycles air cleaner On/Off with system fan

Maintenance

Clean collecting cell every 3 months with:

EAC Cell Detergent

GFI #4746
- #32 oz.
- Non-Caustic / Non Acid
- The assurance for high performance efficiency output!

GA50A14
GFI #4710

GA50A22
GFI #4720

GA50A20
GFI #4700

MAC Series
2020, 2000, 1400, 1200M

- MERV 11 Opti-Fiber Media (MAC1200M MERV 8)

- Opti-Fiber Media with low pressure drop characteristics

- 75% minimum average efficiency 1.0 to 3.0 microns

MERV 11

Replacement Media

MAC 2020: 6FM2020 (GFI #4556)
MAC 2000: 6FM2025 (GFI #4551)
MAC 1400: 6FM1625 (GFI #4541)
MAC 1200M: 3FM1625 (GFI #4521)

MAC 2020
GFI #4530

MAC 2000
GFI #4500

MAC 1400
GFI #4510

MAC 1200M
GFI #4520

MAC-L
Right Angle Air Cleaner

- MERV 11 Opti-Fiber Media

- Opti-Fiber Media with low pressure drop characteristics

- 75% minimum average efficiency 1.0 to 3.0 microns

MERV 11

Replacement Media

6FM2025 (GFI #4551)

MAC-L
GFI #4540

Perfect Platform
Air Cleaner

- MERV 11 Opti-Fiber Media

- 75% minimum average efficiency 1.0 to 3.0 microns

MERV 11

Replacement Media

6FM2025 (GFI #4551)

Perfect Platform
GFI #4545

AC Series
AC22 and AC24

- MERV 11 Micro Fiber

- No-tear design

- Strong expandable media

- 75% dust spot efficiency 1.0 to 3.0 microns

MERV 11

Replacement Media

AC22: 12758 (GFI #4001)
AC24: 401-13156 (GFI #4051)

G-99 Air Filter Gage
Conveniently Pre-Built Into the Door

GeneralAire® offers an easy-to-use, easy-to-read air filter gage that provides a visual indication of the need to replace your air filter. As the air filter media loads with airborne particulates, the gage indicator arm will rise, telling you it's time to change your filter.

AC22
GFI #4422

AC24
GFI #4424

Visit www.GeneralFilters.com for more information
General Filters, Inc. 43800 Grand River Ave. Novi, MI 48375 (866) 476-5101

High Efficiency Media Air Cleaners

Air Cleaners

Model	Type	Unit H x D x W Size (in inches)	Application	Rated Airflow CFM	MERV Rating	Arrestance Efficiency at 492 FPM	Dust Spot Efficiency at 492 FPM
MAC 1400 GFI #4510	Cartridge Media	16" x 25" x 7"	Inline	1400	11	75% 1.0 to 3.0 microns	61.8% 1.0 to 3.0 microns
MAC 2020 GFI #4530	Cartridge Media	20" x 20" x 7"	Inline	1400	11	75% 1.0 to 3.0 microns	61.8% 1.0 to 3.0 microns
MAC 2000 GFI #4500	Cartridge Media	20" x 25" x 7"	Inline	2000	11	75% 1.0 to 3.0 microns	61.8% 1.0 to 3.0 microns
MAC 1200	Cartridge Media	16" x 25" x 5"	Inline	1200	8		
MAC-L GFI #4540	Right Angle Air Cleaner	24-1/2" H 25-3/4" D 15-1/2" W	Inline Adj. Drop Dim. 24 x 8 24 x 10	2000	11	97% 1.0 to 3.0 microns	75% 1.0 to 3.0 microns
PERFECT PLATFORM GFI #4545	Flat Air Cleaner	28" x 43"	Below Furnace 24 x 8 24 x 10	2000	11	97% 1.0 to 3.0 microns	75% 1.0 to 3.0 microns
AC22 GFI #4422	Expandable Media	20" x 25" x 10"	Inline	2000	11	97% 1.0 to 3.0 microns	75% 1.0 to 3.0 microns
AC24 GFI #4424	Expandable Media	16" x 28" x 10"	Inline	2000	11	97% 1.0 to 3.0 microns	75% 1.0 to 3.0 microns
TERSus 1200	UV Cartridge Media	17" x 25" x 10"	1.5-3 Ton Drive / Air Handler Furnace	1200	13	NA	93% 1.0 TO 3.0 microns
TERSus 2000	UV Cartridge Media	21" x 25" x 10"	3.5-5 Ton Drive / Air Handler Furnace	2000	13	NA	93% 1.0 TO 3.0 microns
HEPA AC500 GFI #4600	HEPA 120V	22" x 17" x 13"	Bypass Duct Mount or Remote Mount	300	99.97% at .30 microns	NA	NA
GA50A20 GFI #4700	Electronic Air Cleaner	20" x 25" x 7.5"		2000	up to 99% at .30 microns	NA	99% at 600 CFM
GA50A14 GFI #4710	Electronic Air Cleaner	16" x 25" x 7.5"		1400	up to 99% at .30 microns	NA	99% at 600 CFM
GA50A22 GFI #4720	Electronic Air Cleaner	20" x 20" x 7.5"		1400	up to 99% at .30 microns	NA	99% at 600 CFM

