IAQ Informational Booklet

Aprilaire® CASPR GROUP GENERALAire

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Nu-Calgon *Website: www.apiofnh.com* RGF ENVIRONMENTAL GROUP, INC.

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Air Cleaners, Humidifiers, Dehumidifier, Thermostats and Whole Home Air Purification Systems

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Proper Humidity Reduces The Transmission of Viruses.

API OF NH DELTA T
A MUNCH'S SUPPLY COMPANY

PRODUCTS TO HELP COMBAT CORONAVIRUS

"Ask Us About Our IAQ Products"

Improve Your Air to Help Protect Against Airborne Viruses

Aprilaire MERV 16 Filters capture up to 96%* of airborne virus-sized particles 0.03 to 0.3 microns in size, and 99%* of particulate that are 0.3 microns or larger

The Aprilaire Model 5000 Electronic Air Cleaner eliminates 90%* of airborne virus-sized particulate. The Model 5000 eliminates airborne particulate as small as 0.01 microns, or something one-tenth the size of the coronavirus

The Aprilaire Model 5000 is very effective at capturing ultra-fine particles similar in size to many viruses

Particles pass through an ionizing field, become positively charged and are attracted to the filtering media where they eventually dry out and become desiccate inert

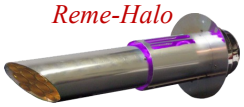
***Contaminates removed based on air passing though the filtering system**

Aprilaire®

Humidity Control

MERV 16

Reme-Halo



RGF ENVIRONMENTAL GROUP, INC.

Whole Home Air Purification System

RGF Clear Sky MS Min-Split Cleaning

RGF CML Commercial PHI Unit

- Eliminates VOCs 2x faster than previous REME models
- Reduction of smoke, odors, VOCs, allergens, dust, and particulates
- Reduces airborne and surface microbial, bacteria, viruses and mold
- Mercury and ozone free
- Long life replaceable LED cell module with 2.5x longer life than current mercury vapor UV lamp technologies

RGF Min-Split Cleaning System

Guardian Air Plug In Plus Air Purification System

fantech

HEPA Filtration Unit & Filter

CM 3000 HEPA Filtration Unit

- Whole House HEPA filtration unit.
- Clean and filter the air of Mold spores, pet dander, cooking odors, dust, dust mites and their by-products
- Collects 99.97% of particles down to 0.3 microns

HEPA Filter

iWave-R

Air Purification Systems

Nu-Calgon

iWave ClenAir by Nu-Calgon

iWave-C

iWave-V

iWave-M

Now is a Good Time to Review Your Customers Preventive Maintenance Program.

Earn More Revenue on The Air Cleaners You Install.

HEALTHY AIR SYSTEM

Air Cleaners	Nominal	Included Filters	Compatiable Repalcement Filter	Merv Rating
#2216	20” x 25”	216	213CBN, 213, 210	16
#2416	16” x 25”	416	413CBN, 413, 410	16
#2516	31” x 28”	516	513CBN, 513, 510	16
#2210	20” x 25”	213	216, 213CBN, 210	13
#2310	20” x 20”	313	310	13
#2410	16” x25”	413	416, 413CBN, 410	13
#1110	16” x 20”	110	113	11
#1210	20” x 25”	210	216, 213CBN, 213	11
#1310	20” x 20”	310	313	11
#1410	16” x 25”	410	416, 413CBN, 413	11
#1510	31” x 28”	510	516, 513CBN, 513	11
#1610	16” x 25”	410	416, 413CBN, 413	11
#1620	20” x 25”	210	216, 213CBN, 213	11
#1910	25” x 20”	910	913	11
#5000	16” x 25”	501	Electronic Air Cleaner	

Upgrade Kits	Comppatible With	Included Filter	Rails Model Number	Merv Rating
#1213	Aprilaire/Space-Guard 2200	213	4893	13
#1413	Aprilaire/Space-Guard 2400	413	4894	13

Aprilaire Air Cleaners

Aprilaire Model 5000 Air Purifier

The Aprilaire Model 5000 Air Purifier is the only air purifier that captures more than 98% of dirty indoor air.

The Model 5000:

- Captures and kills particles less than a micron in size (up to 120 times smaller than a human hair)
- Performs 24 hours a day or on demand
- Prevents dust build up in your house
- Includes an air cleaner controller
- Maximizes the life of your heating and cooling equipment
- Improves energy savings by keeping your HVAC equipment clean
- Requires maintenance just once a year

Aprilaire Model 1410 Air Purifier

The Aprilaire Model 1410 Air Purifier provides highly efficient, whole-home air cleaning and effective removal of pollen and mold. Compare this to a standard 1" air filter, which isn't an air purifier, and doesn't do any of these things.

The Model 1410:

- Permanently traps indoor allergens that can lead to respira
- Removes 94% of pollen and mold
- Removes 72% of airborne bacteria and fungi
- Removes 56% of dust particles

[Model 5000](#)	[Model 3000 Series](#)	[Model 2000 Series](#)	[Model 1000 Series](#)
Best for: • Asthma • Severe allergies • Respiratory issues • Dust build-up • Heating and cooling equipment protection	Best for: • Moderate allergies • Dust build-up • Includes model 8476 programmable thermostat • Heating and cooling equipment protection	Best for: • Moderate allergies • Dust build-up • Heating and cooling equipment protection	Best for: • Dust build-up • Heating and cooling equipment protection
Removes: • 99% of mold and pollen • 98% of dust and pet dander • 98% of bacteria and fungi • 98% of tobacco smoke and smog • 80% of viruses and ultra-fine particles	Removes: • 98% of mold and pollen • 97% of bacteria and fungi • 96% of dust and pet dander • 75% of tobacco smoke and smog	Removes: • 98% of mold and pollen • 97% of bacteria and fungi • 96% of dust and pet dander • 75% of tobacco smoke and smog	Removes: • 94% of mold and pollen • 72% of bacteria and fungi • 56% of dust and pet dander

Aprilaire®
Your Partners in Comfort®

Air Cleaners

General Filters Inc.

Air Cleaners

Remove Harmful Particulates From Indoor Air.

Installing a quality GeneralAire® Air Cleaner can reduce allergy and asthma symptoms and improve other chronic health conditions adversely affected by harmful particulates in your home's air.

GeneralAire® MAC series whole-house air cleaners feature opti-fiber media that captures particulates deep within the layers of the media fiber. Free of chemical binders, MAC series air cleaners remove particulates indoors to leave you with fresher air, so you can breathe healthier indoors.

- **GeneralAire TERSUS2000** Air Cleaner 3 in 1 Merv 13 Filter UVC Germicidal Air Purification and Photocatalytic Oxidataion VOC Reduction Technology.
- **GeneralAire Mac2020 Merv 11** 20X20X5 Media Aire Cleaner 4530 *(Accepts)* 20x20x5 Media.
- **GeneralAire Mac2000 Merv 11** 20x25x7 Media Air Cleaner 4500 Mega-Mac *(Accepts)* 20x20x5 Media Merv 11.
- **GeneralAire Mac2000 Merv 11** 16x25x5 Media Air Cleaner 4510 Mighty-Mac * (Accepts)* 16x25x5 Media Merv 11
- **GeneralAire Mac2000 Merv 8** 16x25x5 Media Air Cleaner 4520 Accepts 16x25x3 Media Merv 8
- **MAC-L Right Angle Air Cleaner Merv 11** Media Cleaner 4540 Accepts 20x25x5 Media Merv 11
- **GeneralAire Mac1400** Merv 11 16x25x5 Media Air Cleaner 4510 Mighty Mac *(Accepts)* 16x25x5 Media Merv 11
- **GeneralAire Mac1200M Merv 8** 16x25x5 Media Air Cleaner 4520 Accepts 16x25x3 Media Merv 8

"Helping You Grow Your Business
Every Step of The Way"

CFM
CONTINENTAL FAN

Down-Load Our New API Mobile App
&
Order On-Line From Anywhere

Finally a Floor Mounted Air Cleaner for Home's Without Duct!

CX Air Purifiers

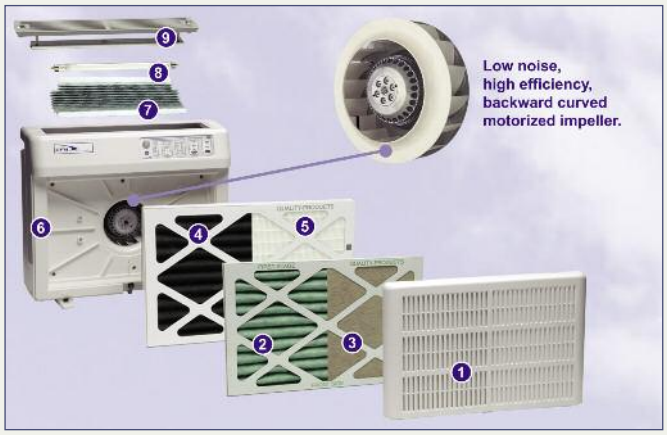
better AIRFLOW *by* DESIGN™

API OF NH DELTA T
A MUNCH'S SUPPLY COMPANY
www.apiofnh.com

In Stock Now At All API of NH / Delta T Locations

Call 1-800-628-2157

CX1000 Portable Air Purifier



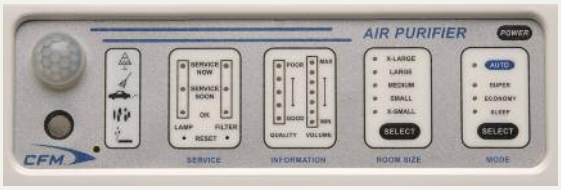
1. Air inlet grille with safety lock
2. Pre-filter
3. 1st stage gas adsorption layer
4. 2nd stage gas adsorption layer
5. Hospital grade HEPA filter
6. High impact ABS plastic
7. Photo-catalytic converter
8. High output germicidal UVC lamp
9. Air outlet grille with safety lock

Computerized Electronic Controls

CX1000 electronic controls feature an infrared motion detector and toxic chemical sensor to monitor air quality.

