Celebrating 50 Years in Business!

ACE
SUPPLY CO., INC.
Air Control Essentials
1958 - 2008

Air Cleaners / Purifiers

Humidifiers / Dehumidifiers

Fans / Ventilation

Thermostats / Controllers

Zoning

Indoor Air Quality Products

Table of Contents

Air Cleaners / Purifiers

*Quality Built, Whole-House
Air Purification Systems
For The Home.*

It's The High-Performance, Low-Maintenance Solution To Cleaner Air!

Advanced Technology – Places an electric charge to collect up to 99%* of airborne particles.

Highly Effective – Captures both microscopic particles like dust and smoke in addition to larger contaminants like mold spores and pet dander.

Low Maintenance – No replacement needed. Requires only periodic washing of air cleaner cells.

Superior Performance – The F300E is up to 30 times more efficient at capturing airborne particles compared to a standard one-inch filter.

Helpful Reminder –The optional wireless AirWatch™ system* reminds you when to wash the air cleaner.

*Sold separately

Proud Partner

**† AMERICAN LUNG ASSOCIATION
† HEALTH HOUSE.**
Raising the Standards for Healthier Indoor Environments.

The American Lung Association and its Health House program do not endorse products.

5 –YEAR WARRANTY

Three-Stage Filtration – Particles enter three layers of filtering, with optional exclusive electrostatic postfilter.
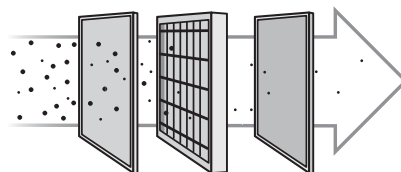
Exclusive 10-year Clean Coil Guarantee™ – Gives you added peace of mind.

Meets American Lung Association® Health House® Guidelines.

Whole-House – Cleans the air in all rooms throughout the home.

Widely Compatible – Works with all gas, oil and electric forced air furnaces and air conditioning systems.

Easy to Upgrade – Get even higher performance by adding an optional postfilter.

Description:

The Honeywell F300E Whole-House Electronic Air Cleaner
is the most advanced and easy-to-use solution for improving a home's indoor air quality. When installed into the home's heating and cooling system, an Electronic Air Cleaner traps and filters up to **99%***of airborne particles passing through the system to make sure cleaner air is distributed to all rooms in the home. It works by placing a charge on airborne particles and then collecting them like a magnet. Plus, Electronic Air Cleaners are low maintenance – simply wash the cells in a dishwasher or sink when needed.

With an exclusive 10-year Clean Coil Guarantee™, stylish looks and optional AirWatch™ system, the F300E is the high-performance air cleaning solution.

ACE #	PK	UM	DESCRIPTION	
154916	EA	4	F300E 1019 HW 16" x 25" Electronic	Air Cleaner
154919	EA	4	F300E 1035 HW 20" x 25" Electronic	Air Cleaner
154921	EA	1	F300E 1001 HW 16" x 20" Electronic	Air Cleaner

* Based on initial efficiency testing of new filters tested at 3-10 micron particles at 492 feet per minute of airflow.
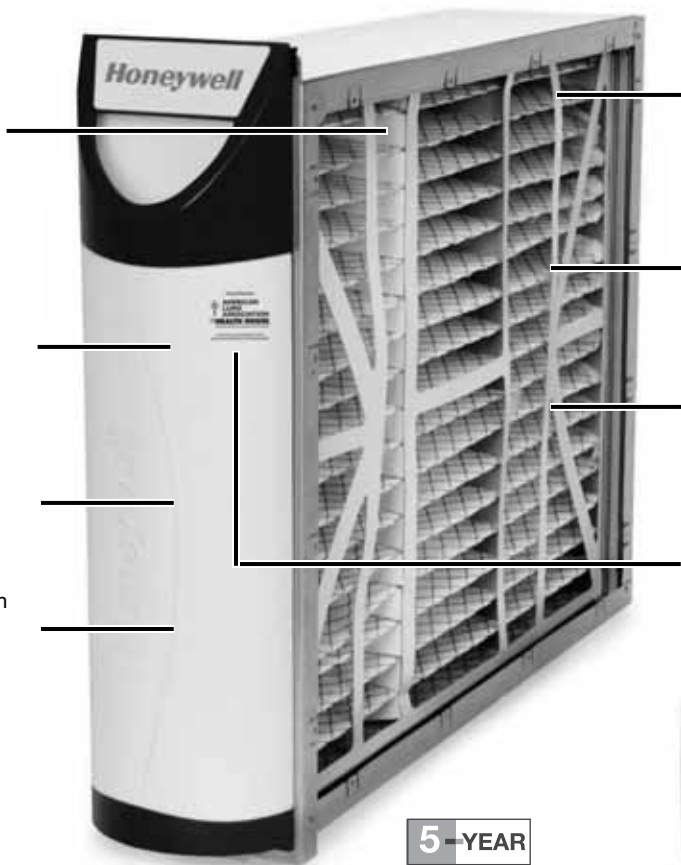
The Average Person Breathes 3,400 Gallons of Air Each Day*
What Are You Breathing In?

Highly Effective – Deep-pleated media filters have a large surface area to capture more airborne particles. Captures both microscopic particles like dust and smoke in addition to larger contaminants like mold spores and pet dander.

Replace Less Often – Lasts up to four times longer than a standard one-inch furnace filter. Replace every 6-12 months versus monthly or quarterly changes**.**

Simple Maintenance – Simply open the door to replace the filter.

Easy to Upgrade – The F200E can be easily converted to a higher-performance electronic air cleaner.

Proud Partner

AMERICAN LUNG ASSOCIATION
HEALTH HOUSE ®
Raising the Standards for Healthier Indoor Environments.

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Superior Performance – The F200E is up to 40 times more effective and is up to 97% more efficient at capturing airborne particles compared to a standard one-inch filter.

Whole-House – Cleans the air in all rooms throughout the home.

Widely Compatible – Works with all gas, oil and electric forced air furnaces and air conditioning systems.

Meets American Lung Association® Health House® Guidelines.

Helpful Reminder – The wireless AirWatch™ system reminds you when to change the filter.

5-YEAR WARRANTY

Description:

Get cleaner indoor air by choosing Honeywell's highest efficiency Whole-House Media Air Cleaner, the F200E. When installed in the home's heating and cooling system, it traps and filters airborne particles and contaminants passing through the duct system to make sure that cleaner air is distributed to all rooms throughout the home. The F200E Media Air Cleaner is up to **97%**** more efficient at removing airborne particles than a standard one-inch furnace filter, and maintains high airflow in the heating and cooling system so that it functions at full efficiency. Get the benefits of a whole-house solution for improving a home's air quality with a Honeywell F200E Media Air Cleaner.

ACE #	PK	UM	DESCRIPTION	
154922	EA	1	F200E 1003 HW 16" x 20" Media AC	Ultramedia Style
154926	EA	1	F200E 1029 HW 16" x 25" Media AC	Ultramedia Style
154927	EA	1	F200E 1011 HW 20" x 20" Media AC	Ultramedia Style
154930	EA	1	F200E 1037 HW 20" x 25" Media AC	Ultramedia Style

* EPA- National Air Quality 1999 Status and Trends.

* * Based on initial efficiency testing of new filters tested at 3-10 micron particles at 492 feet per minute of airflow.

Highly Effective – Deep-pleated media filters have a large surface area to capture more airborne particles. Captures both microscopic particles like dust and smoke in addition to larger contaminants like mold spores and pet dander.

Replace Less Often – Lasts up to four times longer than a standard one-inch furnace filter. Replace every 6-12 months versus monthly or quarterly changes.

Simple Maintenance – Simply open the door to replace the filter.

Easy to Upgrade – The F100F can be easily converted to a higher-performance electronic air cleaner.

Meets American Lung Association® Health House® Guidelines.
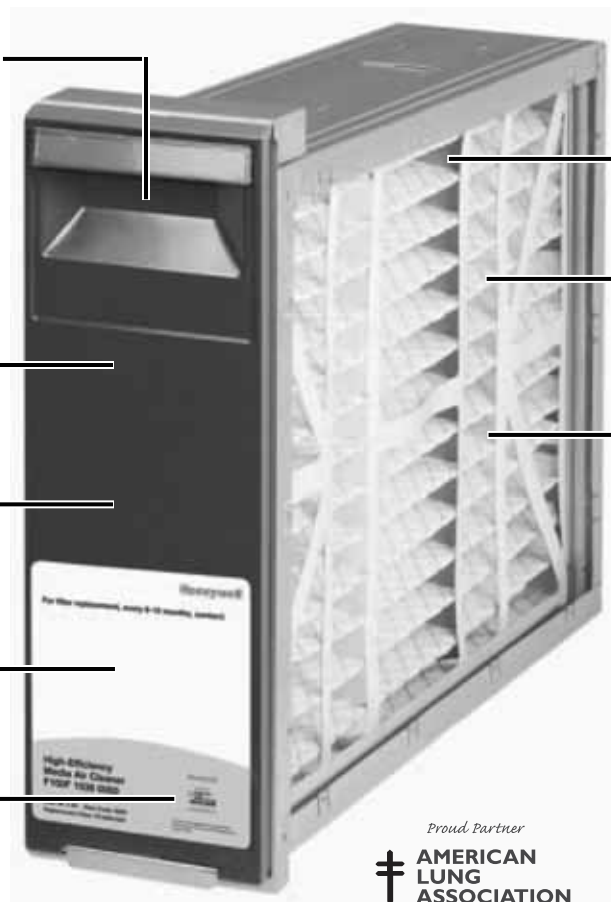
Superior Performance – The F100F is up to 40 times more effective and is up to 85% more efficient at capturing airborne particles compared to a standard one-inch filter.

Whole-House – Cleans the air in all rooms throughout the home.

Widely Compatible – Works with all gas, oil and electric forced air furnaces and air conditioning systems.

Helpful Reminder – The wireless AirWatch™ system reminds you when to change the filter.

*Sold separately

Proud Partner

AMERICAN LUNG ASSOCIATION
HEALTH HOUSE.
Raising the Standards for Healthier Indoor Environments.

The American Lung Association and its Health House program do not endorse products.

5-YEAR WARRANTY

Description:

When installed into the home's heating and cooling system, a Honeywell Whole-House Media Air Cleaner traps and filters airborne particles and contaminants passing through the duct system insuring cleaner air is distributed to all rooms in the home. Media Air Cleaners are up to **85%*** more efficient at removing airborne particles than a standard one-inch furnace filter, and maintain high airflow in your heating and cooling system so that it functions at full efficiency. Get the benefits of a whole-house solution for improving a home's air quality with a Honeywell F100F Media Air Cleaner.

ACE #	PK	UM	DESCRIPTION
154966	EA	1	F100F 1012 HW 16" x 25" Media AC
154970	EA	1	F100F 1038 HW 20" x 25" Media AC

* Based on initial efficiency testing of new filters tested at 3-10 micron particles at 492 feet per minute of airflow.

Did you know...

that 99% of particles in the air are invisible to the naked eye?