Initial Pressure Drop	Maintenance Cycle	Filter Media Dimensions Nominal (Actual) (H x D x W)	G99 Airflow Indicator Gage	Warranty	APRILAIRE® MODEL	SOURCE 1 MODEL	HONEYWELL MODEL	TRION AIR BEAR MODEL
.28 in. w.c.	Every 6 Months	16 x 25 x 5 - 6FM1625 (16" x 24-1/4" x 4-15/16")	Optional	10 years	2120	S1-MAC10162505	F100F1012 F100F2002	Air Bear 455602-119
.28 in. w.c.		20 x 20 x 5 - 6FM2020 (20" x 20-1/4" x 4-15/16")				S1-MAC10202005	F100F1020 F100F2036	Air Bear 455604-019
.26 in. w. c.		20 x 25 x 5 - 6FM2025 (20" x 24-1/4" x 4-15/16")			2140	S1-MAC10202505	F100F1038 F100F2010	Air Bear 455602-019 459200-005
.16 in w.c.	Every 6 Months	16" x 25" x 3" - 3FM16X25 (16" x 24 1/4" x 2 15/16")	Optional	10 years	NA			Air Bear Cub 425599-008
.26 in. w.c.	Every 6 Months	20 x 25 x 5 (20" x 24-1/4" x 4-15/16") 6FM2025	Optional	10 years	NA	NA	NA	Air Bear 447380-002 459202-001
.26 in. w.c.	Every 6 Months	20 x 25 x 5 (20" x 24-1/4" x 4-15/16") 6FM2025	Optional	10 years	NA	NA	NA	NA
.18 in. w.c.	Every 12 Months	20" x 25" x 6" 12758	Integral	10 years	2200	S1-MAC11202506	NA	NA
.22 in. w.c.		16" x 27" x 6" 401-13156			2400	S1-MAC11162506		
.30 in. w.c.	U.V. Lamps LT016 GFI #4564 - 1 Year (2 Required) Filter - 6 Months	16 x 25 x 4 MERV 13 = GFI #4572	NA	5 years	NA	NA	NA	NA
.36 in. w.c.		20 x 25 x 4 MERV 13 = GFI #4562						
NA	Every 6 Months	11 1/2" x 15 1/2" x 1 3/4" (2) Pleated Pre-filters W/ Charcoal *ARK564 Annual Kit*	NA Optional	5 years	NA	S1-HEPA300	F500A1000	NA
	Every 2 Years	11 1/2" x 15 1/2" x 2 1/2" *RHF562 HEPA Filter*						
.157 w/o carbon	Clean Collecting Cell Every 3 Months With DAX	NA	NA	5 years	NA	S1-EAC20002025	F300A2025	NA
.157 w/o carbon						S1-EAC14001625	F300A1625	
.157 w/o carbon						S1-EAC14002020	F300A2020	