Electronic Sensors detect:

* Aerosols
* Pesticides
* Smog
* Ozone
* Dust
* Chemicals
* Industrial Pollution
* Carbon Monoxide
* Tobacco Smoke
* VOC's



CX Air Purifiers

CX1000 Portable Air Purifier

CX1000 Portable Air Purifier uses a six-stage process to purify indoor air:

1. Treated Pre-Filter - Removes Particles to 5 Microns
2. Activated Carbon Filters (2) - Reduce Toxic Chemicals and Gases
3. Hospital Grade HEPA Filter - Purges Allergens to 0.3 Microns
4. Reactive Catalyst - Neutralizes VOC's, Toxic Chemicals and Odors
5. UVC Light - Renders Germs, Viruses and Bacteria Harmless
6. Negative Ions and Activated Oxygen - Keep Air Fresh and Clean

CX Specifications

Model	CX1000 Portable Air Purifier	CX3000GS Ducted Air Purifier
Unit Dimensions	21.3"w x 19.0"h x 8.0"d	25.5"w x 21.0"h x 10.0"d
Unit Weight / Ship Weight	23 lbs / 29 lbs	28 lbs / 35.5 lbs
Maximum Air Flow	265 cfm	2,170 cfm
Power Consumption	110 watts	45 watts
Voltage	1/120V/60	1/120V/60
Blower	Backward-curved motorized impeller	N/A
UVC Lamp(s)	10 watts	(2) 22 watts per bulb (44 watts total)
Microwatts at surface per cm^2	16,000	21,000
Microwatts @ 1'	540	1,125
UV Range	254 NM (germicidal)	254 NM (germicidal)
Filters	5 micron pre-filter	Electrostatic needled fiber MERV-11
	0.3 micron hospital grade HEPA filter	
1st Stage Gas Treatment Layer	Activated carbon	N/A
2nd Stage Gas Treatment Layer	Activated carbon	N/A
Application	1,000 sq. ft. (automode)	3,000 sq. ft.
Service Interval	UVC lamp 1 year, filters 2 years	UVC lamp 1 year, filters 6 months
Catalyst	Metal Oxides	Metal Oxides
Warranty	2 years excluding lamp and filters	2 years excluding lamps and filters

"Helping You Grow Your Business Every Step of The Way"

Aprilaire®

Now is a Good Time to Review Your Customers Preventive Maintenance Program. Earn More Revenue on The Air Cleaners You Install.

Aprilaire Expanded Lineup of Replacement Filters Gives You More Options to Sell to Homeowners Based on Their Unique Needs.

While the HVAC system alone cannot prevent the transmission of coronavirus, The CDC & ASHRAE have recommended air filters with a MERV 16 rating to help a home's HVAC system to reduce airborne infectious particulate.

	Air Cleaners	Nominal Size (in Inches)	Included Filter	Compatible Replacement Filters*
			MERV 16	
2000 Series	#2216	20 x 25	216	213CBN, 213, 210
	#2416	16 x 25	416	413CBN, 413, 410
	#2516	31 x 28	516	513CBN, 513, 510
			MERV 13	
	#2210	20 x 25	213	216, 213CBN, 210
	#2310	20 x 20	313	310
	#2410	16 x 25	413	416, 413CBN, 410
			MERV 11	
1000 Series	#1110	16 x 20	110	113
	#1210	20 x 25	210	216, 213CBN, 213
	#1310	20 x 20	310	313
	#1410	16 x 25	410	416, 413CBN, 413
	#1510	31 x 28	510	516, 513CBN, 513
	#1610	16 x 25	410	416, 413CBN, 413
	#1620	20 x 25	210	216, 213CBN, 213
	#1910	25 x 20	910	913
			ELECTRONIC Air Cleaner	
5000 Series	#5000	16 x 25	501	

Press on Any Models Above For More Information

	UPGRADE KITS	Compatible With	Included Filter	Rails Model Number
MERV 13	#1213	Aprilaire/Space-Gard 2200	213	4893
	#1413	Aprilaire/Space-Gard 2400	413	4894

Aprilaire®

HEALTHY AIR SYSTEM

EFFECTIVE VIRUS PROTECTION

Experts recommend fresh air ventilation, air filtration and humidity control to help reduce infectious airborne disease.

The Aprilaire Healthy Air System can help. Contact ABC Heating & Cooling today!

MERV 11 REMOVAL EFFICIENCY
37% 0.3 - 1.0 MICRONS
67% 1.0 - 3.0 MICRONS
92% 3.0 - 10.0 MICRONS

MERV 13 REMOVAL EFFICIENCY
37% 0.3 - 1.0 MICRONS
67% 1.0 - 3.0 MICRONS
92% 3.0 - 10.0 MICRONS

MERV 13 REMOVAL EFFICIENCY
37% 0.3 - 1.0 MICRONS
67% 1.0 - 3.0 MICRONS
92% 3.0 - 10.0 MICRONS

MERV 16 REMOVAL EFFICIENCY
37% 0.3 - 1.0 MICRONS
67% 1.0 - 3.0 MICRONS
92% 3.0 - 10.0 MICRONS

Speak to Any API of NH / Delta T Representative or Call 1-800-628-2157

API of NH	API of NH	Manufacturing Shop	Delta T	Delta T	Delta T	Delta T	Delta T
190 Zachary Rd.	50 Campus Drive	428 Dow Hwy.	56 Dewey Ave.	10 Elizabeth Drive	301 Second Ave.	40 Kenwood Circle	51 Mathewson Drive
Manchester, NH 03109	Portsmouth, NH 03801	Eliot, ME 03093	Warwick, RI 02904	Chelmsford, MA 01824	Waltham, MA 02453	Franklin, MA 02038	E. Weymouth, MA 02189
P: 603-668-7810	P: 603-430-7820	P: 207-703-2722	P: 401-861-1776	P: 978-244-1475	P: 781-893-0800	P: 508-528-6660	P: 781-812-2740
F: 603-668-6120	F: 603-430-7840	F: 207-703-2724	F: 401-861-1750	F: 978 244-1472	F: 781-893-6740	F: 508-528-6685	F: 781-812-2327

General Filters Inc.

Air Filters

Remove Harmful Particulates From Indoor Air.

Air Cleaners	Nominal	Description	Merv Rating
MAC 3000:	20" x 25"x 5"	6FM2025 (GFI #4551)	11
		GeneralAire 6FM2025 Merv 11 Media Filter 20" x 25" x 5" 4551 for MAC2000 & MAC-L	
MAC 2400:	16" X 25" X 5"	6FM1625 (GFI #4541)	11
		GereralAire 6FM1625 Merv 11 Media Filter 16" x 25" x 5" 4541 for MAC1400	
MAC 2020:	20" x 25"x 5"	5FM2020 (GFI #4531)	11
		GeneralAire 6FM2020 Merv 11 Media Filter 20" x 20" x 5" 4556 for MAC2020	
MAC 2000:	20" x 25"x 5"	5FM2025 (GFI #4501)	11
		GeneralAire 6FM2025 Merv 11 Media Filter 20" x 25" x 5" 4551 for MAC2000 & MAC-L	
MAC 1400:	16" X 25" X 5"	5FM1625 (GFI #4511)	11
		GeneralAire 6FM1625 Merv 11 Media Filter 16" x 25" x 5" 4541 for MAC1400	
MAC-L:	20" x 25"x 5"	6FM2025 (GFI #4551)	11
		GeneralAire 6FM2025 Merv 11 Media Filter 20" x 25" x 5" 4551 for MAC2000 & MAC-L	
MAC 1200M:	16" X 25" X 3'	3FM1625 (GFI #4521)	8
		GeneralAire 3FM1625 Media for MAC1200 16" x 25" x 3" Merv 8 4521	

Fiberglass & Polyester Reinforced Panel Filters

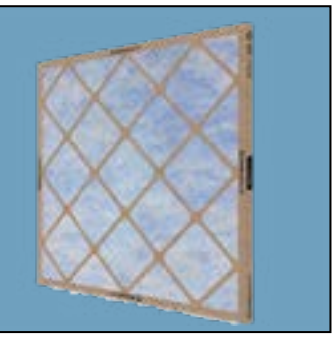
Standard & High Capacity Pleated Filters

SelectF

The SelectF is a cost-effective and efficient disposable fiberglass panel filter enclosed in a Kraft board channel frame.

SelectFDC

The SelectFDC is a cost-effective and efficient, heavy duty, and disposable fiberglass filter in a durable Kraft board, two-piece die cut frame.



SelectPDC

The SelectPDC is a cost-effective and efficient, heavy duty, and disposable polyester filter in a durable Kraft board, two-piece die cut frame.

Prime8

The Prime8 is a medium efficiency pleated air filter, created to provide high efficiency, high dust holding capacity and low pressure drop.

Prime8HC

The Prime8HC is a high capacity, pleated air filter, created to provide high efficiency, high dust holding capacity and low pressure drop.

PAMLICOAIR

Better the Air You Breathe!

Prime Series

Pleated Filters

Prime10

The Prime10 is an extended surface filter created to provide high efficien-cy and low pressure drop that performs at superior levels.

Prime11

The Prime11 is a high efficiency pleated air filter that provides higher ini-tial efficiencies and better overall performance.

Prime11HC

The Prime11HC is a high efficiency pleated air filter that provides higher initial efficiencies and better overall performance.

Prime13

The Prime13 is a high efficiency pleated air filter that provides higher ini-tial efficiencies and maximizes life cycle cost.

ProPac Series

The ProPac Series filters are ASHRAE rigid box-style with header option and available in various efficiencies.

HART COOLEY

Multi-Pleated Air Filters Filter

Multi-Pleat XL8 Mechanical MERV 8 Extended Surface Pleated Panel Filters

The Koch Multi-Pleat XL8 is a medium efficiency extended surface pleated panel filter, engineered to provide higher initial efficiencies and overall superior performance than standard pleated filters. The Multi-Pleat XL8 carries a MERV 8 and MERV-A 8 performance rating in accordance with ASHRAE Test Standard 52.2-2007.

The MERV 8 and MERV-A 8 performance rating provided by the Multi-Pleat XL8 make the filter an excellent upgrade from disposable filters and standard MERV 6 and 7 rated pleated filters. The Multi-Pleat XL8 is the best selection in applications such as hospitals, laboratories, pharmaceutical plants, commercial office buildings, and in any system in which a higher degree of indoor air quality is required.

Multi-Pleat XL8 Construction

The Multi-Pleat XL8 media is produced with an optimal blend of highly specialized fibers, developed by Koch Filter Corporation specifically for use in extended surface air filters. Developed to deliver a "one of a kind" performance, this specialized media operates on mechanical filtration principles which provide high efficiency, low pressure drop and high dust holding capacity.