Standard one-inch air filters trap **less than 1%** of those invisible particles, allowing them to re-circulate in the home. The Honeywell F500A captures **99.97%** — which is about as close to "**all**" as you can get — of particles as small as 0.3 microns that pass through it. This includes pet dander, bacteria, pollens and more which can trigger allergies and irritate eyes and throats. Best of all, the F500A is used for forced air systems and cleans the air in an entire home, unlike portable cleaners that are limited to select areas.

HEPA stands for high-efficiency particle arresting, which most physicians recommend for allergy treatment programs. The Honeywell F500A Whole-House HEPA Air Cleaner provides powerful, **3-stage filtration** to deliver the cleanest air possible throughout the home.

HEPA — media filter captures at least 99.97% of 0.3 micron particles that pass through it.

Helpful Reminders — Wireless Airwatch™ indicator provides filter change notification.

Quiet operation

Meets American Lung Association® Health House® Guidelines.

Proud Partner

AMERICAN LUNG ASSOCIATION **HEALTH HOUSE®**
Raising the Standards for Healthier Indoor Environments.

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5–**YEAR WARRANTY**

Requires no maintenance — except periodic, quick-and-easy filter replacement.

Three-filter system delivers true efficiency —

1. Activated carbon filter reduces odors.

2. The high-efficiency pleated pre-filter extends the HEPA filter life, so you can wait as long as three years to replace it.

3. The HEPA filter traps remaining particles and delivers clean air to the home.
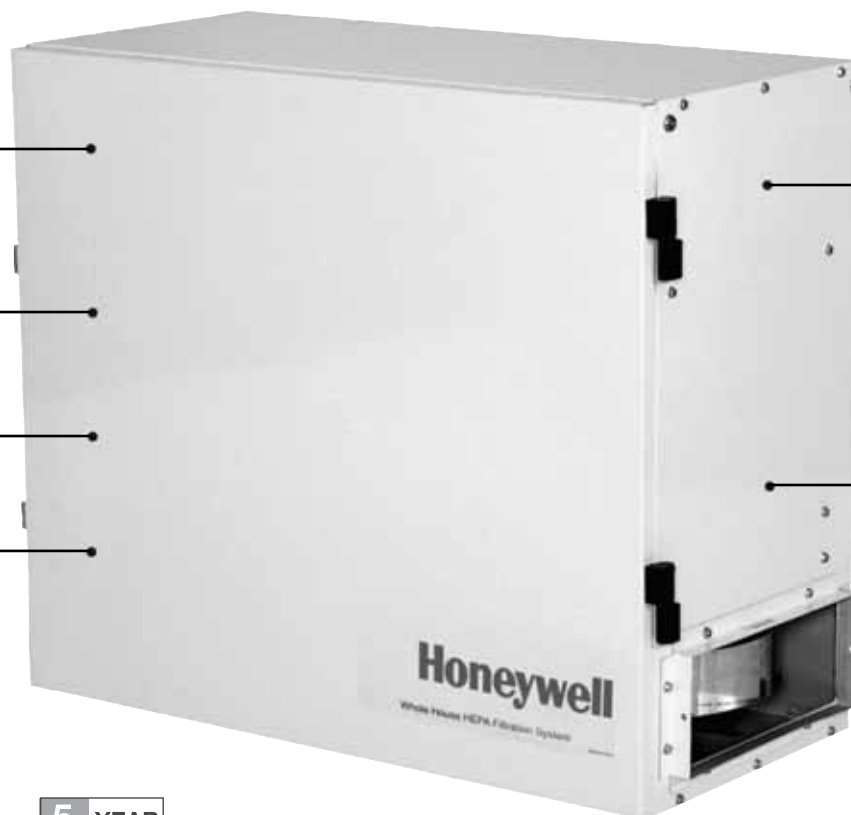
ACE #	PK	UM	DESCRIPTION	
154500	EA	1	**F500A 1000 Enviracaire HEPA**	**Whole House Air Filter**

Features:

- SnapLamp™ features replacement lamp handle with detachable replacement bulb, UC18W or UC36W, to make replacement more economical
- SmartLamp™ Control Algorithm determines optimal UV lamp usage
- SmartLamp™ LED shows bulb life and replacement
- Reduced power consumption and extended bulb life
- Communicates with other home appliances through EnviraCom™ three-wire communications bus
- Automatic brownout and high temperature protection for UV lamps
- Return air models supplied with integrated airflow sensor to monitor air flowing through ductwork
- Dual-purpose reset button:
    — Commands lamp on with a single one-second push
    — Resets internal lamp run-time timer after bulb replacement with extended five-second hold
- UV-C light kills airborne bacteria and surface mold
- UV lamp does not produce ozone
- Easy lamp maintenance with quick, easy bulb replacement
- Sealed unit prevents accidental installer/homeowner contact with high voltage and ultraviolet rays
- Safe design prevents lamp from lighting unless base is correctly mounted on HVAC duct
- Lamp light indicator to safely view lamp operation
- Power cord that plugs into 120 Vac electrical outlet
- Five-year limited warranty

Electrical Ratings:

Voltage Rating: 120 Vac, 60 Hz.
Current and Power Ratings:

Model	Input Power (A)	Bulb Wattage (W)
UV100E 1043 (1- Lamp)	0.46	18
UV100E 2009 (2- Lamp)	0.62	36 (each bulb)
UV100E 3007 Surface Treatment System	0.74	36

Description:

When installed in forced air heating and cooling systems, the UV100E Ultraviolet Systems kill airborne or surface microorganism contaminants like mold and bacteria. The UV systems use patented SmartLamp™ control technology that monitors the HVAC system to operate the lamps only when needed. This technology extends bulb life up to five times and reduces power consumption, lowering operating costs. The UV systems also include local diagnostics with the SmartLamp™ LED and reset capability.

Efficiencies:

- **UV100E Surface Treatment System:** Kills up to **99.9%** of mold on system cooling coils.
- **UV100E Air Treatment System (dual-lamp):** Kills up to **87%**

EnviraCom™ Communications Capabilities:

- Communicates with homeowner through three-wire communication bus using 24 Vac thermostat connections.
    — Hooked up to single-lamp and dual-lamp Air Treatment System: uses thermostat load information instead of airflow sensor.
    — Hooked up to Surface Treatment System: uses thermostat load information to operate during times evaporator A-coil may be exposed to moisture to extend bulb life beyond two years.
- Sends messages to communicate reset and receives remote reset, when available.
    — Lamp change indication cannot be reset by cycling power.
    — When EnviraCom™ is transmitting messages, shows flashing green EnviraCom™ LED on bottom of unit.

ACE #	PK	UM	DESCRIPTION	
154800	**EA**	**6**	**UV100E 1043 HW Lamp- Single Bulb**	**Ultraviolet**
154818	**EA**	**6**	**UV100E 2009 HW Lamp- Dual Bulb**	**Ultraviolet**
154826	**EA**	**6**	**UV100E 3007 HW Coil Irradiation**	**Ultraviolet**

Aprilaire®

Fresh Ideas for Indoor Air ®

Rated #1

The Environmental Protection Agency (EPA) warns that the air inside the home can be up to 100 times more polluted than the air outside.

Features:

- Permanently traps and removes 80% of virus-sized particles (0.01 microns) when new.
- Traps and permanently removes 94% of bacteria-sized particle (0.35 microns) when new.
- Recommended air flow is up to 2000 cfm.
- Resistance with a new media ranges from 0.10" w.g. (at 1000 cfm) to 0.29" w.g. at 2000 cfm.
- Unit operation is completely silent.
- No washing of cells required. Beyond replacement of the disposable media, the only maintenance required is wiping of the ionizing wires and control electrode.
- Media replacement is recommended one time per year.
- Replacement media is #501 Aprilaire Replacement Media.
- 120V AC ±15%. Unit equipped with 6-foot grounded cord with plug.
- Power usage does not exceed 60 watts.
- Outer housing is heavy gauge, pre-assembled galvanized steel, with an electrostatic painted finish.
- Door is closed with a positive mechanical latch.
- UL listed.
- Warranty is for two years with the exception of the disposable media and inner housing seals.
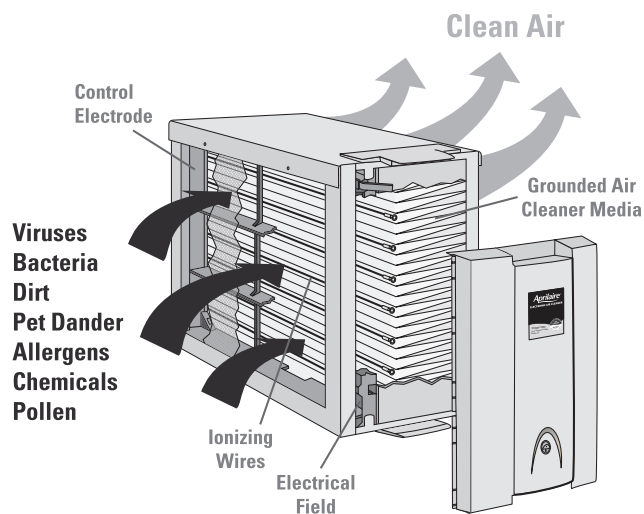
Description:

The Aprilaire Model 5000 is the best choice for healthy homes, removing up to **98%** of harmful particles—24 hours a day, 7 days a week and **365 days a year**.

When compared to portable or whole-home units, the Aprilaire Model 5000 brings the most effective electronic air cleaning to every room in a home for a fraction of the cost. That means value, convenience and unmatched performance. No wonder the leading "Product Ratings" magazine listed the Aprilaire Model 5000 **#1 for three years running.**

In addition, it permanently traps and kills captured bacteria and spores and is the best air cleaner for removal of virus-sized particles.

No other electronic air cleaner works as effectively—or is as easy to maintain and operate—as the Aprilaire Model 5000.

Clean Air

Control Electrode

Grounded Air Cleaner Media

Viruses
Bacteria
Dirt
Pet Dander
Allergens
Chemicals
Pollen

Ionizing Wires

Electrical Field

PRODUCT SPECIFICATIONS			
	RESISTANCE @ AIRFLOW VOLUM (inches w.c. @CFM)	SHIPPING WEIGHT	FILTERING MEDIA AREA
ELECTRONIC AIR CLEANER **Model 5000**	.10"@1000 .21"@1600 .14"@1200 .25"@1800 .17"@1400 .29"@2000	38 lbs.	72.3 sq. ft.

ACE #	PK	UM	DESCRIPTION
156500	**EA**	**16**	**5000 Aprilaire Electronic Air Cleaner**

ACE SUPPLY CO., INC.

The 2200, 2400, 2250 & 2275
whole-house media air cleaners eliminate airborne dust, pet hair, pollen and pollutants in the home.

Features:

- Permanently traps and removes at least 97% of pollen-sized particles (5.0 microns) when new.
- Traps and permanently removes at least 70% of mold- and spore-sized particles (3.0 microns) when new.
- Removal efficiency increases as the filter loads.
- Recommended air flow is up to 2000 cfm.
- Resistance with a new media ranges from 0.07" w.g. (at 800 cfm) to 0.29" w.g. at 2000 cfm.
- Unit operation is completely silent.
- The only maintenance required is replacement of the disposable media.
- Media replacement is recommended after one to two years depending on air flow.
- Outer housing is heavy gauge, pre-assembled galvanized steel, with an electrostatic painted finish.
- Door is attached with four sturdy posts.
- Warranted for the lifetime of the product with the exception of the disposable media and inner housing seals.
- UL classified.