UV Air Purifiers

GeneralAire® Series UV Air Purifiers

Filtration *alone* is no longer the only answer to providing clean and healthy indoor air. Outside, the sun delivers UVC energy that helps rid our air of germs, bacteria, viruses and other destructive bioaerosols. GeneralAire® UV Light Air Purifiers do this for your whole home, *indoors*. So "bring sunshine inside!" with GeneralAire® UV Air Purifiers.

PCO2450 *VectorFlo®*

The Best UV Air Purifier Technology Available! The GeneralAire® PCO2450 VectorFlo® (Photocatalytic Oxidation) Air Purifier features:

- The patented VectorFlo® semiconductor delivers a high-performance kill rate unmatched by other ultraviolet air treatment brands.

- The Venturi effect: a technology that significantly decreases the speed of air flowing through the unit, which in turn *increases* the exposure time of harmful airborne microorganisms in a bath of sterilizing germicidal ultraviolet light.

- 24 Sq. Ft. equivalent surface area of honeycomb-shaped aluminum cells that are electrostatically coated and permanently bonded with titanium dioxide (TiO2). This specific process is proven to be one of most effective photocatalysts, accelerating the purifying process to kill germs, bacteria, fungus and viruses in your home.
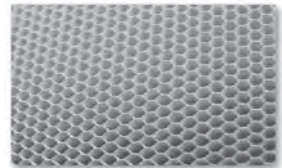
This same germ-killing technology is found in our TERSus Air Cleaner, which also incorporates filtration for *complete* air cleaning. Learn more about TERSus technology on page 19.

Brand Cross Reference

	DUSTFREE MODEL	SOURCE 1 MODEL	HONEYWELL MODEL	RGF	FIELD CONTROLS MODEL
GUV100A83	Triad Flex-Mount	S1-UV36120	UV100A1059 UV100A2008 UV100E3007		UV-12 UV-18 UV-28
PCO2450	NA	S1-UV50120			
MS24ER	NA	NA			

Model PCO2450
GeneralAire® Series UV Air Purifier

- 50 Watt 18 Inch UVC Lamp LT-50 (GFI #4448)
- 135 µw/cm² @ 1 Meter UVC Lamp Intensity Rating
- High Output Temperature Compensating (HOTC) 120v / 240v Ballast (GFI #4884)
- 24 Sq. Ft., 3,500 Sq. Inch Titanium Dioxide TiO_2 Anatase Semi-conductor
- 18,000 Hours Lamp Life Efficiency

Specifications

7-3/8" H x 8.75" W x 20" D
Max 2000 CFM or 4,000 Sq. Ft.

PCO2450
GFI #4840

Model MS24ER
GeneralAire® Series UV Air Purifier

- 20 Watt, 14" UVC Germicidal Lamp MS24ER 24V (GFI #4462)
- 55 Microwatts /cm² @ 1 Meter UV Lamp Intensity Rating
- 24 VAC Regulating Electronic Ballast
- 18,000 Hours Lamp Life Efficiency

Specifications

5.75" H x 2.62" W x 16.5" D

MSP180
GFI #4460

GA3501 Transformer required for installation (GFI #4305)

Model GUV100A83
GeneralAire® Series UV Air Purifier

- 36 Watt, 16" UVC Germicidal H-lamp LSK36 (GFI #4447)
- 180 µW/cm² @1 Meter UVC 16HC Lamp Intensity Rating
- 120 VAC / 240 VAC Regulating Electronic Ballast (GFI #4875)
- 18,000 Hours Lamp Life Efficiency

Specifications

8.75" H x 4.25" W x 18.75" D
Max 2000 CFM or 4500 Sq. Ft.