The Koch Multi-Pleat XL8 maintains a MERV 8 performance rating before and after conditioning steps when tested in accordance to ASHRAE Test Standard 52.2-2007 and 52.2-2007 Appendix J.

Two Media Area Capacity Levels

The Multi-Pleat XL8 is an extremely versatile line of pleated panel filters which can be used in a wide variety of filtration systems worldwide.

In order to meet the different requirements found in these applications, Koch offers the XL8 Series in two media area capacity levels.

Standard Capacity

Standard Capacity XL8-SC filters provide a combination of efficiency, economy, and excellent overall performance. Standard Capacity XL8 filters are an excellent choice in applications where filter change schedules are based on preventive maintenance schedules.

High Capacity

- 30% more media High Capacity XL8-HC filters are similar in construction to the Standard Capacity but have the added advantage of approximately 30% more media. The additional media results in extended filter life, making the XL8-HC the ideal filter for use in filtration systems where filter change schedules are predicated on recommended final pressure drop readings.

Protect Your Family From Overly Dry Air

When you use the Aprilaire Model 800 Humidifier, you eliminate the unhealthy and damaging effects of overly dry air on your family and home

Aprilaire Model 800 Air Humidifier

The Aprilaire Model 800 Humidifier is a steam humidifier designed for home applications where evaporative units are less practical. The Model 800:

The Model 800:

Accommodates crawl spaces, attics and areas of the country with milder winters and non-forced air heating.
Provides humidity to the largest of homes (up to 6,200 square feet).
Features truly automatic control but can be installed in manual mode as well.

Aprilaire Model 600 Air Humidifier

The Aprilaire Model 600 Humidifier is one of the best-performing bypass humidifiers on the market. As a large-capacity unit, the Model 600:

The Model 600:

Features a built-in bypass damper, which means fewer parts to install
Delivers up to 50% more moisture than competitive units
Has an evaporation capacity of 0.70 gallons per hour
Humidifies tightly constructed homes up to 4,000 square feet in size.

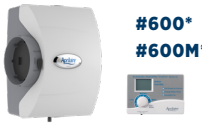
Aprilaire®

Whole-Home Humidifiers for Non-Ducted Applications

Answer The Demand for Humidity Control In Your Market

HUMIDITY CONTROL

Humidifiers – Part of the Aprilaire Healthy Air System

	Humidifiers	Type of Humidification	Unit Size Width x Height x Depth	Plenum Opening	Capacity GPD = Gallons Per Day	Electrical Data	Water Panel/ Canister
800 SERIES	**#800††** **#801*****	**Steam** For applications when evaporative units are less practical (attics, crawl spaces, closets, milder winter climates, non-forced-air heating source).	10⅛" x 20⅞" x 7⅛"	-	11.5 GPD 16.0 GPD 20.5 GPD 30.0 GPD 23.3 GPD 34.6 GPD	120V 60Hz 11.5 AMP 120V 60Hz 16 AMP 208V 60Hz 11.5 AMP 208V 60Hz 16 AMP 240V 60Hz 11.5 AMP 240V 60Hz 16 AMP	80††
800 SERIES	**#865** **866*****	**Ductless Steam** Includes the Model 800, Fan Pack, Model 65 Control and Model 4028 Drain Trap. For homes without forced-air heating systems.	**Fan Pack:** 14"x 6²⁹⁄₃₂"x 3¹⁵⁄₁₆" **Finished Grille:** 16³⁄₁₆" x 9" x 1³⁄₃₂"	-			
700 SERIES	**#700*** **#700M****	**Fan Powered Evaporative** Built-in fan that pulls heated air directly from the furnace.	15²⁹⁄₃₂" x 18" x 10¹¹⁄₃₂"	W: 14¾" H: 14⁵⁄₁₆"	18 GPD	120V 60Hz 0.8 AMP	35
600 SERIES	 **#600*** **#600M****	**Large Bypass Evaporative** Uses the furnace blower to move air through a Water Panel®.	15⅜" x 15¾" x 10¼" 6" dia. round opening	W: 10" H: 12¾"	17 GPD	24V 60Hz 0.5 AMP	35
500 SERIES	**#500*** **#500M****	**Small Bypass Evaporative** Designed for smaller homes.	15⅝" x 13" x 10¼" 6" dia. round opening	W: 9½" H: 9½"	12 GPD	24V 60Hz 0.5 AMP	10
400 SERIES	**#400*** **#400M****	**Water Saver Bypass Evaporative** Uses 100% of water and evaporative technology that eliminates the need for a drain. Conserves Water.	15⅜" x 15¾" x 10¼"* 6" dia. round opening See note on heat pumps†	W: 10" H: 12¾"	17 GPD	24V 60Hz 0.5 AMP	45
300 SERIES	NEW! **#300**	**Self-Contained Evaporative** For boilers, mini-splits, radiant heat and ductless systems.	14⅜" x 12½" x 22³⁄₃₂	-	13 GPD	120V 60Hz 0.7 AMP	35

5 YEAR WARRANTY

MADE IN THE USA

HUMIDIFIER SIZING GUIDELINES GPD Needed Per Square Foot** Based on Building Structure Tightness

Structure Tightness	VOLUME OF BUILDING (FT³)						
	8000	12000	16000	20000	24000	32000	40000
	BUILDING FLOOR AREA (FT²) WITH 8 FT CEILINGS						
	1000 Ft²	1500 Ft²	2000 Ft²	2500 Ft²	3000 Ft²	4000 Ft²	5000 Ft²
Tight	3.3 GPD	5.0 GPD	6.7 GPD	8.3 GPD	10.0 GPD	13.4 GPD	16.7 GPD
Average	6.7 GPD	10.0 GPD	13.4 GPD	16.7 GPD	20.0 GPD	26.7 GPD	33.4 GPD
Loose	10.0 GPD	15.0 GPD	20.0 GPD	25.0 GPD	30.1 GPD	40.1 GPD	50.1 GPD

***Automatic Digital Control** (shown)

****Manual Control** – For those rare occurrences where an automatic control is not practical, Aprilaire offers the same great humidifiers with a mechanical control.

*****801 & 866 Modulating Steam Humidifier** – For precise RH control. Controls are sold separately.

†**Heat Pumps** – Model 400 can be installed in heat pump applications. However, due to the fact that heat pumps deliver lower temperature air to the home than gas furnaces, evaporation will be approximately 60% of rated capacity. (With other Aprilaire models, hot water can be used instead of cold to maximize evaporation. However, due to the nature of the wicking water panel in the Model 400, hot water provides less benefit). As such, your dealer will need to take the size and age of your home into consideration to ensure the Model 400 will provide satisfactory comfort and protection through adequate humidification.

††**Model 800LC** available with 80LC canister for less conductive water 75-300µS/cm and 120VAC applications.

‡**AHRI Air Conditioning, Heating, and Refrigeration Institute GPD = Gallons Per Day Guideline F** A family of 4 will add 2 gallons of humidity per day through everyday activities like breathing, cooking, bathing and washing. Evaporative capacities assume blower is active 100% of the time, plenum temperature is at 120˚F and water is cold.

Bypass Humidifiers – Can be installed on the supply or return plenum.

Water Usage Rate – Model 300 is 6 gph (gph=gallons per hour); Models 500, 600 and 700 are 3 gph; Model 400 is 0.7 gph; Model 800 is 0.6 to 1.8 gph depending on voltage, amp draw and water quality.

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P.O. Box 1467
Madison, WI 53701-1467
800.334.6011 F: 608.257.4357

Aprilaire®

Aprilaire Humidifiers & Whole Home Dehumidifiers

Whole-Home Humidifiers

Humidifiers	Descriptions
300	Aprilaire 300 Humidifier Self-Contained Evaporative
350	Aprilaire 350 Humidifier Ducted Style 7”
360	Aprilaire 360 Humidifier Wall Style
400	Aprilaire 400 By-Pass Humidifier with Automatic Digital Control
500	Aprilaire 500 By-Pass Humidifier with Automatic Digital Control
600	Aprilaire 600 By-Pass Humidifier with Automatic Digital Control
600M	Aprilaire 600M By-Pass Humidifier with Manual Control
700	Aprilaire 700 Power Humidifier with Automatic Digital Control
800	Aprilaire 800 Steam Humidifier (12 Lbs. Per Hour)

Whole-Home Dehumidifiers

Dehumidifiers	Descriptions	Pints A Day
1830	Aprilaire 1830 Dehumidifier (70 Pints a Day) 10” Round Outlet	70
1850	Aprilaire 1850 Dehumidifier with Built-In Digital Control (95 Pints a Day) 5,000 Sq. Ft. 10” Round Outlet	95
1852	Aprilaire 1852 Dehumidifier R410A (Stand Alon Unit / No Duct Required) 95 Pints a Day 5,000 Sq. Ft on Caster Collar Included if Needed	95
1870	Aprilaire 1870 Dehumidifier (130 Pints a Day)	130
E080	Aprilaire 080 Dehumidifier (80 Pints a Day) 10” Round Outle E-Series	80
E100	Aprilaire E100 Dehumidifier with Built-In Digital Control (100 Pints a Day) 5,000 Sq. Ft. 10” Round Outlet E-Series	100
E100C	Aprilaire E100C Dehumidifier R410A (Stand alone Unit / No Duct Required) 100 Pints a Day 5,000 Sq. Ft. on Caster Collar Included if Needed	100
E130	Aprilaire E130 Dehumidifier (130 Pints a Day) E-Series	130

Aprilaire®

e-series™

Delivering Best-In-Class Humidity Control

Energy Efficient | Expanded Capacity | Ease of Install

INSTOCK NOW

ADDITIONAL ENERGY STAR MODELS COMING SOON

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e-series™

Our best-in-class dehumidifiers, now more powerful and more efficient.

Energy Efficient

Removes moisture with less energy

Expanded Capacity

More pints per day

Ease of Install

Supports all critical applications

aprilairepartners.com

E-series

Part number will reflect each units capacity for more effective application sizing.

Energy Efficient

Removes moisture with less energy

Expanded Capacity

More pints per day

Ease of Install

Supports all critical applications

Press on Any Models Below For More Information

	Old Model Numbers	Coming Soon New E-series Model Numbers	New Capacity
12.5"W x 12.5"H x 25"L	1820	**E070**	**70 ppd**
14"W x 15"H x 26"L	1830	**E080**	**80 ppd** ENERGY STAR PENDING
	1830W	**E080H**	
14"W x 15"H x 26"L	1850	**E100**	**100 ppd** ENERGY STAR PENDING
	1852	**E100C**	
	1850W	**E100H**	
19.5"W x 18.75"H x 30"L	1870	**E130**	**130 ppd** Most Efficient 2021
	1872	**E130C**	
	1870W	**E130H**	

Models with **C** have casters.
Models with **H** are hardwired.