Clean Air

Dirt
Pet Dander
Allergens
Chemicals
Pollen

Benefits:

Healthier Home Environment—Permanently traps allergy-causing pollen-sized particles (5 microns and larger) at a rate of **97%**, helping to minimize the risk of asthma and allergy attacks. Permanently traps mold and spore particles (3 microns and larger) at a rate of 70%, helping to reduce problems with mold-induced illnesses.

Long Service Life—The disposable filter media lasts 1 to 2 years, so there is no need for monthly or bi-monthly filter changes or cell cleanings. It just takes minutes to do, and many homeowners simply have their local dealer do it as part of the annual servicing of their heating and cooling equipment.

High Quality and Completely Reliable—The Aprilaire Media Air Cleaners feature limited lifetime warranties. They use no electricity and require no maintenance other than the replacement of the filter media. And because of their large broad door seals, they have the lowest air leakage and bypass.

Invisible and Silent—
It mounts to the heating and cooling equipment, out of the way and out of sight. There are no distracting snapping or crackling sounds like those generated by traditional platetype electronic air cleaners.

PRODUCT SPECIFICATIONS			
	RESISTANCE @ AIRFLOW VOLUME (inches w.c. @CFM)	SHIPPING WEIGHT	FILTERING MEDIA AREA
MEDIA AIR CLEANER **Model 2200**	.05"@600 .15"@140 .07"@800 .18"@1600 .09"@1000 .21"@1800 .12"@1200 .25"@2000	28 lbs	78.6 sq. ft.
MEDIA AIR CLEANER **Model 2400**	.06"@600 .17"@1400 .08"@800 .21"@1600 .10"@1000 .25"@1800 .14"@1200 .29"@2000	25 lbs.	72.3 sq. ft.

ACE #	PK	UM	DESCRIPTION
156220	EA	24	2200 Aprilaire Air Cleaner
156240	EA	16	2400 Aprilaire Air Cleaner
156225	EA	12	2250 Aprilaire Grille Mount Air Cleaner (Not Shown)
156227	EA	1	2275 Aprilaire Portable Air Cleaner (Not Shown)

Aprilaire®
Fresh Ideas for Indoor Air®

Space-Gard®

Non-Electronic High-Efficiency Air Cleaner For Restaurants And Dining Area Applications

Benefits:

- Continuous smoke removal
- Fresher, cleaner air for customers and employees
- Lower heating and cooling costs
- Extend life of furniture and furnishings
- High capacity
- Minimum maintenance and service
- Easy to install

Specifications:

Size:	23-3/8" high, 16-3/4" wide, 49-3/8" long
Shipping Weight:	125 lbs.
Electrical Data:	120 volts, 60 Hz, 6.5 amps, 400 watts. Connect 8-foot power cord supplied to three wire grounded outlet.
Filtering Media:	78.6 sq. ft.
Air Flow:	Low 740 cfm. Medium 870 cfm. High, 1000 cfm.
Accessories: (supplied)	(4)-1/4"-20-NC "Eye" bolts (for ceiling mount) UL listed air filtering appliance 501Y

Description:

The Space-Gard air cleaner utilizes a unique filter media—similar to that used successfully for years in hospitals, clinics, laboratories and clean rooms where the level of airborne particles must be kept near zero.

The three-speed blower draws polluted air from the area, through the extended-surface, high-efficiency filter media and exhausts air that has up to **98% of the pollutant particles removed. Four filtration principles are used— straining, diffusion, impingement and interception.** This, plus the deep-space fold design of the media provides an unusually large filtering area for exceptionally high particle-holding capacities.

An important extra benefit of this new-fashioned air cleaner is the high-efficiency operation without the emission of toxic ozone.

The 2600 is designed to be used in restaurant or dining area applications. One Space-Gard Model 2600 Air Cleaner will handle up to 15,000 cubic feet of space. If tobacco smoke particulate removal is the prime consideration, one Model 2600 should be installed for every 25 smokers. In other applications, unit capacity will vary with type and volume of contaminants.

Efficiency Ratings:

Particle Size Micron	Clean Media	Loaded Media *
O.3	70%	95%
O.5	78%	96%
0.7	85%	97%
1.0	95%	98%
2.0	98%	99%

* Media loaded to 1.0 in. w.c. at 1000 cfm with ASHRAE test dust.

Tested by an independent test laboratory.

ACE #	PK	UM	DESCRIPTION
156260	**EA**	**1**	**2600 Aprilaire Commercial Air Cleaner**

ACE SUPPLY CO., INC.

BreatheCLEAN®
Total Home Air Purification

BreatheCLEAN develops and sells products that have life-changing impact on their customers.

Description:

The BreatheCLEAN total home ultraviolet air purification system easily installs into existing ductwork. As air passes by the powerful 36 watt ultraviolet bulbs, ultraviolet energy literally destroys almost all disease-causing organisms in the air. With BreatheCLEAN, you are assured that all of the air your family or your employees breathe is the purest available from any air purification system. No competing model offers more effective purification than our standard unit. Two 36 watt bulbs deliver more than 24,000 effective microwatts per square centimeter of germ-killing ultraviolet energy.

Specifications:

Casing Dimensions: 9.75" x 5.75" x 2"

Amps: 0.68

Electrical: 110 volts, 72 watts

Ballast: Electronic

Bulbs: 2 Bulbs protrude 16" (or 9") into ductwork

Wavelength: 253.7 nanometers

Cord length: 12 feet

Warranty: Five year on purifier; nine months on bulbs

Maintenance: Replace bulbs annually

Health Benefits:

By removing germs, bacteria, mold and dust mites from the air, BreatheCLEAN provides great health benefits for people suffering from asthma or allergies. Additionally, BreatheCLEAN simply keeps you healthier throughout the year because it is continually removing cold germs, viruses and bacteria that cause illness and infection. You can expect fewer sinus infections, fewer colds, clearer sinuses, better sleep and dramatic relief from asthma symptoms.

ACE #	PK	UM	DESCRIPTION	
150705	EA	1	BreatheCLEAN—New Dual Lamp	Unit UV #7200-100

CFM
CONTINENTAL FAN
Better Airflow by Design

PURIFY
Get serious about complete air purification!

Description:

For just pennies a day in operating costs, the CX1000 Complete Air Purification System will provide up to 1,000 sq. ft. of complete air purification, while maintaining an environment that is odor, germ, chemical and allergen free. The powerful air purification technology uses UVC light to activate a highly reactive and **"Patented" Titanium Dioxide Catalyst,** which destroys toxic compounds by converting them into benign constituents such as water and carbon dioxide.

Features:

- 6-stage purification process
- Electronic sensors that adjust product's performance for peak efficiency and protection
- Air inlet grille with safety lock
- 5 micron pre-filter
- Removes allergens down to .3 microns
- First gas adsorption layer
- Second gas adsorption layer
- Hospital grade HEPA filter
- High impact ABS plastic
- Photo-catalytic converter
- High output germicidal UVC lamp for germ-free air
- Air outlet grille with safety lock
- Replacement of UVC lamp (1-year)
- Replacement of filters (2-years)

CX1000 Specifications	
Model No.	CX1000
Dimensions	21.5"w x 18.0"h x 8.0"d
Weight	23 lbs.
Maximum Air Flow	265 cfm
Power Consumption	110 watts
Voltage	1/120V/60
Blower	Backward-curved motorized impeller
Catalyst	Titanium Dioxide
UV Range	254 NM (germicidal)
UV Power	10 watts
Microwatts at surface per cm^2	16,000
Microwatts @ 1'	540
Pre-Filter	5 micron
HEPA Filter	0.3 micron hospital grade
1st Stage Gas Adsorption	Activated carbon
2nd Stage Gas Adsorption	Activated carbon
Service Interval	UVC lamp 1 year Filters 2 years
*Application	1000 sq. ft. (automode)
Warranty	Limited lifetime excluding lamps and filters

* Automode is recommended for individuals with health related issues such as allergies, chemical sensitivity, etc.

Health Benefits:

- Dramatically reduce family sickness
- Eliminate endless bouts with colds and influenza
- Create an environment for sound sleep
- Provide relief from asthma, hay fever and sinus problems
- Reduce fatigue, headaches and breathing problems
- Do away with pet odors and dander
- Decrease dust and cleaning requirements
- Relieve sore throats, runny noses, wheezing and sneezing

ACE #	PK	UM	DESCRIPTION	
910330	EA	1	CX1000 Portable Air Purifier	Total Air Purification System

Ace
SUPPLY CO., INC.

CFM CONTINENTAL FAN

Better Airflow by Design

Performance Data and Approvals

AIR FLOW & RESISTANCE DATA		
Air Flow (cfm)	Resistance (in. wg.)	Air Velocity (fpm)
1250	0.18	360
1500	0.20	432
1750	0.25	504
2000	0.35	576
2250	0.42	648
2500	0.55	720

Particle Size Efficiency Graph

Removal Percentage

100
80
60
40
20
0

23.95
47.28
57.58
67.75
90.84
98

Percent Reduction–First Pass

0.3u   0.5u   0.7u   1.0u   5.0u   10u

Particle Size Microns

CX3000 Specifications	
Model No.	CX3000
Dimensions	25.0"w x 21.0"h x 10.25"d
Weight	42 lbs.
Maximum Air Flow	2,170 cfm
Power Consumption	45 watts
Voltage	1/120V/60
UV Power	20 watts per bulb (40 watts total)
Microwatts at surface per cm^2	10,000
Microwatts @ 1'	1100
UV Range	254 NM (germicidal)
Filter	Electrostatic needled fiber MERV-11
Application	3,000 sq. ft.
Service Interval	UVC lamp 1 year Filters 6 months
Catalyst	Titanium Dioxide
Warranty	Limited lifetime excluding lamps and filters

Description:

For just pennies a day in operating costs, the CX3000 Complete Air Purification System will provide up to 3,000 sq. ft. of complete air purification, while maintaining an environment that is odor, germ, chemical and allergen free. It's **"Patented" Photo-Catalytic Titanium Oxidation cleans air down to the last molecule.** The powerful air purification technology uses 2 UVC lights to activate a highly reactive and patented **Titanium Dioxide Catalyst,** which destroys toxic compounds by converting them into benign constituents such as water and carbon dioxide.