GUV100A83
GFI #4142

GeneralAire® Series UV Air Purifiers

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UV Air Purifiers

	Model	Air Treatment Irradiation	Target Disinfection	Electronic Regulating Ballast	High Output Intensity Rating	Appliance Coupler Disconnect	Lamp Indicator	Lamp Length and Wattage Output	Lamp Intensity Output Measured as mw/cm2 @1 meter	Super Plasma Broad Spectrum Quartz Lamp with Oxy Regulator	Photocatalytic Oxidation Process with 3500 SQ IN 24 SQ ft Anatase TiO2 VectorFlo® Semi-conductor	
	GUV 100A83 GFI #4142	Yes	Yes	Yes	Yes	Yes	Yes	16 inch UVC H-Lamp 36 watts GFI #4447	180			
	PCO 2450 GFI #4840	Yes	Yes	Yes	Yes	Yes	Yes	18 inch UVC 50 watts GFI #4448	135		Yes	
	MS24ER GFI #4460	Yes	Yes	Yes	Yes	50 VA GA3501 Transformer Required (Not Included)	Yes	14 inch UV m 20 watts GFI #4462	55 micro watts			

Voltage	QuartzCoat® Extend Lamp Life Coating	Application Range	Warranty	Brand Cross Reference				
				DUSTFREE MODEL	SOURCE 1 MODEL	HONEYWELL MODEL	TRIATOMIC MODEL	FIELD CONTROLS MODEL
120V or 240V	18,000 hours 2 year lamp efficiency	2000 CFM or 4500 Sq. Ft.	5 years	Triad Flex-Mount	S1-UV36120	UV100A1059 UV100A2008 UV100E3007	FreshAire UV	UV-12 UV-18 UV-28
120V or 240V	18,000 hours 2 year lamp efficiency	2000 CFM or 4000 Sq. Ft.	5 years	NA	S1-UV50120	NA		
24v	18,000 hours 1 year lamp efficiency	2000 CFM or 4000 Sq. Ft.	2 years	NA	NA	NA		

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Replacement Filters

Replacement Filter Media

4050 201-12880 MERV 11 Expandable Strung Media for Aprilaire® 2200. Standard Package: 9
(24-1/2" x 6-1/2" - 39 Pleats)

4051 401-13156 MERV 11 Expandable Media for AC24, Aprilaire® 2400. Standard Package: 9
(27-1/4" x 6-1/4" - 32 Pleats)

4001 12758 Micro Fiber MERV 11 Expandable Media for AC1, AC22. Standard Package: 9
(25" x 6" - 37 Pleats)

4401 13415 Micro Fiber MERV 11 Expandable Media for AC4. Standard Package: 6
(25" x 6" - 29 Pleats)

TERSus Replacement Filter Media

4572 MERV 13 F1021 16 X 25 X 4 } *TERSus*
4571 MERV 11 F1018 16 X 25 X 4 } *1200*

4562 MERV 13 F1020 20 X 25 X 4 } *TERSus*
4561 MERV 11 F1016 20 X 25 X 4 } *2000*

GFI
#4572
& #4571

GFI
#4562
& #4561

HEPA Replacement Components

4650 CMK500 Collar Mount Adaptor Kit for AC500

4620 RHF562 Replacement HEPA Filter for AC500

4610 ARK564 Annual Filter Replacement Kit
(2) 30% Pleated Pre-filters With Charcoal

GFI
#4620

GFI
#4610

GFI
#4650

GeneralAire® MAC Series

4541   6FM1625 MERV 11 16 x 25 x 5 Media for MAC 1400, 2400 Models
Also fits TRION AirBear Supreme 1400, replaces TRION
media part #255649-105. (Actual Dimension 16-1/8" x 24-1/4" x 4-15/16")

4551   6FM2025 MERV 11 20 x 25 x 5 Media for MAC 2000, 3000 Models,
MAC-L and Perfect Platform. Also fits TRION AirBear
Supreme 2000, replaces TRION media part #255649-102
(Actual Dimension 20-1/8" x 24-1/4" x 4-15/16")