E100V+8190FF Ventilation and Dehumidification Kit

Bring in Healthy Fresh Air and control humidity with one easy to install solution. Increased air flow and efficacy to meet and exceed code requirements.

ENERGY STAR Pending
Patent Pending

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Aprilaire®

Dehumidifier

Model E080 | Specification Sheet

SPECIFICATIONS	
Capacity	
@ 80°F/60% RH	80 ppd
@ 73°F/60% RH	65 ppd
Energy Factor	
@ 80°F/60% RH	2.8 L/KW-h
@ 73°F/60% RH	2.35 L/KW-h
Airflow @ varying E.S.P. (external static pressure - dry coil)	
0.0″ w.c.	185 CFM
0.2″ w.c.	135 CFM
0.4″ w.c.	85 CFM
Voltage, phase, frequency	120VAC, 1 phase, 60 Hz
Current draw[1]	5.1 Amps
Noise	45 dBA ducted
Dimensions: (cabinet only)[2]	Width 14″ Height 15″ Length 26″
Unit Weight **Shipping Weight**	63 lbs. 81 lbs.
Inlet air operating conditions during	
-Dehumidification:	50°F–104°F, 40°F dew point min.
-Ventilation:	40°F–140°F, 0%–99% RH (non-condensing)

[1]Rated capacity, energy factor and current draw measured at 80°F/60% RH inlet air at 0.0 ESP.
[2]Height does not include adjustable feet. The width excludes the filter doors and length excludes the duct collars.

FEATURES	
Control[3]	Built-in digital control with display
Control mounting option	Top or front-mounting options
Cabinet insulation	½″ EPS
Air discharge orientation	Top or end
Inlet/Outlet duct collars	10″ dia.
Backdraft damper at outlet	Included
Filter	Washable MERV 8 (Part Number 5881)
Refrigerant	R410A
Coil type	Corrosion-resistant aluminum
8′ Power cord[4]	Plug type (E080 only)
Hardwire option	Yes, field-configurable
Discharge air temperature rise	10°F–30°F
Drain connection[5]	¾″ MNPT Threaded
Warranty	5 Years

[3]Built-in automatic control capable to be set up for dehumidification and ventilation or zoning.
[4]Model E080H is a hardwired unit and doesn't ship with a power cord.
[5]Adapters for threaded connection or plastic hose included.

Intertek

5 YEAR WARRANTY

MADE IN THE USA

Aprilaire® E-series

Most Efficient 2021
ENERGY STAR www.energystar.gov

MODELS:
E080: Includes 8 ft. power cord
E080H: Terminal connection for hardwiring

PRINCIPLE OF OPERATION

The Aprilaire E080 Dehumidifiers are designed to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil to drop the air temperature below the dew point of the air. Moisture is removed from the air and drained out of the unit to a common floor or waste drain. The air is then reheated in the condenser coil and exits the unit.

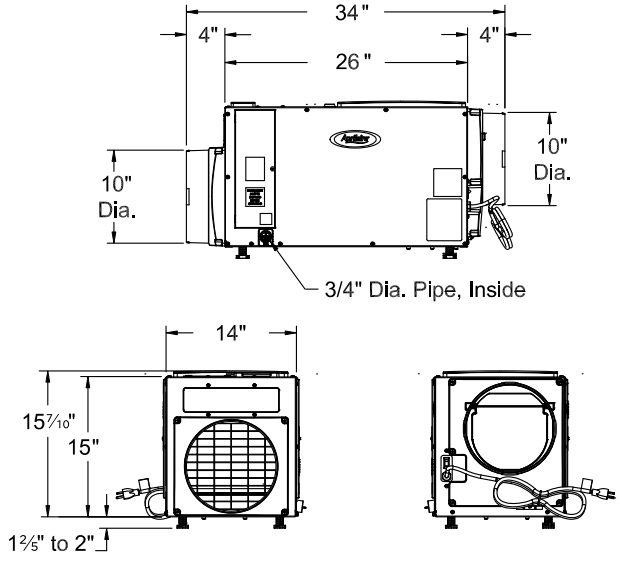
Dehumidification occurs until the set point is reached, then shuts off until periodic sampling determines a need for operation.

APPLICATION

The E080 Dehumidifiers are perfect for a wide range of applications, including whole-home dehumidification and control of moisture in basements and crawl spaces.

CIRCULATION

The E080 can also be programmed to circulate the air within a crawl space. This evens out relative humidity levels and temperature in the space, eliminating variations in the environment.



Dehumidifier

Model E100 | Specification Sheet

SPECIFICATIONS	
Capacity[1]	100 ppd
Energy Factor[1]	2.6 L/kW-h (5.5 pints/kW-h)
Airflow @ varying E.S.P. (external static pressure - dry coil)	
0.0″ w.c.	280 CFM
0.2″ w.c.	245 CFM
0.4″ w.c.	210 CFM
Voltage, phase, frequency	120VAC, 1 phase, 60 Hz
Current draw[1]	6.9 Amps
Noise	55 dBA ducted
Dimensions: (cabinet only)[2]	Width: 14″ Height: 15″ Length: 26″
Unit Weight **Shipping Weight**	64 lbs. 82 lbs.
Inlet air operating conditions during	
-Dehumidification:	50°F–104°F, 40°F dew point min.
-Ventilation:	40°F–140°F, 0%–99% RH (non-condensing)

[1]Rated capacity, energy factor and current draw measured at 80°F/60% RH inlet air at 0.0 ESP.
[2]Height does not include adjustable feet. The width excludes the filter doors and length excludes the duct collars.

FEATURES		
Model	**E100/E100H**	**E100C**
Casters or leveling feet	Leveling feet	Casters
Control[3]	Built-in digital control with display	
Control mounting option	Field-interchangeable from top to front	
Cabinet insulation	½″ EPS	
Air discharge orientation	Top or end	
Inlet/Outlet duct collars	10″ dia.	
Backdraft damper at outlet	Included	
Filter	Washable MERV 8 (Part Number 5881)	
Refrigerant	R410A	
Coil type	Corrosion-resistant aluminum	
8′ Power cord[4]	Plug Type (E100, E100C only)	
Discharge air temperature rise	10°F–30°F	
Drain connection[5]	¾″ MNPT Threaded	
Included drain tubing	None	10′ length
Warranty	5 Years	

[3]Built-in automatic control capable to be set up for dehumidification and ventilation or zoning.
[4]Model E100H is a hardwired unit and doesn't ship with a power cord.
[5]Threaded barbed fitting included.

MODELS:
E0100: Includes 8 ft. power cord
E0100C: Uses casters instead of leveling feet
E0100H: Terminal connection for hardwiring

Aprilaire® E-series

Most Efficient 2021 ENERGY STAR www.energystar.gov

PRINCIPLE OF OPERATION

The Aprilaire E100 Dehumidifiers are designed to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil to drop the air temperature below the dew point of the air. Moisture is removed from the air and drained out of the unit to a common floor or waste drain. The air is then reheated in the condenser coil and exits the unit.

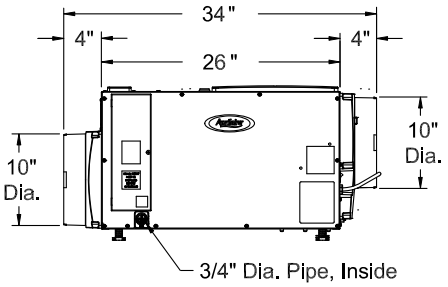
Dehumidification occurs until the set point is reached, then shuts off until periodic sampling determines a need for operation.

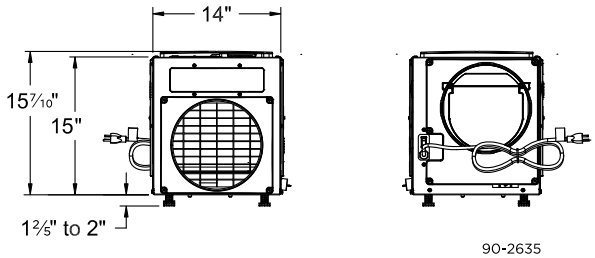
APPLICATION

The E100 Dehumidifiers are perfect for a wide range of applications including whole-home dehumidification and control of moisture in basements and crawl spaces.

CIRCULATION

The Model E100 can also be programmed to circulate air, which evens out relative humidity levels and temperature in the treated space, eliminating variations in the environment.





c ETL US LISTED Intertek

5 YEAR WARRANTY

MADE IN THE USA

90-2635

Dehumidifier

Model E130 | Specification Sheet

SPECIFICATIONS		
Model	**E130/E130H**	**E130C**
Capacity		
	@ 80°F/60% RH	130 ppd
	@ 73°F/60% RH	105 ppd
Energy Factor		
	@ 80°F/60% RH	2.9 L/kW-h
	@ 73°F/60% RH	2.35 L/kW-h
Airflow @ varying E.S.P. (external static pressure - dry coil)		
	0.0″ w.c.	310 CFM
	0.2″ w.c.	270 CFM
	0.4″ w.c.	225 CFM
Voltage, phase, frequency	120VAC, 1 phase, 60 Hz	
Current draw[1]	8.3 Amps	
Noise	50 dBA ducted	
Dimensions: (cabinet only)[2]	Width: 19½″ Height: 18¾″ Length: 30″	
Unit Weight **Shipping Weight**	98 lbs. 115 lbs.	
Inlet air operating conditions during		
-Dehumidification:	50°F–104°F, 40°F dew point min.	
-Ventilation:	40°F–140°F, 0%–99% RH (non-condensing)	

[1]Rated capacity, energy factor and current draw measured at 80°F/60% RH inlet air at 0.0 ESP.
[2]Height does not include adjustable feet. The width excludes the filter doors and length excludes the duct collars.