Features:

- Electrostatically charged needled fiber MERV-11 Filter
- Removes allergens down to .3 microns
- Powder coated Paint-Loc steel encloser
- Aluminum UVC lamp reflectors for air sterilization
- Rust-proof gold zinc plated pull out case
- Safety switch
- Quick disconnect power cord
- Over 70 sq. ft. of photocatalytic matrix surface area
- Sight ports to verify lamp operation
- Computerized service panel
- Built in service lights for filter and UVC lamp replacements
- Service handle and cabinet locks
- Filter replacement (6-months)
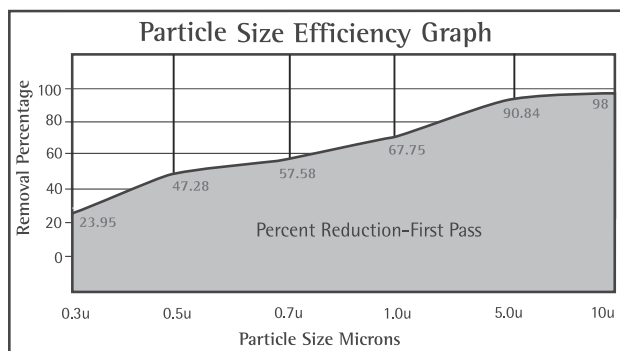- UVC lamp replacement (1-year)

Health Benefits:

- Dramatically reduce family sickness
- Eliminate endless bouts with colds and influenza
- Create an environment for sound sleep
- Provide relief from asthma, hay fever and sinus problems
- Reduce fatigue, headaches and breathing problems
- Do away with pet odors and dander
- Decrease dust and cleaning requirements
- Relieve sore throats, runny noses, wheezing and sneezing

ACE #	PK	UM	DESCRIPTION	
910340	EA	1	CX3000 Duct-Mounted Air Purifier	Total Air Purification System

ACE SUPPLY CO., INC.

PopUP Filters

Description:

Save space on your truck and time on the job with Honeywell's PopUP**TM** Media Replacement Filters. If you've ever had to assemble collapsible replacement filters, you'll appreciate the convenience and time savings of the PopUP**TM** filter. Simply remove the filter from its package and watch it pop-up into finished form, ready to use. No tedious assembly and no bulky storage - you can store up to five PopUP**TM** filters on your truck in the same space you used to store just one. And because of their condensed size, you can ship PopUP**TM** filters directly to homeowners for easy replacement filter sales opportunities.

Specifications:

- **Efficiency Standard:** Efficiency ratings are based on American Society of Heating, Refrigerating and Air-Conditioning Engineers Standard 52.2-1999.
- **Efficiency Standard:** Efficiency ranges are defined for small particles, E1=0.3 to 1.0 microns; medium particles, E2=1.0 to 3.0 microns; and large particles, E3=3.0 to 10.0 microns.
- **Minimum Efficiency Reporting Value (Media Filters Only):** MERV 11
- **Type or Air Cleaner:** Media Air Cleaner

Features:

- No assembly required
- Filters literally pop-up ready to use
- Saves space in the warehouse and on the truck
- Reduces any chance of damage to the filter
- Installs in seconds saving time and frustration
- Provides high-efficiency performance (MERV 11)
- Features the American Lung Association® Health House® logo
- Available in 6 sizes that fit Honeywell and other brands

Even Easier Than 1, 2, 3

We can't even say that PopUP™ filters are as easy as 1, 2, 3 because they assemble in just one step. Just open the package and – pop – the filter is ready to use.
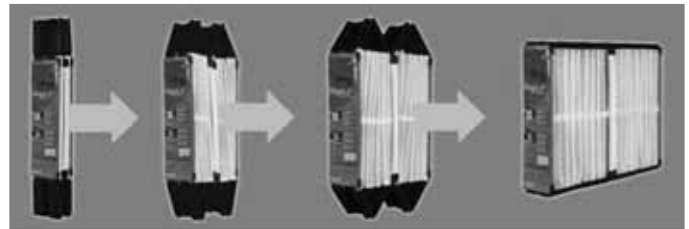
ACE #	PK	UM		DESCRIPTION
154940	EA	12	16" x 20" Pop-up Filter	Fits F100F-1004, F100B-1008, F150E-1000, F100F-2028
154941	EA	12	16" x 25" Pop-up Filter	Fits F100B-1016, F100F-1012, F100F-2002, F150E-1026
154942	EA	12	20" x 25" Pop-up Filter	Fits F100F-2010, F150E-1034, F100B-1032, F100F-1038
154943	EA	12	(2200) Pop-up Filter	RP2200 (Fits Aprilaire Model #2200)

* PopUP filter for Aprilaire Model #2400 is a non-stocked item, but available by request.

Honeywell
Accessories

Post Filters / Fits Honeywell Model #F300E and F50F-Series

Description:

Our high-efficiency, charged postfilters boost the efficiency of any Honeywell electronic air cleaner with negligible effect on pressure drop.

ACE #	PK	UM	DESCRIPTION	
154911	PK	10	50000293-001 16" x 10" Post Filter	For 16" x 20" EAC (2/EAC)
154912	PK	10	50000293-002 16" x 12.5" Post Filter	For 16" x 25" EAC (2/EAC)
154913	PK	10	50000293-003 20" x 10" Post Filter	For 20" x 20" EAC (2/EAC)
154914	PK	10	50000293-004 20" x 12.5" Post Filter	For 20" x 25" and 20" x 12.5" EAC (2/EAC)

Replacement Filters / FC200E

Description:

The FC200E High Efficiency Replacement Media Filter removes over 97% of 3.0-10.0 micron particles from the air. This MERV 13 filter continues to set the standard for high-end media replacements.

FC200E
(MERV 13)

Specifications:

- **Efficiency Standard Efficiency:** Ratings are based on American Society of Heating, Refrigerating and Air-Conditioning Engineers Standard 52.2-1999.
- **Efficiency Standard Efficiency:** Ranges are defined for small particles, E1=0.3 to 1.0 microns; medium particles, E2=1.0 to 3.0 microns; and large particles, E3=3.0 to 10.0 microns.
- **Fractional Efficiency:** E1=63%, E2=90%, E3=97%
- **Minimum Efficiency Reporting Value (Media Filters Only):** MERV 13
- **Static Pressure Drop (in. w.c.):** 0.28 at 500 FPM
- **Type or Air Cleaner:** Media Air Cleaner

ACE #	PK	UM	DESCRIPTION	
154946	EA	5	FC200E 1029 16" x 25" Replacement Filter	Fits F100B-1016, F100F-1012, F100F-2002, F150E-1026, F200E-1029
154947	EA	5	FC200E 1003 16" x 20" Replacement Filter	Fits F100F-1004, F100B-1008, F150E-1000, F100F-2028, F200E-1003
154948	EA	5	FC200E 1011 20" x 20" Replacement Filter	Fits F100B-1024, F100F-1020, F100F-2036, F150E-1018, F200-E1011
154949	EA	5	FC200E 1037 20" x 25" Replacement Filter	Fits F100F-2010, F150E-1034, F100B-1032, F100F-1038, F200E-1037, Space-Gard 2200

Honeywell
Accessories

High Quality Replacement Filters

Replacement Filters / FC100A

Description:

Honeywell's MERV 10 replacement media provides a great value that keeps an HVAC system clean for up to a year, while filtering out some of the smallest particles. New MERV 10 (at 492 FPM) performance with lower pressure drop at no additional cost.

FC100A
(MERV 10)

Specifications:

- **Efficiency Standard Efficiency:** Ratings are based on American Society of Heating, Refrigerating and Air-Conditioning Engineers Standard 52.2-1999.
- **Efficiency Standard Efficiency:** Ranges are defined for small particles, E1=0.3 to 1.0 microns; medium particles, E2=1.0 to 3.0 microns; and large particles, E3=3.0 to 10.0 microns.
- **Fractional Efficiency:** E1=25%, E2=62%, E3=85%
- **Minimum Efficiency Reporting Value (Media Filters Only):** MERV 10
- **Static Pressure Drop (in. w.c.):** 0.23 at 500 FPM
- **Type or Air Cleaner:** Media Air Cleaner

ACE #	PK	UM	DESCRIPTION	
154956	EA	5	FC100A 1029 16" x 25" * Replacement Filter	Fits F100B-1016, F100F-1012, F100F-2002, F150E-1026
154957	PK	1	FC100A 1029 16" x 25" Custom-2-Pack	Fits F100B-1016, F100F-1012, F100F-2002, F150E-1026
154960	EA	5	FC100A 1037 20" x 25" * Replacement Filter	Fits F100F-2010, F150E-1034, F100B-1032, F100F-1038, Space-Gard 2200
154961	EA	5	FC100A 1003 16" x 20" Replacement Filter	Fits F100F-1004, F100B-1008, F150E-1000, F100F-2028
154962	EA	5	FC100A 1011 20" x 20" Replacement Filter	Fits F100B-1024, F100F-1020, F100F-2036, F150E-1018
154963	PK	1	FC100A 1037 20" x 25" Custom-2-Pack	Fits F100F-2010, F150E-1034, F100B-1032, F100F-1038, Space-Gard 2200
154964	EA	5	FC100A 1052 20" x 12.5" Replacement Filter	Fits F27F-1032

ACE #	PK	UM	DESCRIPTION	
156201	EA	240	201 Aprilaire Replacement Media	Fits 2200 and 2250
156261	EA	10	261 Aprilaire Replacement Media	Fits 2600
156275	EA	10	275 Aprilaire Replacement Media	Fits 2275
156401	EA	10	401 Aprilaire Replacement Media	Fits 2400
156501	EA	10	501 Aprilaire Replacement Media	Fits 5000

Honeywell

Accessories

High Quality Replacement Bulbs

For The UV100 Series Air Treatment Systems

ACE #	PK	UM	DESCRIPTION	
154805	EA	1	UC100E1006 HW Single Replacement Bulb	For UV100E1001
154814	EA	1	UC100A1054 HW Replacement Bulb	For UV100A1018 & UV100A1059
154821	EA	1	UC100E1022 HW Replacement Bulb	For UV100E1027

≋BreatheCLEAN®
Total Home Air Purification

Accessories

High Quality Replacement Bulb

For The UV7200-100 Air Purification System

ACE #	PK	UM	DESCRIPTION	
150790	PK	1	Replacement Bulbs	For UV-2 #7012

CFM
CONTINENTAL FAN

Accessories

High Quality Replacement Bulbs

For The CX1000 Series Air Purification Systems

ACE #	PK	UM	DESCRIPTION	
910332	EA	1	2-Year Replacement Kit For CX1000RFL	Includes Filter Set & 2 Lamps
910334	EA	1	Replacement Filter Set	For CX1000RF
910335	EA	1	Replacement UV Lamp	For CX1000RL

Humidifiers / Dehumidifiers

The Best Cure For Indoor Dryness And Proper Humidity Throughout The Entire Home.

Specifications:

Evaporative Capacity
- 0.5 gallons of water per hour using 140° service hot water at unit.

Volume of Home (cubic feet)
- Loose home 9,000—2 air changes per hour
- Average home 18,000—1 air change per hour
- Tight home 36,000—1/2 air change per hour

Standard Rating Conditions
- Outside air; 20°F and 70% R.H.
- Inside air; 70°F and 35% R.H.
- Internal moisture gain; 1 pound/hour
- Continuous humidifier operation at 150 cfm
- 140°F water
- 8 Ft. ceiling height

Size
- Model 350—13-3/4" wide x 12-3/4" high x 15" deep
- Model 360—13-3/4" wide x 12-3/4" high x 12-1/2" deep
- Wall frames and grille 16-1/2" wide x 15-1/2" high

Ductwork - Model 350 (not supplied)
- 7" dia. round ductwork to supply grille
- Supply grille 50 square inches of free air minimum

Electrical Data
- Model 350—120 volt 60 Hz. 0.9 amp
- Model 360—120 Volt 60 Hz. 0.6 amp

Drain Connection
- 1/2" I.D. plastic hose direct to drain fitting on unit

Shipping Weight
- 21 lbs.