4556   6FM2020 MERV 11 20 x 20 x 5 Media for MAC 2020
Also fits TRION AirBear Supreme 20x20; TRION media part #255649-103
(Actual Dimension 20-1/4" x 20-11/16"x 4-15/16")
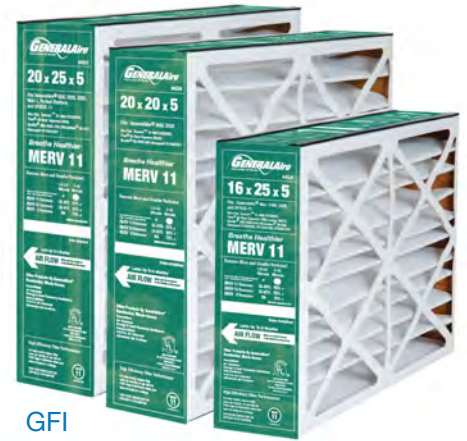
GFI #4551 — Standard Package: 6
GFI #4556 — Standard Package: 3
GFI #4541 — Standard Package: 6

Honeywell Series

NOW MERV 11

4365   11-GA100A03 16 x 20 MERV 11 Media
Replaces Honeywell part #FC100A1003
(Actual Dimension 15-13/16" x 19-3/4" x 4-3/8")

4366   11-GA100A29 16 x 25 MERV 11 Media
Replaces Honeywell part #FC100A1029
(Actual Dimension 15-13/16" x 24-13/16" x 4-3/8")

4367   11-GA100A11 20 x 20 MERV 11 Media
Replaces Honeywell part #FC100A1011
(Actual Dimension 19-13/16" x 19-3/16" x 4-3/8")

4368   11-GA100A37 20 x 25 MERV 11 Media
Replaces Honeywell part #FC100A1037
(Actual Dimension 19-13/16" x 24-11/16" x 4-3/8")

GFI #4365 — Standard Package: 5
GFI #4366 — Standard Package: 5
GFI #4367 — Standard Package: 3
GFI #4368 — Standard Package: 3

MAC1200M

MERV 8

4521   3FM1625 MERV 8 16 x 25 x 3 Media for MAC1200M
(Actual Dimension 16" x 24-1/4" x 2-15/16")
Also fits TRION AirBear Cub
Replaces TRION media part #255649-101

Standard Package: 10

Dehumidifier Replacement Filter Media

MERV 11

7143	MERV 11	$9^{3/4}$ x $11^{3/4}$ x $^{3/4}$	For DH75
7144	MERV 11	$11^{3/4}$ x $11^{3/4}$ x $^{3/4}$	For DH100
7133	MERV 11	$11^{3/4}$ x $11^{3/4}$ x $1^{3/4}$	For DH70
7134	MERV 11	$13^{3/8}$ x $13^{3/8}$ x $1^{3/4}$	For DH95

GFI #7133
GFI #7134
GFI #7144
GFI #7143

Replacement Filters

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Controls, Vapor Pads & Accessories

Water Savor™ Controller

7081 Water Savor™ Controller
- Save a minimum of 50% water draining from your humidiifer without reducing output!
- Install with any new or previously-installed flow-through bypass humidifier model
- Do NOT install with fan-powered, steam, or drum style humidifiers

Scan to Buy Online

Automatic Digital Humidistat

7050 GFX3 Automatic Digital Temperature Compensating Humidistat
- Wall or duct mount
- 24V
- 10% to 75% relative humidity control range
- Contemporary design
- Extremely accurate

- Can be used in manual or automatic mode
- Use in automatic mode by simply installing the outdoor temperature sensor
- Informative backlit display

Manual Control Duct or Wall Mount Humidistat

7038 MHX3C Manual Control Wall Mount Humidistat
- Manual mode operation
- Can be mounted on duct or wall
- Contemporary design for living space mounting