FEATURES		
Model	**E130/E130H**	**E130C**
Casters or leveling feet	Leveling feet	Casters
Control[3]	Built-in digital control with display	
Control mounting option	Field-interchangeable from top to front	
Cabinet insulation	½″ EPS	
Air discharge orientation	Top or end	
Inlet/Outlet duct collars	10″ dia.	
Backdraft damper at outlet	Included	
Filter	Washable MERV 8 (Part Number 5569)	
Refrigerant	R410A	
Coil type	Corrosion-resistant aluminum	
8′ Power cord[4]	E130 Plug Type/ E130H Hardwired	Plug Type
Discharge air temperature rise	10°F–30°F	
Drain connection[5]	¾″ MNPT Threaded	
Included drain tubing	None	10′ length
Warranty	5 Years	

[3]Built-in automatic control capable to be set up for dehumidification and ventilation or zoning.
[4]Model E130H is a hardwired unit and doesn't ship with a power cord.
[5]Threaded barbed fitting included.

MODELS:
E130: Includes 8 ft. power cord
E130C: Uses casters instead of leveling feet
E130H: Terminal connection for hardwiring

Aprilaire® e-series

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ENERGY STAR
www.energystar.gov

PRINCIPLE OF OPERATION

The Aprilaire E130 Dehumidifiers are designed to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil to drop the air temperature below the dew point of the air. Moisture is removed from the air and drained out of the unit to a common floor or waste drain. The air is then reheated in the condenser coil and exits the unit.

Dehumidification occurs until the set point is reached, then shuts off until periodic sampling determines a need for operation.

APPLICATION

The E130 Dehumidifiers are perfect for a wide range of applications including whole-home dehumidification and control of moisture in basements and crawl spaces.

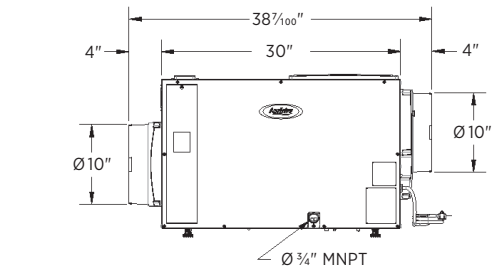
CIRCULATION

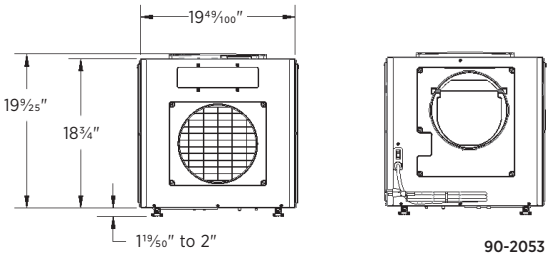
The E130 can also be programmed to circulate the air within a crawl space. Circulating the air evens out relative humidity levels and temperature in the space, eliminating variations in the environment.

C SA US

5 YEAR WARRANTY

MADE IN THE USA





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Aprilaire Dehumidifier

Protect Your Family From the Effects of Excess Humidity

When you use the Aprilaire Model 1850 / 1850W Dehumidifier, you get high-capacity protection and comfort. Find a dealer near you to decide if the Model 1850 / 1850W is right for you based on your home's size, age and construction.

Aprilaire Model 1850 Dehumidifier

Accommodates crawl spaces, attics and areas of the country with The Aprilaire Model 1850 / 1850W Dehumidifier designed for whole-home dehumidification, basements, crawlspaces and sealed attics. The Model 1850/1850W:

The Model 1850:

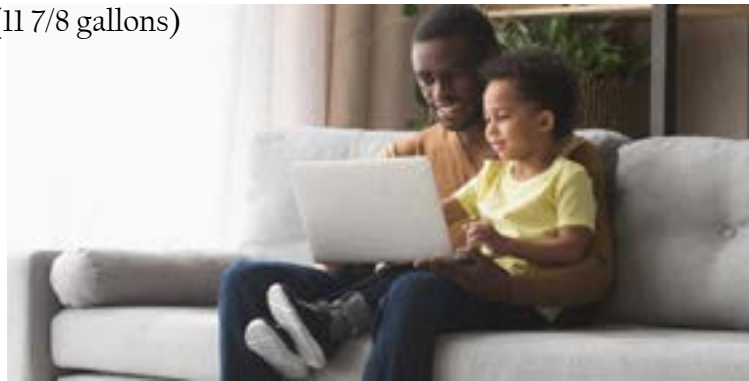
- Removes up to 95 pints (11 7/8 gallons) of moisture per day!
- Provides dehumidification for homes up to 5,200 square feet
- Comes with a 5-year warranty
- Made in USA

Aprilaire Model 1850F Dehumidifier

The Aprilaire Model 1850F Dehumidifier is a free standing dehumidifier designed for non-ducted applications. The Model 1850F:

The Model 1850F:

- Has the capacity to remove up to 95 pints of moisture per day (11 7/8 gallons)
- Provides dehumidification for homes up to 5,000 square feet
- Comes with a 5-year warranty
- Made in USA



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Aprilaire®
Trusted Solutions For A Healthy Home®

Every System Requires A Filter

Choose One Designed for Superior Protection and Fewer Callbacks

Include Aprilaire High Efficiency Air Cleaners on Every System

1. REDUCE PROFIT-ROBBING CALL BACKS
2. LOW SYSTEM STATIC
3. 10-YEAR COIL GUARANTEE
4. TRAPS MORE PARTICLES
5. LOW BYPASS

Clean Air is Healthy Air
Pure and Simple

Let's clear the air. Help your customers breathe easy by installing Aprilaire whole-home air purifiers and filters that can capture up to *96% of virus-sized particulates on every job.

Whole Home Air Cleaners

8145
Fresh Air Ventilator

Model 800
Steam Humidifier

Motorized Dampers
Full Zoning Product Line

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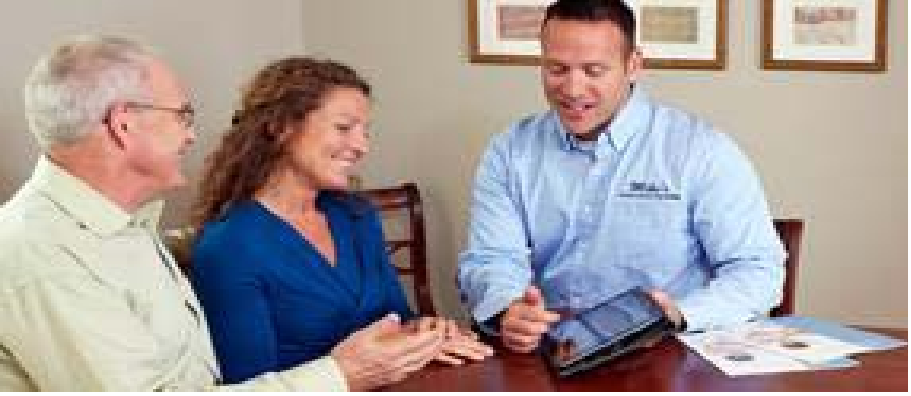


Aprilaire Wi-Fi Thermostats with IAQ Control, Non Programmable Thermostats, Programmable Thermostats, Home Automation Thermostats

Control your heating, cooling and overall comfort with Aprilaire

You may not spend much time thinking about your thermostat and which one is right for your home. But perhaps you should. A properly designed thermostat can do much more than just turn your heating and cooling system on and off. Your comfort goes beyond temperature. So your thermostat should be an easy-to-use command center that lets you control and customize your entire home comfort experience—and save on energy costs. That's why we created an entire family of digital thermostats to meet any home's specific needs.

Aprilaire Model 8466 Thermostat

The universal Aprilaire Model 8466 Thermostat is a programmable thermostat that allows you to create personalized programs based on your lifestyle. This enables you to control your heating and cooling system for total comfort and efficiency. The simple addition of a Model 8466 programmable thermostat offers:

The Model 8466:

- Energy savings: Set back the temperature overnight and when you're away. According to the U.S. Environmental Pro-tection Agency, a programmable thermostat can save you up to 30% on energy costs annually.
- Progressive recovery: This feature ensures your home is always at your desired temperature by activating the heating and cooling equipment prior to a scheduled setting; so your desired temperature is assured just when you want it.
- Can control Single Stage or Multistage standard or heat pump systems.

Aprilaire Model 8463 Thermostat

The Aprilaire Model 8463 Thermostat is a programmable thermostat that allows you to create personalized programs based on your lifestyle. This enables you to control your heating and cooling system for total comfort and efficiency. The simple addition of a Model 8463 programmable thermostat offers:

The Model 8463:

- Energy savings: Set back the temperature overnight and when you're away. According to the U.S. Environmental Protection Agency, a programmable thermostat can save you up to 30% on energy costs annually.
- Progressive recovery: This feature ensures your home is always at your desired temperature by activating the heating and cooling equipment prior to a scheduled setting, so the temperature set point is reached when you desire.

Aprilaire Wi-Fi Thermostats with IAQ Control, Non Programmable Thermostats, Programmable Thermostats, Home Automation Thermostats

Aprilaire Model 8600 Universal Touch Screen Thermostat

Comfort and control are just a touch away with the Aprilaire Model 8600 touchscreen thermostat. It has the precision temperature accuracy and effortless programmability you need to achieve total comfort and energy efficiency—and it's simple to use.

The Model 8600:

- Energy savings: Set back the temperature overnight and when you're away. According to the U.S. Environmental Protection Agency, a programmable thermostat can save you up to 30% on energy costs annually.
- Progressive recovery: This feature ensures your home is always at your desired temperature by activating the heating and cooling equipment prior to a scheduled setting.

Aprilaire Model 8620W Wi-Fi Thermostat with IAQ Control

Features & Benefits:

When paired with the appropriate Aprilaire whole-home air quality solution, the Model 8620W Wi-Fi Thermostat can be configured to control air purity and one of the following: humidification, dehumidification or ventilation.

The Aprilaire Model 8620W Wi-Fi Thermostat with IAQ Control:

Along with precision temperature accuracy and effortless programmability, the Model 8620W Wi-Fi Thermostat gives you options for controlling the remaining aspects of indoor air quality—humidity, fresh air and air purity. All that, and it's simple to use!

- Saves you money on energy costs: Set back the temperature overnight and when you're away. The Wi-Fi Thermostats improve accessibility. "Away" and "Heat Blast" buttons allow easy over-ride of the schedule.
- Offers Event-Based™ Air Cleaning: When paired with a Whole-Home Aprilaire Air Purifier, this feature allows you to clean your home's air on your terms.
- Offers humidity or air freshness control options

Aprilaire
Your Partners In Comfort

Aprilaire Wi-Fi Thermostats with IAQ Control, Non Programmable Thermostats, Programmable Thermostats, Home Automation Thermostats

Aprilaire Model 8476W Wi-Fi Thermostat with IAQ Control

The universal Model 8476W Wi-Fi Thermostat with IAQ Control is an easy-to-use programmable thermostat that offers customizable control over your home's temperature and air freshness for total comfort and efficiency.