Also Included
- Humidistat and Saddle Valve

Description:

The Aprilaire Models 350/360 are state-of-the-art whole-house Humidifiers that are specifically designed to bring all the benefits of patented Aprilaire humidification to homes with radiators or baseboard heat. These are so effective and flexible, they work equally well with central heating and cooling systems. They are completely self-contained units that easily fit inside of closets, heated crawl spaces and basements. They have an evaporative capacity of **0.50 gallons per hour** and can humidify tightly-constructed homes up to **4,500 square feet in size.**

350 Application:

The model 350 is designed especially for basement installations of hydronically heated homes, but is equally suitable for use with any other type heat. The unit can also be installed with or without ductwork in a closet, utility room, or heated crawl space. It has application where there may be a need for humidity, but infrequent need for heat. It can be installed independent of the forced air heating system in a conditioned space to provide humidity as needed.

360 Application:

The Model 360 Aprilaire humidifier is designed especially for any residence, condominium, town house, or apartment, regardless of the type heating system. It is installed through the wall without ductwork and is completely independent of the heating system. It is ideally suited for applications that have a humidity need, but require little heat, as well as installations where the air handling system is located where freezing conditions could occur. Also, the Model 360 will provide controlled humidity for the home with a heating system that has no space for a furnace mounted humidifier.

ACE #	PK	UM	DESCRIPTION	
158350	EA	1	350 Aprilaire Self-Contained	Ducted
158360	EA	1	360 Aprilaire Self-Contained	Through The Wall

Specifications:

Volume of Home (cubic feet)
- Loose home 1,000—2 air changes per hour
- Average home 2,000—1 air change per hour
- Tight home 4,000—1/2 air change per hour

Standard Rating Conditions
- Outside air; 20°F and 70% R.H.
- Inside air; 70°F and 35% R.H.
- Internal moisture gain; 1 pound/hour
- 70% blower operation
- 8 Ft. ceiling height

Size
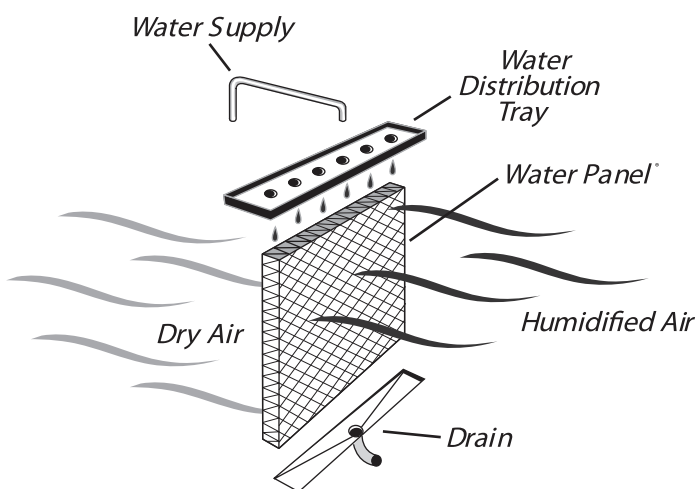- 15-3/8" wide x 15-3/4" high x 10-1/4" deep

Water Feed Rate
- 3 gph

Electrical Data
- 24 volt 60 Hz. 0.5 amp

Also Included
- Humidistat and Saddle Valve

Water Supply

Water Distribution Tray

Water Panel*

Dry Air

Humidified Air

Drain

Description: Model 400 (Drainless)

The Aprilaire Model 400 Whole-House Humidifier features a built-in bypass damper and utilizes new evaporative technology to minimize water use. Gravity pulls water down, while the wicking action of the Water Panel® draws it back to the top, using 100% of the water delivered to the unit. It features truly automatic control, has an evaporation capacity of **0.70 gallons per hour** and also humidifies tightly-constructed homes up to **4,000 square feet in size**. It eliminates standing water, making it the perfect choice for homes with septic systems, locations where a floor drain is not available or families interested in water conservation.

Description: Model 600 (All Season)

The Aprilaire Model 600 Whole-House Humidifier features truly automatic control, plus a built-in bypass damper, which means fewer parts to install. It uses the furnace blower to move air through a water panel, where the humidification process occurs. Humidified air is then distributed to the home. The bypass damper is conveniently labeled for both summer and winter settings, allowing you to set it for the entire season with no guesswork involved. It delivers up to 50% more moisture in comparison to competitive units, has as an evaporation capacity of **0.70 gallons per hour**, humidifies tightly-constructed homes up to **4,000 square feet in size** and features the same performance benefits of other Aprilaire humidifiers.

How It Works:

The Aprilaire Humidifiers use humidity in the form of water vapor to prevent minerals from entering the air stream in the home. Water is supplied to the distribution tray, allowing it to flow evenly across the Water Panel®. The resulting humidified air is distributed throughout the entire home.

ACE #	PK	UM	DESCRIPTION
158400	EA	16	400 Aprilaire Humidifier (Drainless) (While Supplies Last)
158401	EA	16	400A Aprilaire Humidifier (Drainless) (Includes Auto-Digital Control)
158600	EA	24	600 Aprilaire Humidifier (While Supplies Last)
158601	EA	24	600A Aprilaire Humidifier (Includes Auto-Digital Control)
158602	EA	24	600M Aprilaire Humidifier (Includes Manual Control)

Specifications:

Volume of Home (cubic feet) 500
- Loose home 750—2 air changes per hour
- Average home 1,500—1 air change per hour
- Tight home 3,000—1/2 air change per hour

Volume of Home (cubic feet) 700
- Loose home 1,050—2 air changes per hour
- Average home 2,100—1 air change per hour
- Tight home 4,200—1/2 air change per hour

Standard Rating Conditions
- Outside air; 20°F and 70% R.H.
- Inside air; 70°F and 35% R.H.
- Internal moisture gain; 1 pound/hour
- 70% blower operation
- 8 Ft. ceiling height

Size
- Model 500—15-5/8" wide x 13" high x 10-1/4" deep
- Model 700—15-29/32" wide x 18" high x 10-11/32" deep

Water Feed Rate
- Model 500—3 gph
- Model 700—6 gph

Electrical Data
- Model 500—24 Volt 60 Hz. 0.5 amp
- Model 700—120 Volt 60 Hz. 0.8 amp

Also Included
- Humidistat and Saddle Valve

Description: Model 500 (Small Bypass) For Small To Mid-Sized Homes

The Aprilaire Model 500 Whole-House humidifier features a built-in bypass damper and is designed for use in small to mid-size homes. It utilizes a manual humidifier control installed in either your living area or central heating and cooling system ductwork and comes equipped with a drain to flush minerals from the unit. It has an evaporation capacity of **0.50 gallons per hour,** and is an economical proven performer in the extensive line of Aprilaire humidifiers.

Description: Model 700 (Powered Unit) For Larger Homes

The Aprilaire Model 700 Whole-House Humidifier features truly automatic control, so there's never a need to manually control the humidifier—though it can be installed in manual mode, if desired. Complementing any central heating and cooling system on larger homes, this model utilizes an outdoor temperature sensor for monitoring even the slightest changes in outdoor temperature. It has a built-in fan that pulls heated air directly from the furnace and draws it across a water panel where evaporation takes place. Humidified air then flows throughout the home. It delivers up to **50% more moisture** in comparison to competitive units, has an evaporation capacity of **0.75 gallons per hour**—**among the highest capacity humidifiers sold** and humidifies tightly-constructed homes up to **4,200 square feet in size.**

ACE #	PK	UM	DESCRIPTION
158500	EA	27	**500 Aprilaire Humidifier** (While Supplies Last)
158501	EA	27	**500A Aprilaire Humidifier** (Includes Auto-Digital Control)
158502	EA	27	**500M Aprilaire Humidifier** (Includes Manual Control)
158766	EA	1	**700 Aprilaire Power Humidifier** (While Supplies Last)
158701	EA	1	**700A Aprilaire Power Humidifier** (Includes Auto-Digital Control)
158702	EA	1	**700M Aprilaire Power Humidifier** (Includes Manual Control)

Model 500   **Model 700**

Aprilaire®
Fresh Ideas for Indoor Air®

1700 Dehumidifier
Total Comfort...Perfect Temperature & Humidity

Specifications:

- **Dimensions:** 20"W x 24"L x 21.5"H
- **Weight:** Model 1700 - 93 lb Model 1720 - 100 lb
- **Rated Capacity:** Model 1700 - 90 pints per day @ 80°F, 60% RH (AHAM) Model 1720 - 150 pints per day @ 80°F, 60% RH (AHAM)
- **Power:** Model 1700 - 115 VAC, 8 amps; includes 8 ft. power cord Model 1720 - 115 VAC, 14 amps; includes 8 ft. power cord
- **Efficiency:** Model 1700 - >4.5 pints/kilowatt hour Model 1720 - 4 pints/kilowatt hour
- **Filter:** Washable or replaceable, Merv 8, foam core and aluminum frame
- **Cabinet Insulation:** 1" foil faced EPS insulation
- **Airflow:** Model 1700 - 275 CFM @ 0.6 in. of w.c. external static pressure Model 1720 - 500 CFM @ 0.8 in. of w.c. external static pressure
- **Controls:** Built-in automatic control, optional living space control
- **Interior insulation:** Entire interior surface is sealed with 1-inch foil-faced EPS (expanded polystyrene) insulation
- **Typical Inlet Air Conditions:** Temperature: 40°F to 105°F RH: 30% to 100%
- **Typical Operating Conditions:** Temperature: 40°F to 150°F RH: 0% to 100%

Description:

The Aprilaire Model 1700 Whole-House Dehumidifier works throughout the entire home. It removes **50% more** water per kilowatt hour than leading portable dehumidifiers. It also features truly automatic control, so there's never a need to manually control the dehumidifier—just set it once and forget it! The 1700 is the best choice for healthy, comfortable air when installed into a new or existing heating and cooling system.

Features:

- It Provides three times the moisture removing capacity of leading portable dehumidifiers and up to **90 pints or 11.25 gallons per day.**
- There are never any messy tanks to empty or clean.
- It automatically senses moisture levels and maintains optimum humidity levels in the home, never too much, or too little and running only when needed.
- It switches automatically between Whole-House dehumidification when the central air-conditioning system is running, and localizes dehumidification when the air-conditioning isn't running.
- It converts from Whole-Home to localized application, solving excess moisture issues where it is needed the most, from crawl spaces to attics and basements.
- It can be operated manually, allowing the monitoring and control of moisture levels in a specific location—such as a basement or master bedroom.
- **And More...**

MODEL 1700 PERFORMANCE AT INLET AIR CONDITIONS AND 275 CFM

Water Removal, lb/hr (PPD)

Dry Bulb Temp., F	Relative Humidity, % Rh						
	50	55	60	65	70	75	80
60	1.5 (35)	1.9 (44)	2.3 (53)	2.8 (64.5)	3.2 (74)	3.6 (83)	3.9 (90)
65	1.8 (42)	2.3 (53)	2.8 (65)	3.3 (76.1)	3.7 (85)	4.2 (97)	4.6 (106)
70	2.1 (48)	2.7 (62)	3.2 (74)	3.7 (85.3)	4.2 (97)	4.7 (108)	5.2 (120)
75	2.5 (58)	3.1 (72)	3.7 (85)	4.3 (99.1)	4.8 (111)	5.4 (125)	5.9 (136)
80	2.9 (67)	3.5 (81)	3.9 (90)	4.7 (108.3)	5.3 (122)	6 (138)	6.6 (152)
85	3.3 (76)	4 (92)	4.7 (108)	5.4 (125)	6.0 (138)	6.6 (152)	7.2 (166)
90	3.7 (85)	4.5 (104)	5.2 (119.9)	5.9 (136)	6.6 (152)	7.3 (168)	7.9 (182)

ACE #	PK	UM	DESCRIPTION
158170	**EA**	**1**	**1700 Aprilaire Dehumidifier**

*An optional 70RP Living Space Control is available.