WMH3 Wall Mount Housing
Pre-Installed on Unit
GFI #7053

Manual Control Duct or Wall Mount Dehumidistat

7175 DHX3C Manual Control Wall or Duct Mount De-Humidistat
- Manual mode operation
- Contemporary design for living space mounting
- Included in box:
  7058 - Optional CRD3 Comfort Dial (to use as a humidistat)

AP-2

5539 Steam Success Kit
With the AP-2
Conductivity Meter

Measures water conductivity

Scan to Buy Online

Humidifier Vapor Pad®

7002 990-13 Replacement pad for GeneralAire® Legacy
 Humidifier models 709, 990, 1040, 1042, 1137 and SL16
 Also fits GeneralAire® Elite model 900 and 1000

7047 1099-20 Replacement pad for GeneralAire® (metal frame)
 Legacy Humidifier model 1099
 Also fits GeneralAire® Elite model 950

Humidifier Vapor Pad®

7919 GA19 Replacement pad for Elite Humidifier 900 & 1000

7923 GA23 Replacement pad for Elite Humidifier 950 & 1099LHS

Humidifier Vapor Pad®

7900 GA10 for GeneralAire® model 570
 Fits Aprilaire® models 110, 220, 558, 550 and 500
 Fits Honeywell models HE220 & HE225

7901 GA12 fits Aprilaire® models 224, 112, 440, 445A & 445

7902 GA35 fits Aprilaire® models 350, 360, 568, 560, 600,
 768, 760 & 700

*Watch a video demonstrating how to easily change the Vapor Pad®.
Also, learn why you should change your Vapor Pad® (rather than clean
it) on www.generalaire.com, under "Support" / "Video Library".*

24V Current Sensing Relay

7026 GA50 24 volt Current Sensing Relay, makes blower control
 isolation easy, great for humidifiers

7027 GA51 120 volt Current Sensing Relay, makes blower control
 isolation easy, great for electronic air cleaners and small load
 rated fans

Accessories

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Accessories

Orifices: Yellow, Orange, Blue, White & Red

7580   GA4231 Yellow Orifice for GeneralAire® models 570, 900, 1000; Aprilaire models 550, 500, 600

7581   GA4299 Orange Orifice for GeneralAire® model 950, 1099LHS

7587   GA4232 Blue Orifice for Aprilaire models 350, 360

7589   GA4007 White Orifice for Aprilaire models 110, 220

7590   GA4021 Red Orifice for Aprilaire models 112, 224

12 unit order increments only

DAX Cell Detergent

4746   9900 DAX EAC Cell Detergent is Non Caustic Non Acid. Clean every 3 months.

Strainer

7564   GA4004 for models 570, 900, 1000, 1099LHS
Also fits Aprilaire and Honeywell models

Fan Blade

7582   GA4247 for models 1000, 760, 700 & HE365

Motor

7584   GA4237 for models 1000, 760, 700 & HE365

Fan Motor and Fan Blade Assembly

7337   1137-8 Fan Motor for 1137

7350   1137-50 Fan Blade Assembly for 1137
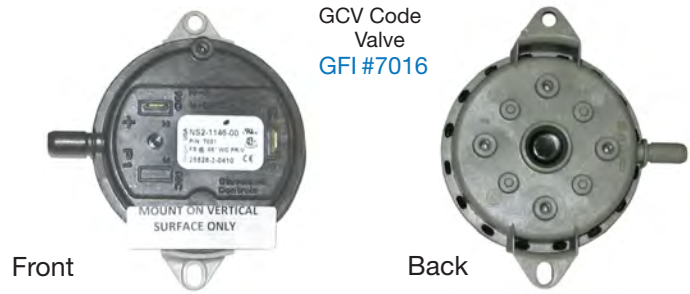
Relay Circuit Board

7586   GA4238 for models 1000, 1137, 700 & HE365

Air Pressure Proving Switch

7021   12502 Air Pressure Proving Switch
Range: 0.5" W.C.