The Model 8476W Wi-Fi Thermostat:

Allows you to clean your air on your terms: Event-Based™ Air Cleaning circulates air throughout your home periodically throughout the day or for a specific period of time to provide greater comfort through cleaner air and more even temperatures.

- Helps you save on energy costs: Set back the temperature overnight and when you're away. The Wi-Fi Thermostat improves accessibility. "Away" and
- "Heat Blast" buttons allow easy over-ride of the schedule anytime, anywhere. Features progressive recovery: This ensures your home is always at your desired temperature by activating the heating and cooling equipment prior to a scheduled setting.

Aprilaire Model 8910W Wi-Fi Thermostat with IAQ Control is for homeowners who want total comfort and control over all aspects of indoor air quality. As the most comprehensive controller Aprilaire offers, the Model 8910W goes beyond simple temperature management to include humidity, air purity and air freshness control. All of these indoor air essentials come into perfect balance with one, easy-to-operate touchscreen control.

The Aprilaire Model 8910W Wi-Fi Thermostat with IAQ Control:

- Saves you money on energy costs: Set back the temperature overnight and when you're away. The Wi-Fi Thermostats improve accessibility. "Away" and "Heat Blast" buttons allow easy over-ride of the schedule.
- Offers Event-Based™ Air Cleaning: When paired with a Whole-Home Aprilaire Air Purifier, this feature allows you to clean your home's air on your terms.
- Offers humidity or air freshness control options

Smart ecobee thermostats

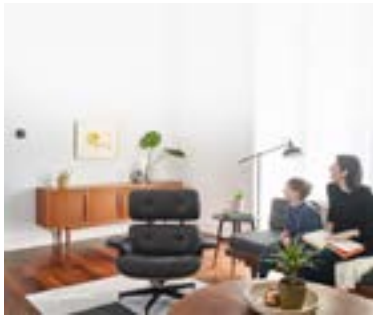
Live in balance with smart thermostats that harmonize energy savings and home comfort.

ECOBEE EB-STATE5P-01

Ecobee EB-STATE5P-01 Pro with Free Room Sensor and Built-In Amazon Alexa Voice Service 4H/2C 2H/2C Supports: Humidifier, Dehumidifier, HRV, ERV, and Wi-Fi Enabled 5 Year Warranty-Remote Management-7 Day Programmable-Humidity Sensing Dual Fuel.

ECOBEE EB-SMARTSI-01

Ecobee EB-SMARTSI-01 Home Series Smart Thermostat Internet Enabled 7 Day Programmable Vacation Programming 2H/2C Auto-Changeover Humidity Sensing Contractor Branded Alerts & Maintenance*



ECOBEE EB-STATE3LTP-02

Ecobee EB-STATE3LTP-02 3 Lite Pro T-Stat TouchScreen Color Display Apple/Echo Enabled 4H/2C 2H/2C 5 Year Warranty Dual Fuel

ECOBEE EB-RSHM2PK-01

Ecobee EB-RSHM2PK-01 Smart Sensor 2 Pack Compatible w / Ecobee Smart Therostat Pro w / Voice Control, Works (Ecobee 4 Pro, Ecobee3 Lite Pro, and Ecobee3 Pro)

CASPR works with the ambient air in your environment to create oxidizing molecules, like hydrogen peroxide. The molecules neutralize molds, viruses, bacteria, odors, and VOCs, at the cellular level then revert back to hydrogen and oxygen molecules. There is no build up of hydrogen peroxide; the technology is safe to use in occupied spaces. Every CASPR units provides an up to 99.96% kill rate on surfaces. The medical-grade unit, CASPR Medik, is more powerful and suitable for higher level pathogens like MRSA, Clostridium difficile, VRE, and Aspergillus Niger.

CASPR PRO units are installed in your HVAC supply where they utilize ambient air to create active molecules, including hydrogen peroxide. These molecules then exit your HVAC ducts, circulate the targeted area, and land on all surfaces providing continuous micro-burden reductions. CASPR is up to 99.96% effective against molds, bacteria, and viruses, and has the added benefit of reducing odors and VOCs. Once these bad pathogens are neutralized at the cellular level, the oxidizing molecules created by CASPR then revert back to their original state (hydrogen and oxygen).

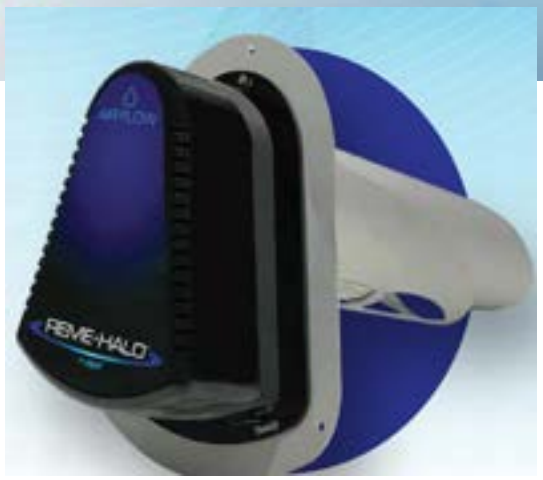
CASPR PRO solutions come in a variety of sizes; each is designed to target a specific amount of square footage with the appropriate Parts Per Million (PPM) of active molecules. The levels generated are effective against harmful pathogens but safe for people, pets, and plants. Depending on the solution, the device will cover 400, 1000, 2500, or 5000 square feet. To learn what size is best for you, our team of experts review your HVAC plans and develop an installation plan. Installation can be completed by any licensed HVAC professional, and is a quick and easy process.

CASPR Compact

While CASPR offers multiple in-duct HVAC products, we know that installation is not feasible for every home or office. We created the CASPR Compact to ensure that no matter the situation, CASPR technology is able to protect your air and surfaces CASPR Compact unit which also provides up to 1500 square feet of air and surface disinfection. CASPR Compact is the same great technology as our industrial-grade in-duct units offering continuous levels of .01 PPM of hydrogen peroxide to protect your space. Multiple units can be added to cover even more space.

CASPR Compact is a plug-and-play solution that requires no installation. You simply plug into your wall outlet and turn it on! With the push of a button, you are able to protect your surfaces and air space for up to 1,500 square feet. Multiple CASPR Compacts can be added to cover even more square footage for larger homes or businesses.

The CASPR Compact is less than a foot tall, weighs under 10 pounds, and plugs into any standard wall outlet. Like all CASPR products, CASPR Compact offers continuous, 24/7 air & surface protection. Based on non-stop usage, replacement parts are required every 2 years.



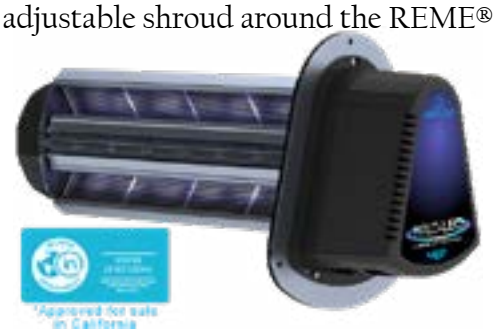
The REME-HALO®
Total Indoor Air Purification System

The REME-HALO® utilizes RGF's patented REME® Cell technology with UV-C light to create low level, airborne hydrogen peroxide throughout the air-conditioned space reducing airborne and surface bacteria, viruses, odors, and mold. The REME-HALO® in-duct air purifier actively neutralizes pollutants at the source ensuring excellent indoor air quality.

Why use RGF's REME-HALO®?

The REME-HALO® utilizes RGF's patented REME® Cell technology to recreate nature's process of purifying the air. When installed into the existing air conditioning or heating system air ducts, the REME-HALO® produces airborne Hydrogen Peroxide that is distributed through the HVAC system and into the conditioned living space. Unlike passive air technologies, which need pollutants to pass through the unit for purification or filtration, the REME-HALO® actively purifies pollutants at the source.

- Dual ionizers to reduce airborne particulates (dust, dander, pollen, mold spores)
- Kills up to 99% of bacteria, mold and viruses
- REME® reduces sneeze germs by 99% in the time a sneeze can reach three feet.
- New zinc ions kill 99% of viruses on surfaces
- Unlike portable units that are limited to the room in which they are placed, the REME HALO® provides whole home and building purification.
- Easily integrated with your existing HVAC system. The unit doesn't take away living space and operates silently
- Two (2) quick release features for easy, no tool, cell replacement
- Incorporates an adjustable shroud around the REME® cell, which allows customization of the advanced oxidation plasma output.



Element Air™
A Division of RGF Environmental Group, Inc.

In-Duct Plus

A Photohydroionization® (PHI) Technology

Most facilities do not check the air for microorganisms on a daily or monthly basis. Bacteria and mold can continuously breed within the environment and on plants. RGF® developed this air treatment system to provide continuous protection in sensitive air spaces.

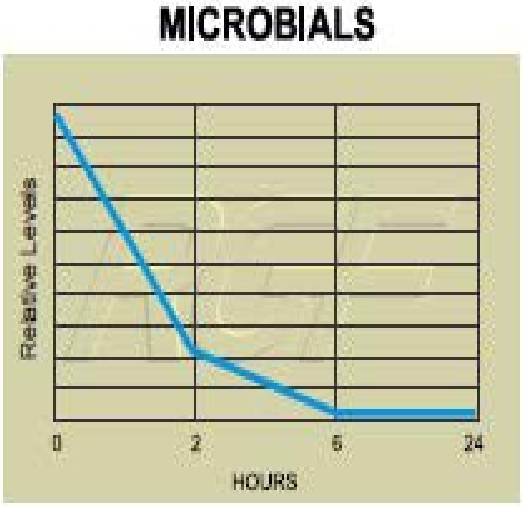
Air passes through a REME® / PHI oxidation chamber, which destroys airborne microbes with high intensity UV light rays targeted on a quad-metallic compound. The process develops a highly charged atmosphere of hydroxyl radicals, hydro-peroxides and super oxide ions. This atmosphere oxidizes contaminants in the air with friendly oxidizers. By friendly oxidizers, we mean oxidizers that revert back to oxygen and hydrogen after the oxidation process. No chemical residue or dangerous compounds are emitted from the system. Airborne contaminants in the form of bacteria, mold, and yeast continue to be one of the least addressed issues in most facilities.