Honeywell

Humidifiers

5-Year Warranty

HE225A / B / D

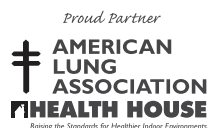*Whole-Home Air Quality Systems*

Specifications:

- **Description HE225A1006:** by-pass Flow Through Humidifier with H8908B Humidistat
- **Description HE225B1004:** by-pass Flow Through Humidifier with H1008 HumidiCalc™ Automatic Humidistat
- **Description HE225DG115:** by-pass Flow Through Humidifier with TrueIAQ Digital Control
- **Application:** Humidification
- **Type:** By-pass Flow-Through
- **Capacity:** (gal. per day) 12 gal. per day
- **Capacity:** (liter per day) 46 L per day
- **Voltage:** 24 Vac
- **Electrical Ratings:** 0.5A
- **Frequency:** 60 Hz
- **Color:** White and Blue
- **Mounting:** Duct mount
- **By-pass Duct Opening:** (Diameter) (in.) 6 in.
- **By-pass Duct Opening:** (Diameter) (mm) 152 mm
- **Plenum Opening:** (in.) 9 7/16 in. high x 9 5/18 in. wide
- **Plenum Opening:** (mm) 241 mm high x 238 mm wide
- **Dimensions:** (in.) 13 9/16 in. high x 12 in. wide x 9 1/8 in. deep
- **Dimensions:** (mm) 345 mm high x 305 mm wide x 232 mm deep
- **Includes:** By-pass Flow-through Humidifier, summer shut-off damper humidifier pad, mounting template, self-piercing saddle valve 24 Vac transformer and wire, **standard humidistat (HE225A1006), automatic humidistat (HE225B1004), digital humidistat (HE225DG115)**
- **Approvals, Underwriters Laboratories, Inc. UL/CUL Listed Report E185662**
- **Tradeline Value:** Tradeline

Description:

The Honeywell HE225A,B,D **Bypass Flow-Through Humidifiers** use the warm air furnace blower to provide humidification for the whole house. The HE225A,B,D works with virtually any Honeywell humidity control, but for optimal performance, use with the TrueIAQ Digital Control. The HE225A,B,D can maintain proper humidity levels in the home with a comfortable living environment at a lower temperature. The thermostat can be turned down for greater energy savings. Controlling humidity also means moisturizing dry air to prevent damage to hardwood floors and woodwork while preventing excess moisture.

Features/Benefits:

- Anti-microbial coating on pad prevents the surface growth and migration of bacteria, mold, fungus and algae on the humidifier pad.
- Bold new look with blue and white styling.
- Proven technology used for high performance humidification and enhanced comfort.
- Pre-assembled for quicker installation.
- Small footprint, light weight, and reversible components allow easy mounting on either warm air supply or return air duct of any forced air furnace.
- Interior components designed for quick maintenance and service.
- Includes easy-to-use humidity control that mounts on the wall or duct for more flexible installation.
- Continuous flushing reduces the frequency of maintenance in a hard water installation.
- AIRWATCH™ Indicator can be installed to remind homeowner to change humidifier pad.
- Standard tested per ARI Standard 610.
- Five-year warranty.

Proud Partner

AMERICAN LUNG ASSOCIATION
HEALTH HOUSE®
Raising the Standards for Healthier Indoor Environments.

AGION™
ANTIMICROBIAL

The American Lung Association and its
Health House program do not endorse products.

ACE #	PK	UM	DESCRIPTION	
153225	EA	1	**HE225A1006 HW Humidifier**	**With Manual Control**
153226	EA	1	**HE225B1004 HW Humidifier-Auto**	**With H1008 Control**
153227	EA	1	**HE225DG115 HW Humidifier-Auto**	**With TrueIAQ Digital Control**

ACE SUPPLY CO., INC.

Honeywell

Humidifiers

5-Year Warranty

HE265A / B / D

Whole-Home Air Quality Systems

Specifications:

- **Description HE265A1007:** By-pass Flow Through Humidifier with H8908B Humidistat
- **Description HE265B1005:** By-pass Flow Through Humidifier with H1008 HumidiCalc™ Automatic Humidistat
- **Description HE265DG115:** by-pass Flow Through Humidifier with TrueIAQ Digital Control
- **Application:** Humidification
- **Type:** By-pass Flow-Through
- **Capacity:** (gal. per day) 17 gal. per day
- **Capacity:** (liter per day) 64 L per day
- **Voltage:** 24 Vac
- **Electrical Ratings:** 0.5A
- **Frequency:** 60 Hz
- **Color:** White and Blue
- **Mounting:** Duct mount
- **By-pass Duct Opening:** (Diameter) (in.) 6 in.
- **By-pass Duct Opening:** (Diameter) (mm) 152 mm
- **Plenum Opening:** (in.) 12 5/8 in. high x 9 3/4 in. wide
- **Plenum Opening:** (mm) 321 mm high x 248 mm wide
- **Dimensions:** (in.) 16 3/4 in. high x 13 9/16. wide x 9 1/4 in. deep
- **Dimensions:** (mm) 345 mm high x 425 mm wide x 235 mm deep
- **Includes:** By-pass Flow-Through Humidifier, summer shut-off damper humidifier pad, mounting template, self-piercing saddle valve 24 Vac transformer and wire, **standard humidistat (HE265A1007), automatic humidistat (HE265B1005), digital humidistat (HE265DG115)**
- **Approvals, Underwriters Laboratories, Inc. UL/CUL Listed Report E185662**
- **Tradeline Value:** Tradeline

Description:

The Honeywell HE265A,B,D **Bypass Flow-Through Humidifiers** use the warm air furnace blower to provide humidification for the whole house. The HE265A,B,D works with virtually any Honeywell humidity control, but for optimal performance, use with the TrueIAQ Digital Control. The HE265A,B,D can maintain proper humidity levels in the home with a comfortable living environment at a lower temperature. The thermostat can be turned down for greater energy savings. Controlling humidity also means moisturizing dry air to prevent damage to hardwood floors and woodwork while preventing excess moisture.

Features/Benefits:

- Anti-microbial coating on pad prevents the surface growth and migration of bacteria, mold, fungus and algae on the humidifier pad.
- Bold new look with blue and white styling.
- Proven technology used for high performance humidification and enhanced comfort.
- Pre-assembled for quicker installation.
- Small footprint, light weight, and reversible components allow easy mounting on either warm air supply or return air duct of any forced air furnace.
- Interior components designed for quick maintenance and service.
- Includes easy-to-use humidity control that mounts on the wall or duct for more flexible installation.
- Continuous flushing reduces the frequency of maintenance in a hard water installation.
- **AIRWATCH™ Indicator** can be installed to remind homeowner to change humidifier pad.
- Standard tested per ARI Standard 610.
- Five-year warranty.

Proud Partner

AMERICAN LUNG ASSOCIATION **HEALTH HOUSE®**
Raising the Standards for Healthier Indoor Environments.

AgION™ ANTIMICROBIAL

The American Lung Association and its
Health House program do not endorse products.

ACE #	PK	UM	DESCRIPTION	
153265	EA	1	**HE265A1007 HW Humidifier**	**With Manual Control**
153266	EA	1	**HE265B1005 HW Humidifier-Auto**	**With H1008 Control**
153267	EA	1	**HE265DG115 HW Humidifier-Auto**	**With TrueIAQ Digital Control**

Specifications:

- **Description HE365A1006:** Powered Flow-Through Humidifier with H8908B Humidistat
- **Description HE365B1004:** Powered Flow- Through Humidifier with H1008 HumidiCalc™ Automatic Humidistat
- **Description HE365DG115:** by-pass Flow Through Humidifier with TrueIAQ Digital Control
- **Application:** Humidification
- **Type:** By-pass Flow-Through
- **Capacity:** (gal. per day) 18 gal. per day
- **Capacity:** (liter per day) 68 L per day
- **Voltage:** 120 Vac
- **Electrical Ratings:** 0.7A
- **Frequency:** 60 Hz
- **Color:** White and Blue
- **Mounting:** Duct mount
- **Plenum Opening:** (in.) 14 1/16 in. high x 13 1/2 in. wide
- **Plenum Opening:** (mm) 357 mm high x 343 mm wide
- **Dimensions:** (in.) 15 in. high x 14 in. wide x 10 1/4 in. deep
- **Dimensions:** (mm) 387 mm high x 356 mm wide x 260 mm deep
- **Includes:** Powered Flow-Through Humidifier, mounting template, humidifier pad, self-piercing saddle valve, **standard humidistat (HE365A1006), automatic humidistat (HE365B1004), digital humidistat (HE365DG115)**
- **Approvals, Underwriters Laboratories, Inc. UL/CUL Listed Report E185662**
- **Tradeline Value:** Tradeline

PerfectFLO® Distribution Tray —
Helps ensure that moisture is evenly distributed.

Proud Partner

Description:

The Honeywell HE365A,B,D **Powered Flow-Through Humidifiers** use the warm air furnace blower to provide humidification for the whole house. Dry air contributes to an uncomfortable home—not to mention the potential damage and cracking of hardwood flooring and woodwork. When installed into a home's heating and cooling system, a Honeywell HE365 series Whole-House Powered Humidifier works to automatically maintain a proper humidity level throughout the home. Plus, adding whole-house humidification helps save on energy bills. The thermostat can be turned down because the environment is more comfortable.

Features/Benefits:

- Anti-microbial coating on pad prevents the surface growth and migration of bacteria, mold, fungus and algae on the humidifier pad.
- Bold new look with blue and white styling.
- Capable of humidifying the largest area—up to **4200 sq ft (390 sq m)**—of any Honeywell flow-Through humidifier.
- **Includes the PerfectFlo™** water distribution tray for optimal efficiency and water usage.
- Narrower footprint than popular compatible model while maintaining a common humidifier pad and comparable humidification performance.
- Interior components designed for quick maintenance and service.
- HE365A Humidifier includes a convertible humidity control that mounts on the wall or duct for more flexibility.
- HE365B Humidifier includes the Automatic Humidity **Control with HumidCalc+™** that automatically adjusts humidity level and eliminates moisture build-up.
- HE365D includes TrueIAQ Digital Control that automatically adjusts to maintain ideal humidity.
- Continuous flushing reduces the frequency of maintenance in a hard water installation.
- **AIRWATCH™ Indicator** can be installed to remind homeowner to change humidifier pad.
- Standard tested per ARI Standard 610.
- Five-year warranty.