GCV Code
Valve
GFI #7016

Front   Back

Code Valve

7016   GCV3412 is a 1/2" and 3/4" all in one universal sweat connection
1/4 turn water supply ball valve. A 1/4" compression fitting
accepts 1/4" copper tubing to supply water to the humidifier.
Valuable where plumbing codes require this feature. Standard
with all GeneralAire® Elite Automatic Humidifier Models.

Solenoid Valves

7014   990-53 Solenoid Valve 24V for model 1042, 1137
7052   1099-42 Solenoid Valve 24V for model 1099L/LH/R
7341   1137-17 Solenoid Valve 115V for model 1137
             For older models manufactured before July 2006

Solenoid Valve

7221   GA4040 24V with stainless steel seat
For GeneralAire® Elite flow-through humidifiers
Fits Aprilaire® model humidifiers
Fits Honeywell model humidifiers

50 VA Transformer

4305   GA3501

120 / 208 / 230 Primary to 24V Secondary
Multi-Mount: Foot Mount, Plate Mount, Spud Mount
Recommended for MicrobeSwatter® 24v UV Air Purifier

Air Filter Gage

4002   G99 Air Filter Gage:

It can be easy to forget about your air filter. GeneralAire® offers
an easy-to use, easy-to-read filter gage. The air filter media will
load with airborne particulates, raising the gage indicator arm to
the black zone and letting you know it's time to change your filter.

Black =
Dirty Filter!

Gage
Indicator
Arm

Blue = Clean Filter!

Accessories

Air Cleaner & UV Air Purifier Data

Minimum Efficiency Reporting Value (MERV)

An "overall" reporting value of a 52.2-evaluated air filter is the expression of the Minimum Efficiency Reporting Value (MERV). The MERV is a single number that is used, along with the air velocity at which the test was performed, to simplify the extensive data generated by the method of testing. MERV is expressed on a 16 point scale and is derived from the Particle Size Efficiency (PSE) for each of the three groups. (See Table 2: MERV Parameters.) The average PSE for each of the three groups (E1, E2, and E3) is referenced against the Minimum Efficiency Reporting Value Parameters.

Standard Test Airflow Rates

The Minimum Efficiency Reporting Value (MERV) must be stated with the air velocity at which the filter was tested. For example, if the filter was tested with an air velocity of 492 FPM and was found to be MERV 10, the filter's Minimum Efficiency Reporting Value would be MERV 10 @ 492 FPM. ASHRAE Standard 52.2 tests are to be conducted at one of seven airflow rates:

118 FPM (0.60 m/s)
246 FPM (1.25 m/s)
295 FPM (1.50 m/s)
374 FPM (1.90 m/s)
492 FPM (2.50 m/s)
630 FPM (3.20 m/s)
748 FPM (3.80 m/s)

Minimum Final Resistance

Final resistance must be at least twice the initial resistance at the test airflow rate, or the values in Table 2, whichever is greater.

Average Arrestance By Standard 52.1

Filters with an efficiency of less than 20% in E3 (MERV 1 through MERV 4) must be tested per the arrestance test of ASHRAE Standard 52.1

TABLE 1: ASHRAE 52.2 PARTICLE SIZE RANGES

Range	Size	Group
1	0.30 to 0.40	E1
2	0.40 to 0.55	
3	0.55 to 0.70	
4	0.70 to 1.00	
5	1.00 to 1.30	E2
6	1.30 to 1.60	
7	1.60 to 2.20	
8	2.20 to 3.00	
9	3.00 to 4.00	E3
10	4.00 to 5.50	
11	5.50 to 7.00	
12	7.00 to 10.00	