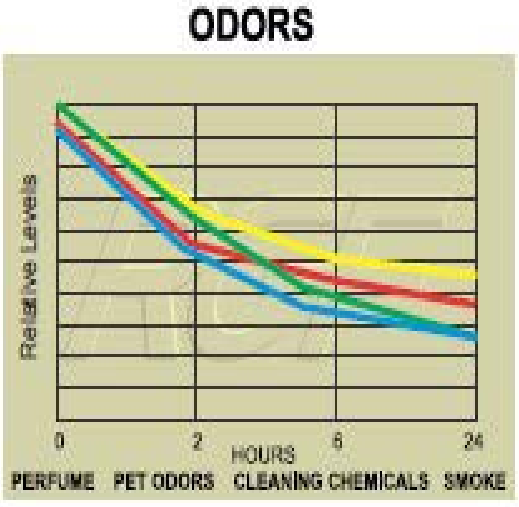
REDUCES

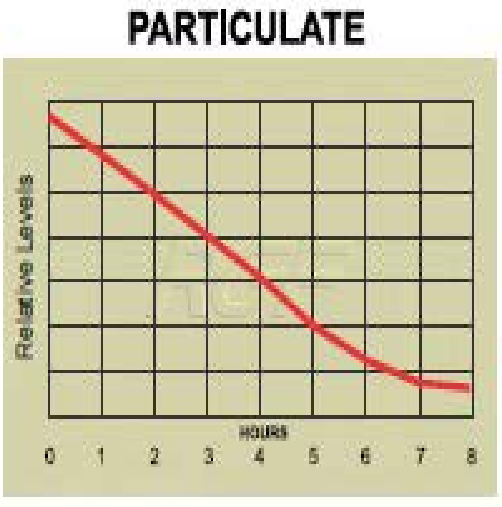
Microbials
Mold
Bacteria
Pathogens
OdorsNOCs

APPLICATIONS

Greenhouses
Cultivation rooms
Large harvest rooms
Processing rooms







Results from controlled laboratory testing. Results may vary depending on conditions of the environment

Mini Split PHI-Air Purification System

The Mini Split PHI System by RGF® is a PHI Cell® technology. The product is easily mounted onto a mini split AC unit without modification by using hook-and-loop adhesive strips. The Mini Split PHI incorporates its own pull out reusable copper/silver ionic germicidal electro static filter and installs into any 100-277 VAC 50/60 Hz power supply (typically at the input power to the mini split unit).

RGF-PKG™ Commercial Air Purification System

The RGF-PKG™ package unit uses RGF's patented Photohydroionization® (PHI-CELL®) technology to reduce airborne and surface bacteria, viruses, odors, VOCs (chemical odors), and mold*. RGF-PKG™ package units are designed specifically for use where the supply duct is not accessible and large commercial applications. They utilize adjustable magnetic feet with vibration dampers to attach without fasteners to the HVAC blower unit or PKG Rack System, making installation fast and simple. RGF-PKG™ package units are available with 5", 9" and 14" PHI-CELLS®.

RGF's new PKG-Rack™ systems are often used for commercial installations where several RGF-PKG™ package air purification units are required. Each PKG-Rack™ system provides convenient installation for up to eight (8) PKG-14 units. The PKG-Rack™ system offers customer the ability to quickly and efficiently add active air purification to the largest commercial air handlers and roof top HVAC systems

ITEM #	HVAC BLOWER SIZE	TONNAGE	DIMENSIONS	SHIP WEIGHT
PHI-PKG5-24V	250* to 1,200 CFM	Up to 3.5 ton	2.25"W x 10.5"L x 1.7"D	1 lb.
PHI-PKG9-24V	1,200 to 3,000 CFM	3.5 to 7.5 ton	2.25"W x 13.5"L x 1.75"D	1 lb.
PHI-PKG14-24V	3,000 to 8,000 CFM	7.5 to 20 ton	2.25"W x 18.5"L x 1.75"D	2 lb.
CUV-PPS-KIT	N/A	N/A	N/A	N/A

BLU QR® UV Stick Light

Keeping your HVAC coils clean from mold and mildew growth is easy with RGF's patented, high quality BLU QR® UV Stick Light! BLU QR® features our exclusive quick-release lamp, which requires no tools for the lamp replacement. It comes standard with four easy-to-install mounting options right in the box, including the magnetic mount, through panel mount, bracket mount and direct mount. RGF's BLU QR® is undoubtedly the premier UV stick light technology and is far superior to anything offered in the industry today.

The patented BLU QR® economically provides UV light disinfection and protection to the AC coil surfaces from bacteria, viruses, mold and mildew growth and odor. This results in a cleaner and more efficient energy-saving system.

RGF® ENVIRONMENTAL GROUP, INC.

ISO 9001:2015 Certified Company

Plug In Plus Air Purification System

A Photohydroionization® (PHI) Technology

Reduces Airborne

•Smoke •Mold •VOCs

•Odors •Bacteria •Viruses

Benefits

- **Plugs into existing outlets**
- **No wiring required**
- **Economical**
- **Low Maintenance**
- **Up to 800 sq. ft. coverage**
- **Light weight**
- **Compact**
- **Built in night light**
- **Hidden mounting screws prevents theft**
- **Built in electrical outlet**
- **2 year warranty**

TÜV SÜD NRTL C US

Conforms to:
UL-867:2011
CAN/CSA C22.2
No. 187-M1986

Order Part# PIP-GA

Ideal for homes, hotel rooms, suites, public restrooms, offices, locker rooms and more!

The Guardian Air Plug In Natural Air Purification System provides bacteria, mold, odor and VOCs (chemical odors) reduction. The advantage of the Guardian Air Plug In is its ability to be used in any room and be completely inconspicuous. The Guardian Air Plug In plugs directly into a wall outlet and can be used with or without its internal fan. Because it has its own outlets as part of the unit, you do not lose the wall outlet. The Guardian Air Plug In is an air treatment system not a filter.

The Problem:

Indoor air pollution is now considered by the EPA and Congress to be one of America's most seroius environmental health problems. Tightly sealed buildings and homes may be more energy efficient but can trap pollutants and microbes indoors causing allergies odors, mold and illness.

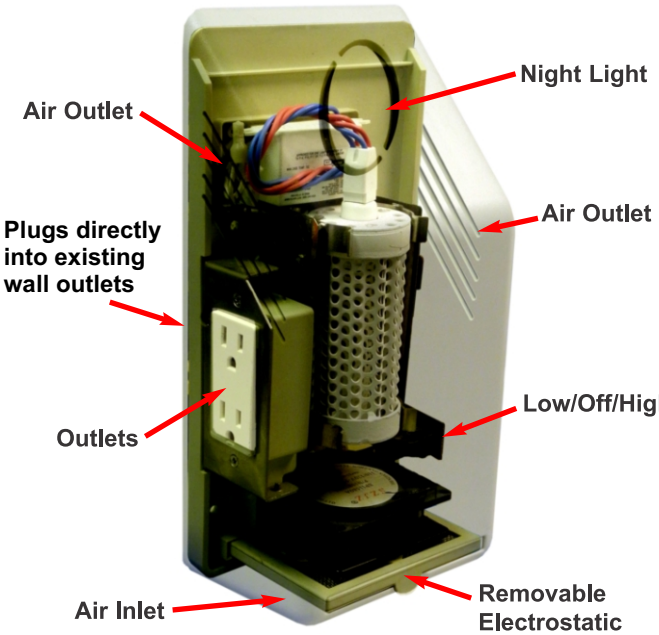
The Solution:

The Guardian Air Plug In by RGF has proven to drastically reduce odors, smoke, mold, fungi, VOCs (chemical odors) and bacteria found in many rooms. Airborne bacteria and mold reduction is normally in the 90+ percentile.

The Technology:

The Guardian Air Plug In utilizes RGF's Photohydroionization® technology which creates super oxide ions, hydroperoxides, hydroxides and UV light targeted on a hydrated quad-metallic target to develop an advanced oxidation plasma.

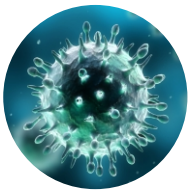
You don't lose your outlet!



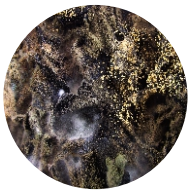
Optional anti-theft mounting screws

Optional anti-theft mounting screws

Bacteria
99% Reduction



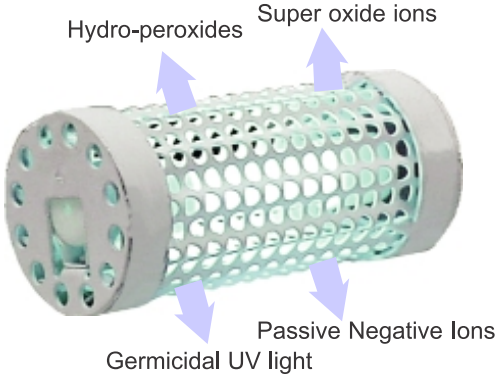
Viruses
99.99% Reduction



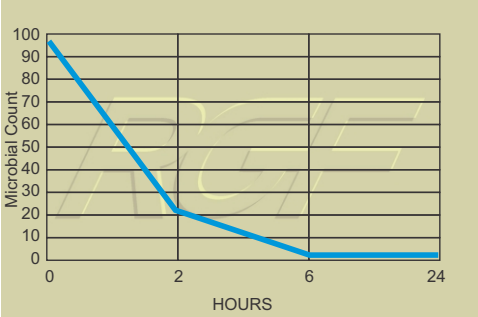
Mold
97% Reduction

Gases and Odors
85% Reduction

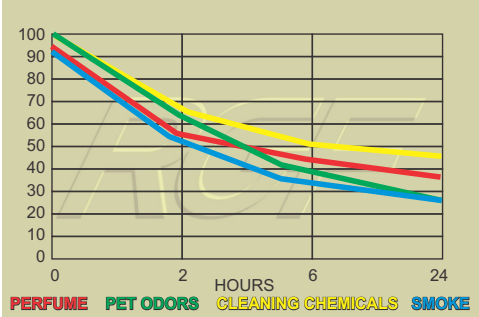
RGF's PHI-Cell®



MICROBIALS



ODORS



SPECIFICATIONS

Dimensions:	6.25" w x 3.75" d x 10" h
Electrical:	110 VAC 50 watts
Controls:	On / Off /Low /High
Weight:	2 lbs.
Material:	Aluminum/ Polymers
Advanced Oxidation:	Less than .04 ppm
Replacement PHI Cell:	(1) PHIC-PIP-GA
Coverage:	Up to 800 sq ft

Note: Not recommended for installation on external GFCI outlets (if required, a panel box type GFCI breaker must be used).