ACE #	PK	UM	DESCRIPTION	
153360	EA	1	**HE365A1006 HW Power Flow**	**With Manual Control**
153361	EA	1	**HE365B1004 HW Power Flow-Auto**	**With H1008 Control**
153367	EA	1	**HE365DG115 HW Power Flow–Digital Auto**	**With TrueIAQ Digital Control**

Honeywell

TruSTEAM Direct-Injection Humidifiers
HM512VPIAQ / HM512DG115 / HM509VPIAQ
HM509DG115 / HM509H8908 / HM506VPIAQ

5-Year Limited Warranty

NEW!

Specifications:

- **Application:** Humidification
- **Type:** Steam Reservoir
- **Mounting:** Duct or Remote Mount
- **Capacities:** (gal. per day)
  - HM512– 12 gal.
  - HM509– 9 gal.
  - HM506– 6 gal.
- **Dimensions:** 11-1/4 in. W x 19 in. H x 9 in. D
- **Humidifier Operating Temperature Range:** 34ºF–104ºF (1.1ºC–40ºC)
- **Remote Hose/Nozzle Operating Temperature Range:** -50ºF–250ºF (-46ºC–121ºC). Meet this specification if purchasing hose off-the-shelf.
- **Operating Humidity Range:** 0–95% RH, non-condensing
- **Drain Hose Operating Temperature Range:** 34ºF–212ºF (1.1ºC–100ºC)
- **Electrical Ratings and Tolerances:**

Input Ratings

- Power Supply: 120VAC +10/ -15%, 60Hz
  - HM512: 1440W at 120VAC at full load
  - HM509: 1200W at 120VAC at full load
  - HM506: 840W at 120VAC at full load
- HM512: 12A, 120VAC
- HM509: 10A, 120VAC
- HM506: 7A, 120VAC
- 15A, 120VAC interlock switch
- Thermostat/HVAC power monitor (R to C): 10mA resistive at 24VAC
- Field wiring terminals: 18–22 ga. solid
- HVAC power/airflow monitor: 10 mA resistive at 24VAC

Output Ratings

- Relay output contacts:
  - Fan: 1.5A full load, 7.5A locked rotor at 24VAC
  - Heat and Backup: 15A resistive at 120VAC
- Fill Solenoid: 0.1A at 120VAC, 0.5 PF
- Drain Solenoid: 0.1A at 120VAC, 0.5PF
- Humidistat output contacts: 10mA resistive at 24VAC
- Humidistat power supply: 100mA at 24VAC

General Description:

Your TrueSTEAM humidifier provides the highest capacity and most efficient steam humidification for whole-house residential applications.

Product Descriptions:

Models-

- **HM512VPIAQ, HM509VPIAQ & HM506VPIAQ**
  TrueSTEAM humidifier with VisionPRO IAQ Comfort System.
- **HM512DG115**, **HM509DG115 & HM506DG115**
  TrueSTEAM humidifier with TrueIAQ digital IAQ control.
- **HM509H8908 & HM506H8908**
  TrueSTEAM humidifier with manual H8908 humidistat.

Features:

- Provides humidity independent of equipment operation, allowing homeowners to reach their desired humidity set-points regardless of air temperature.
- Can be remotely mounted up to 20 feet from the system.
- Uses up to 70 percent less water to produce even more moisture than traditional whole-house humidifiers.
- Requires only a 1-3/4" cut into ductwork and mounts on a separate, lightweight bracket (included) for accurate leveling.
- Push terminals for easy wiring are routed through an interior harness so no wires are exposed.
- LED lights indicate when system is running or needs service. Lights also provide feedback to the installer during installation.
- Multiple sensors sit in a separate compartment to accurately monitor water levels.

Additional Features:

1 LED light feedback allows you to monitor performance, giving you total control and peace of mind.

2 Sediment screen keeps the tank clean for a longer period of time, reducing maintenance and ensuring optimum performance.

3 Automatically fills with water and drains when needed, so you don't have to remember to do it.

4 Wiring to your HVAC equipment allows TrueSTEAM to supply humidity when you need it by turning on your equipment automatically.

5 The patented Condensate Collect Dome and beveled nozzle keep water in the tank, delivering only true steam into your duct's airflow.

6 Snap-lock latch allows for quick, easy maintenance.

7 True steam provides your home with high-capacity true humidity, while using up to **70% less water than flow-through humidifiers.**
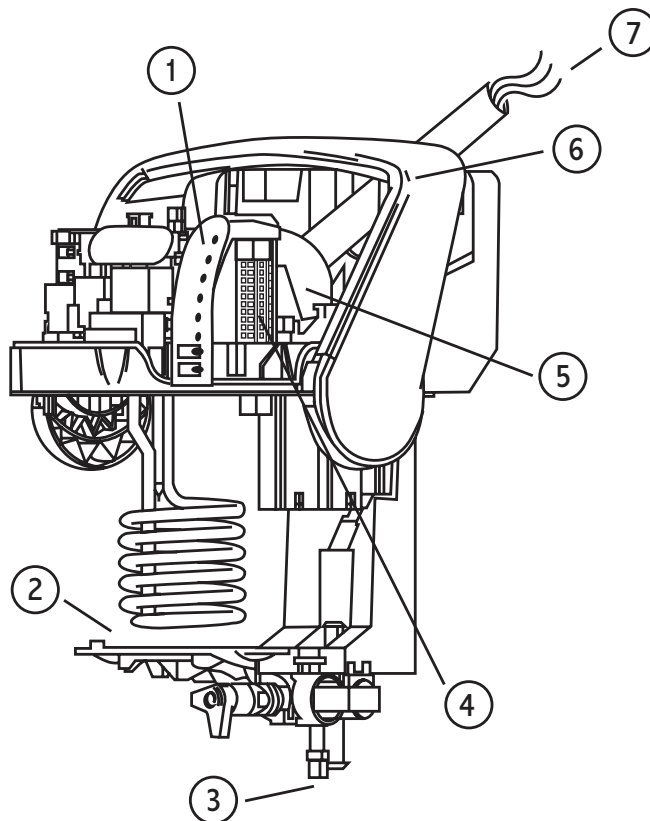
Thermostat Controls/Features:

VisionPRO IAQ Total Comfort System—
(Models HM512, HM509 & HM506)
• Controls both temperature and TrueSTEAM.
• Sensor for displaying outdoor temperature.
• Intuitive user interface for easy 7-day temperature programming.
• Easy-to-read backlit digital display.
• Maintenance and service reminders.
• Controls other air quality equipment when you're ready.

TrueIAQ Digital Control—
(Models HM512, HM509 & HM506)
• Automatic adjustments maintain ideal humidity.
• Sensor for displaying outdoor temperature and humidity.
• Shows actual humidity and desired setting.
• Maintenance and service reminders.
• Controls other air quality equipment when you're ready.

Manual Control—(Model HM506 & HM509)
• Manual control with intuitive comfort settings.
• Integrated humidity chart for accurate control in changing conditions.

ACE #	PK	UM	DESCRIPTION	
153513	EA	1	HM512VPIAQ TruSTEAM Humidifier	With VisionPRO IAQ Control
153512	EA	1	HM512DG115 TruSTEAM Humidifier	With TrueIAQ Digital Control
153511	EA	1	HM509VPIAQ TruSTEAM Humidifier	With VisionPRO IAQ Control
153510	EA	1	HM509DG115 TruSTEAM Humidifier	With TrueIAQ Digital Control
153509	EA	1	HM509H8908 TruSTEAM Humidifier	With Manual Control
153508	EA	1	HM506VPIAQ TruSTEAM Humidifier	With VisionPRO IAQ Control
153507	EA	1	HM506DG115 TruSTEAM Humidifier	With TrueIAQ Digital Control
153506	EA	1	HM506H8908 TruSTEAM Humidifier	With Manual Control

Aprilaire®
Fresh Ideas for Indoor Air®
Accessories

NEW!

58RP Controller
For use with the 400A, 500A/M, 600A/M and 700A/M Models

Description:

The optimum levels of relative humidity in a home fluctuate with the changes in outdoor temperature. An Aprilaire automatic humidifier continually monitors and responds to both outdoor temperatures and indoor relative humidity, delivering optimum levels of humidity throughout the home. Monitoring settings or waiting until the environment in a home is comfortable, is not an issue anymore. The 58RP is a set-it-and-forget-it control that keeps a home's humidity level exactly where it should be.

The digital control panel delivers peace of mind.
Get all of the information you need at a glance!

Know the relative humidity.
Backlit display provides the current humidity level in a home.
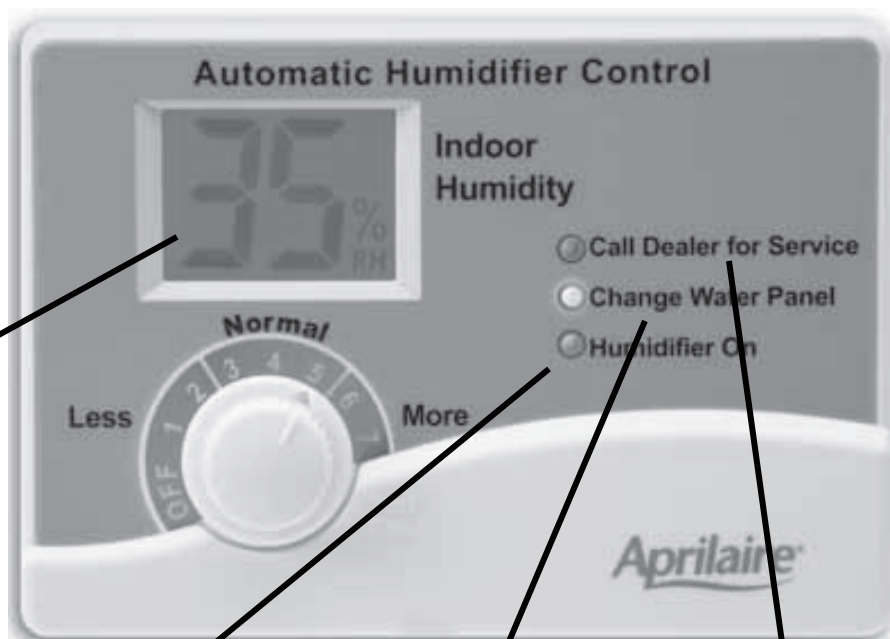
Know when the system is running.
The green light clearly shows that the humidifier is up, running and protecting the home, comfort and health.

Know when to replace the water panel.
The "smart" feature measures usage of the water panel, rather than simply relying on the calendar. The yellow light lets you know when it's time for replacement.

Know immediately when service is needed.
In the unlikely event that there is an issue, the red light clearly indicates that there is a problem, while the digital display provides the service code that a dealer can use to isolate the cause, saving time and money.