TABLE 3: MERV PARAMETERS

*Information provided from the National Air Filtration Association

Standard 52.2 Minimum Efficiency Reporting Value (MERV)	Composite Average Particle Size Efficiency, % in Size Range, μm			Average ASHRAE Arrestance, % by Standard 52.1 Method	Minimum Final Resistance	
	Range 1 (0.3-1.0)	Range 2 (1.0-3.0)	Range 3 (3.0-10.0)		PA	Inches of Water
1	n/a	n/a	E3 < 20	A_{avg} < 65	75	.3
2	n/a	n/a	E3 < 20	65 < A_{avg} < 70	75	.3
3	n/a	n/a	E3 < 20	70 < A_{avg} < 75	75	.3
4	n/a	n/a	E3 < 20	75 < A_{avg}	75	.3
5	n/a	n/a	20 ≤ E3 < 35	n/a	150	.6
6	n/a	n/a	35 ≤ E3 < 50	n/a	150	.6
7	n/a	n/a	50 ≤ E3 < 70	n/a	150	.6
8	n/a	n/a	70 ≤ E3	n/a	150	.6
9	n/a	E2 < 50	85 ≤ E3	n/a	250	1.0
10	n/a	50 ≤ E2 < 65	85 ≤ E3	n/a	250	1.0
11	20 ≤ E1	65 ≤ E2 < 80	85 ≤ E3	n/a	250	1.0
12	35 ≤ E1	80 ≤ E2	90 ≤ E3	n/a	250	1.0
13	50 ≤ E1	90 ≤ E2	90 ≤ E3	n/a	350	1.4
14	75 ≤ E1 < 85	90 ≤ E2	90 ≤ E3	n/a	350	1.4
15	85 ≤ E1 < 95	90 ≤ E2	90 ≤ E3	n/a	350	1.4
16	95 ≤ E1	95 ≤ E2	95 ≤ E3	n/a	350	1.4
17-20	≥99.97 - ≥ 99.9999%			n/a	n/a	n/a

UV Potency Required for Microbe Disinfection (measured as microWatt seconds per centimeter squared µW-sec/cm²)	
Bacteria	UV Dose
Bacillus Paratyphosus	6,100
Legionnella Bozemanii	3,500
Legionnella Micdadei	3,100
Mycobacterium Tuberculosis	10,000
Salmonella Enteritidis	7,600
Salmonella Typhi (Typhoid Fever)	7,000
Streptococcus Hemolyticus	5,500
Virus	UV Dose
Influenza	6,600
Infectious Hepatitis	8,000
Adeno Virus Type 3	4,500
Rotavirus	24,000
Mold	UV Dose
Aspergillus Amstelodami	77,000
Mucor Mucedo	77,000
Penicillium Chrysogenum	56,000
Yeast	UV Dose
Baker's Yeast	8,000
Brewer's Yeast	13,200
This chart is intended to illustrate the potential effectiveness of ultraviolet wavelength exposure to various bacteria microbes and is based on credible university and independent laboratory studies. General Filters, Inc. does not make any claims to accuracy of information.	

Calculating UV Wavelength Potency: Ultraviolet wavelength potency is measured at one meter from the lamp; an accepted standard measurement by lamp manufacturers. Calculate ultraviolet radiation potency at measured distances by multiplying the potency of the lamp (µW/cm² @ 1 meter) by the potency factor. *Example*: Multiply the GUV100A83 potency output of (180 µW/cm² @ 1 meter) by the distance of 2 inches (69 Potency Factor) = 12,420 µW-sec/cm².

Distance from Lamp	Potency Factor	Distance from Lamp	Potency Factor
0	354	12	12
1	127	15	6
2	69	20	4
4	32	25	3
6	20	30	2
8	14	35	1.4
10	13	39.97	1

GeneralAire® Model	Lamp Length	Voltage	Lamp Output in Watts	HOTC Electronic Regulating Ballast	Max SQ FT Range	Lamp Potency µW/cm² @ 1 meter	Ballast Warranty
GUV100A83	16 "	120/230	36	Yes	4500	180	5 year
PCO2450	18"	120	50	Yes	4000	135	5 year
MS24ER	14"	24	20	Yes	4000	55 Microwatts	3 Year

*The MS24ER requires a 50VA
Transformer (GA3501 - GFI #4305)

GENERAL FILTERS
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PRODUCT GUIDE

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