RGF Environmental Group, Inc.

1101 West 13th Street Riviera Beach Florida 33404 800 842-7771 • 561 848-1826 • Fax 561 848-9454 • www.rgf.com

DOC# Spec-0390 Rev A Approved LB

iWave Air Ionization Systems

Nu-Calgon introduces iWave, a new advanced air ionization technology to the HVACR market. This patented and OEM approved technology called needlepoint bi-polar ionization uses carbon fiber brushes to produce a refined electrical charge to proactively clean the air in residential and commercial buildings. The iWave approach produces equal amounts of positive and negative ions that reduce certain viruses and bacteria, particles, smoke, odors and VOCs in the air, creating a cleaner environment. iWave is UL 867 ozone standard certified to produce no unsafe levels of ozone.

iWave®-R

4900-20

With technology installed in over 200,000 applications worldwide, iWave-R is a self-cleaning, bi-polar ionization system specially designed for residential duct air conditioning systems up to 6 tons (2400 CFM) in size. Needlepoint ionization actively treats air in the living space with no replacement parts, no maintenance for the life of the iWave and patented multi-voltage (24-240VAC). It can mount easily inside or outside of duct, or it can attach magnetically near indoor fan. iWave-R always works at peak performance, producing over 160 million ions/cc per polarity (320 million total ions/cc), more than any interior air quality product on the market. Patented self-cleaning design includes programmable cleaning cycle with alarm contact option. UL and cUL recognized. Three-year limited warranty.

iWave®-M

4900-35

iWave-M is a flexible ion-generating bar that can treat IAQ in nearly any HVAC application. Its revolutionary circuit bar with special ion-generating needles suitable for any HVAC cooling coil up to 1,600 CFM. Plus, it can be shortened in the field to any size! Perfect for ducted package or ductless HVAC systems in living centers, hotels, commercial buildings, residential (including mini-splits), transport cooling coils or even in ice machines – applications where certain bacteria is an issue. Provides the highest level of ionization energy in the most compact size available on the market. UL and cUL recognized with patented universal voltage (110-240VAC). Virtually maintenance free with no replacement parts. Produces over 35 million ions/cc per foot per foot of flexible ribbon. Three-year limited warranty.

iWave®-V

4900-40

With technology currently installed in over 200,000 applications worldwide, iWave-V is a versatile, low-maintenance bi-polar ionization generator for treating air in residential duct air conditioning systems up to 6 tons (2400 CFM) in size. Needlepoint ionization actively treats air in the living space with low maintenance and no replacement parts. Produces over 160 million ions/cc per polarity (320 million total ions/cc), more than any other interior air quality product on the market. Installs inside or outside of duct, or attaches magnetically near indoor fan. UL and cUL recognized. Three-year limited warranty.

iWave®-C

4900-10

Although it can be used for residential applications, the original iWave-C is especially suitable for light commercial systems up to 12 tons (4800 CFM). iWave-C is a self-cleaning, bi-polar ionization generator for treating a building's air quality that does not require replacement parts in a year or two like competing technologies. iWave-C always works at peak performance, producing over 200 million ions/cc per polarity (400 million total ions/cc), making it superior to other market approaches. Special features include a programmable cleaning cycle, waterproof housing, digital display and integral alarm contact. Duct mount to air handler inside or outside of building. For systems larger than 12 tons, multiple iWave-C units can be applied. UL and cUL certified with patented multi-voltage input (24-240VAC). Three-year limited warranty.

Nu-Calgon #4900-35

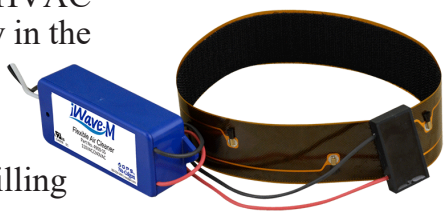
"Helping You Grow Your Business Every Step of The Way"

Nu-Calgon iWave

PRODUCTS TO HELP COMBAT CORONAVIRUS

iWave-M Mini Flexible Air Purifier for Duct Free Splits Systems

iWave-M is a flexible ion-generating bar that can treat IAQ in nearly any HVAC application. The air purifier provides the highest level of ionization energy in the most compact size available in the market, producing 240 million ions/cc per linear feet. The highly versatile iWave-M is low maintenance with no replacement parts. As the air flows past the iWave-M, the device emits positive and negative ions, creating a plasma region that purifies the air, killing mold, bacteria and viruses in the coil and living space.



#4900-35

- Special ion needles routed in a flexible bar circuit
- Compact design applicable for HVAC cooling coils up to 36" wide
- Can flex easily in the field to accommodate virtually any application - ideal for ductless systems
- Chemical and temperature resistant, durable for long service life
- No replacement parts
- Kills mold, bacteria and viruses
- Reduces allergens, odors, smoke, static electricity and airborne particles
- Keeps coil cleaner
- Flexible voltage input – 110VAC to 240VAC
- UL and cUL approved
- Three-year warranty

LG Life's Good

LG Ceiling Cassette

Models LCN

Home Comfort Solutions by LG are Duct-Free Split systems that allow you to cool or heat your entire home or just a single room without the need for invasive ductwork. There's no tearing down of walls or altering your home's appearance. LG Duct-Free Split systems are simple to have installed. In most cases, a professional contractor gets the job done in less than a day.

How LG Duct-Free Split systems work

LG Duct-Free Split air-conditioning and heating systems consist of three basic components: an inverter-driven outdoor unit, a stylish and quiet indoor unit that delivers conditioned air to the room, and compact conduit for refrigerant lines and wiring that connects the units. This design allows for energy conservation by targeting only those areas that need cooling or heating, a cost-effective feature when only certain portions of a building are being used.

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P: 603-668-7810	P: 603-430-7820	P: 207-703-2722	P: 401-861-1776	P: 978-244-1475	P: 781-893-0800	P: 508-528-6660	P: 781-812-2740
F: 603-668-6120	F: 603-430-7840	F: 207-703-2724	F: 401-861-1750	F: 978 244-1472	F: 781-893-6740	F: 508-528-6685	F: 781-812-2327

Coil Cleaners & Sprayers

NU-CALGON 4291-90
Nu-Calgon 4291-90 1 Quart Condenser Coil Cleaner

NU-CALGON 4290-75
Nu-Calgon 4290-75 Nu-Blast No Rinse Condenser Coil Cleaner 18 Oz Aerosol

NU-CALGON 4291-08
Nu-Calgon 4291-08 Nu-Brite Condenser Coil Cleaner 1 Gal Blue

COIL AND SURFACE PROTECTANT
Nu-Calgon 4294-75 Nu-Shield Aerosol Coil & Surface Protectant 9 Oz Can*

Indoor Air Quality

NU-CALGON 61044
Condensate Drain Pan Strip Purcool Green Mini Strip Aka Clenair PCG5MS

NU-CALGON 4166-75
Nu-Calgon 4166-75 Evap-Fresh Aerosol 18 OZ

NU-CALGON 4166-24
Nu-Calgon 4166-24 Spray Bottle Evap-Fresh Evaporator Coil Cleaner & Disinfectant EPA Registered to Clean & Disinfect

NU-CALGON 4126-38
Nu-Calgon 4126-38 Bio-Fresh CD

Aerosol Products

NU-CALGON 4290-75
Nu-Calgon 4290-75 Nu-Blast No Rinse Condenser Coil Cleaner 18 Oz Aerosol

NU-CALGON 4171-75
Nu-Calgon 4171-75 Evap Foam (No Rinse) 18 Oz Aerosol

NU-CALGON 4127-75
Nu-Calgon 4127-75 Blackhawk 18 Oz Coil Non Fragrance Coil Ccleaner for Cleaning HVAC/R Equipment in Food Processing Areas

NU-CALGON 4132-20
Aerosol Spray 20 Oz Cal-Blast Aerosol

Sprayers

NU-CALGON 4773-0
Nu-Calgon 4773-0 Clean Connect Sprayer

NU-CALGON 4774-0
Nu-Calgon 4774-0 Coil Gun Sprayer

NU-CALGON 4774-1
Sprayer Coil Gun Probe Coil Gun Probe

Total System Protection

NU-CALGON 4050-11
Nu-Calgon 4050-11 EasySeal Direct INJECT-UV Refrigerant Leak Sealant Treats Systems 2 - 7 Tons

NU-CALGON 4300-08
Nu-Calgon 4300-08 Rx11-Flush Starter Kit (1 Lb. Can, Hose, Gun, Valve)

NU-CALGON 4057-56
Nu-Calgon 4057-56 A/C Re-New Connect Inject Revitalizes and Energizes Air Conditioning Systems Use with all Refrigerants

Gas Leak Detectors

NU-CALGON 4182-24
Nu-Calgon 4182-24 Cal-Blue Plus Gas Leak Detector 1 Qt

NU-CALGON 4166-75
Nu-Calgon 4166-75 Evap-Fresh Aerosol 18 OZ

NU-CALGON 4166-24
Nu-Calgon 4166-24 Spray Bottle Evap-Fresh Evaporator Coil Cleaner & Disinfectant EPA Registered to Clean & Disinfect

NU-CALGON 4126-38
Nu-Calgon 4126-38 Bio-Fresh CD

ClenAir

NU-CALGON 61001
Odor Neutralizer Orignal Clenair 1/2 Lb Tub (Display Box=12ea) Aka Clenair 1500D

NU-CALGON 61044
Condensate Drain Pan Strip Purcool Green Mini Strip Aka Clenair PCG5MS

NU-CALGON 61045
Condensate Drain Pan Strip Purcool Commercial Strips 10 Ton Aka Clenair PCG10T

Insulation Products

NU-CALGON 4217-W3
Nu-Calgon 4217-W3 Cork Insulation Tape, Cork-Tite 2” X 1/8” X 30’

NU-CALGON 4219-12
Nu-Calgon 4219-12 Foam Insulation Tape, Foam-Tite 2” X 1/8” X 30’

NU-CALGON 4293-04
Expanding and Insulating Sealant Nu-Foam Aerosol Insulating Sealant 9 Oz