ACE #	PK	UM	DESCRIPTION	
160057	EA	1	Aprilaire 58RP Controller	Used With The 400A, 500A/M, 600A/M & 700A/M

Specifications:

- Low Dew Point Control Level ("MORE DRY" or 7 bars on display) 40°F
- High Dew Point Control Level ("LESS DRY" or 1 bar on display) 65°F
- Temperature Sensor Range 40°F to 100°F
- Relative Humidity Sensor Range 30% to 100%
- Temperature Storage Conditions -30°F to 120°

Description:

The Model 70RP Living Space Control provides a convenient, accessible means of turning the Model 1700 Dehumidifier on and off and allows for adjustment of the dryness level set point. The Model 70RP Control contains its own sensors that override the Model 1700 main control board sensors when connected and enabled. Combined with the features of the 1700, total control over room comfort is at your fingertips.

Figure 1 – Living Space Control

LCD Display (See Figure 2)

Mode Buttons – Use to turn Model 1700 Dehumidifier on or off.

45% MORE DRY ON LESS DRY

ON OFF

▲▼ Buttons – Use to raise or lower the dryness level set point from "**MORE DRY**" to "**LESS DRY**".

Figure 2 – LCD Display

Current Room RH (Relative Humidity)

Status Indicator:

Solid "**ON**"= Control is on and dehumidifier is enabled.

Blinking "**ON**"= Dehumidifier is running.

"**ON**" not displayed = Dehumidifier is off.

MORE DRY
45%
ON LESS DRY

Dryness Set Point Bar Display

"**MORE DRY**", "**LESS DRY**", and Bar Display disappear 10 seconds after final adjustment is made using ▲▼ buttons

ACE #	PK	UM	DESCRIPTION
158070	EA	1	70RP Dehumidifier Control

ACE #	PK	UM	DESCRIPTION	
160100	EA	240	#10 Aprilaire Water Panel	For Aprilaire Models (110, 220, 500, 550, 558)
160120	EA	240	#12 Aprilaire Water Panel	For Aprilaire Models (112, 224, 440, 445)
160300	EA	1	#30 Aprilaire Water Panel	For Aprilaire Model (330)
160350	EA	240	#35 Aprilaire Water Panel	For Aprilaire Models (350, 360, 560, 600, 700)
160450	PK	5	#45 Aprilaire Water Panel-2PK	** Only Sold As 2-Pack **

ACE #	PK	UM	DESCRIPTION
160655	EA	1	4655 Manual Humidifier Control

Specifications:

- **Description (H1008A1008):** Dew point control of humidification equipment.
- **Description (H1008D1002):** Dew point control of humidification and dehumidification or ventilation equipment. Application Humidification or Dehumidification
- **Application:** Humidification
- **Voltage:** 24 Vac
- **Electrical Ratings:** (120 Vac, Full Load) 2.0 A at 24 Vac, Humidifier Contacts
- **Electrical Ratings:** (120 Vac, Locked Rotor) 10.0 A at 24 Vac, Humidifier Contacts
- **Electrical Ratings:** (120 Vac, Resistive) 2.0 A at 24 Vac, Humidifier Contacts
- **Color:** Taupe
- **Mounting:** Duct mount
- **Differential:** ± 2.5 F
- **Differential:** ±1.4 C
- **Temperature Range:** (F) 45 F to 88 F
- **Temperature Range:** (C) 7 C to 31 C
- **Operating Humidity Range:** (% RH) 95% RH at 95 F, non-condensing
- **Dimensions (in.):** 4 7/32 in. high x 5 1/4 in. wide x 1 31/32 in. deep
- **Dimensions (mm):** 107 mm high x 133 mm wide x 50 mm deep

Includes (H1008A1008): HumidiCalc+™ Automatic Humidity control for humidification applications.

Includes (H1008D1002): HumidiCalc+™ Automatic Humidity control for humidification and dehumidification applications. Sensor for outdoor temperature compensation.

- **Used With:** C7089H (optional)
- **Tradeline Value:** Tradeline

Description:

The H1008A1008 and H1008D1002 Automatic Humidity Controls with HumidiCalc+™ Software are duct mounted and provide automatic, low voltage, electronic control of by-pass flow through, powered flow-through, steam and drum humidifiers in central heating systems. The H1008D1002 also controls heat/ energy recovery units and dehumidifiers. The H1008A1008 and H1008D1002 are designed to automatically adjust the humidity level based on indoor temperature and humidity, inferred or measured outdoor temperature and the setting of the frost factor dial. The frost factor setting is used to maintain a comfortable humidity level in a home while reducing moisture condensation on inside windows. The HumidiCalc+™ Software infers the outdoor temperature by monitoring the equipment cycles and eliminates the need for an outdoor temperature sensor when used on single-stage gas or oil furnaces. With the use of the C7089H Outdoor Temperature Sensor **(purchased separately)**, both models can also provide automatic humidity control in heat pump and multi-stage systems.

Main Features:

- Patented Honeywell HumidiCalc+™ Software eliminates need for an outdoor sensor on the most common single-stage, gas or oil forced-air equipment.
- Combination temperature and humidity sensor accurately determines the dewpoint at the control location.
- With the use of the C7089H Outdoor Temperature Sensor, the H1008 also provides automatic humidity control in heat pump applications.
- Automatically adjusts humidity level based on the frost factor set by the homeowner.
- System status light indicates normal operation, test mode and fault indication.

ACE #	PK	UM	DESCRIPTION	
153008	**EA**	**12**	**H1008A1008 Auto Humid Control**	
153009	**EA**	**1**	**H1008D1002 Auto Humid Control**	**Dehumidifiers and ERV's**

Description:

The HC Series Humidifier Pads replace the humidifier pads in the Honeywell Flow-Through Humidifiers or Aprilaire® Humidifiers. The humidifier spreads water over the humidifier pad, and when warm air blows over the water soaked area, vapor is generated. As the vapor circulates through the house, the relative humidity rises.

The **HCE22E1003** and the **HC26E1004** pads are designed with the **AgION™ Anti-microbial coating** for even better protection.

ACE #	PK	UM	DESCRIPTION	
153022	EA	120	HC22A1007 Media Panel	For Honeywell Models (HE220 & HE225) For Aprilaire Models (110, 220, 550 & 558)
153026	EA	120	HC26A1008 Media Panel	For Honeywell Models (HE260, HE265, HE360 & HE365) For Aprilaire Models (350, 360, 560, 568, 600, 700, 760 & 768)
153122	EA	60	HC22E1003 H/Shield Media	For Honeywell Models (HE220 & HE225) For Aprilaire Models (110, 220, 550, 558)
153126	EA	60	HC26E1004 H/Shield Media	For Honeywell Models (HE260, HE265, HE360 & HE365) For Aprilaire Models (350, 360, 560, 568, 600, 700, 760, 769)

Additional Accessories

ACE #	PK	UM	DESCRIPTION	
153520	EA	1	50024917-001 10' Remote Mount Kit	
153521	EA	1	50024917-002 20' Remote Mount Kit	
	EA	1	50028004-001 Cover	(Available Upon Request)
	EA	1	50028003-001 Duct Injection Nozzle For Humidifier	(Available Upon Request)
	EA	1	50028001-001 Remote Humidifier Nozzle	(Available Upon Request)
	EA	1	50028002-001 Remote Duct Nozzle	(Available Upon Request)
	EA	1	50020012-001 Mounting Bracket	(Available Upon Request)
	EA	1	50027997-001 Solenoid Valve	(Available Upon Request)
	EA	1	50028044-001 In-line Water Filter	(Available Upon Request)
	EA	1	50024895-001 Sediment Screen For Tank	(Available Upon Request)
	EA	1	50020017-001 HM512 / MN509 Water Tank	(Available Upon Request)
	EA	1	50025892-001 HM506 Water Tank	(Available Upon Request)
	EA	1	50027998-001 Water Level Sensor Assembly	(Available Upon Request)
	EA	1	50022641-001 Wire Harness	(Available Upon Request)
	EA	1	50024921-001 Latch	(Available Upon Request)
	EA	1	32001616-001 Saddle Valve	(Available Upon Request)
153531	EA	1	H8908ASPST Manual Humidistat	SPST Low Voltage
153008	EA	1	H1008A HumidiCalc™ Automatic Humidity Controller	
153009	EA	1	H1008D HumidiCalc™ Automatic Humidity Controller	Controls Dehumidifiers & ERV's

Honeywell

Accessories

NEW!

DG115EZIAQ

TrueIAQ Whole-Home,
Indoor Air Quality Control

Specifications:

TrueIAQ Control and Outdoor Sensor

- Operating/Storage temp: -40°F to 120°F (-40°C to 50°C)
- Condensation Protection: 0-100%
- Operating RH%: 0% to 99% non-condensing (TrueIAQ). Outdoor sensor protected from condensation.
- Temp reading range: -40°C to 50°C (-40°F to 122°F)
- Temp accuracy within range: 0.4°C (0.72°F)
- Humidity reading range: 5% to 95%
- Humidity temp accurate reading range: -20°C to 50°C (-17°F to 122°F)
- Humidity accuracy over that range: +-4.5%
- Maximum real time clock drift over 1 year: 7 minutes
- Vertical mount to cover one gang box
- Flame Rating: UL94V-0
- RoHS compliant
- Relay life: 100,000 cycles at 1A 24Vac

Power Supply

- 24Vac ± 20% 50, 60Hz (TrueIAQ control)
- 24Vdc 2-wire over communication bus, not polarized (outdoor sensor)
- Protected against voltage spikes
- Not protected against over voltage connection (ex 120 or 240V)
- All setup parameters are stored indefinitely

In the Event of Power Failure

- Real-time clock is maintained for 4 hours
- All outputs are deactivated
- All setup parameters are stored indefinitely

Mechanical Design

- Dimensions: 2-3/4" W x 4-3/4" H x 7/8" D (TrueIAQ control); 2-3/4" W x 3-3/4" H x 7/8" D (Outdoor sensor)
- Weight: .35 lbs (TrueIAQ control); .15 lbs. (Outdoor sensor)
- Temperature Unit Display: °C/°F

Description:

The TrueIAQ DG115EZIAQ monitors and automatically adjusts operation of the whole-house humidifier, dehumidifier, ventilator, or bath fan.

It can adjust humidity and deliver fresh air with or without dependency on HVAC equipment operation. If a home has both a humidifier and dehumidifier installed, the TrueIAQ DG115EZIAQ can automatically change over to the appropriate equipment based on the comfort settings and the changing outdoor conditions.

The TrueIAQ DG115EZIAQ provides cost-effective ventilation in accordance to industry standards. In addition, it can be programmed to deliver ventilation during set times during the day or night.

Features:

- Provides humidity independent of equipment operation, allowing homeowners to reach their desired humidity setpoints regardless of air temperature.
- Can be remotely mounted up to 20 feet from the system.
- Uses up to 70 percent less water to produce even more moisture than traditional whole-house humidifiers.
- Requires only a 1-3/4" cut into ductwork and mounts on a separate, lightweight bracket (included) for accurate leveling.
- Push terminals for easy wiring are routed through an interior harness so no wires are exposed.
- LED lights indicate when system is running or needs service. Lights also provide feedback to the installer during installation.
- Multiple sensors sit in a separate compartment to accurately monitor water levels.

ACE #	PK	UM	DESCRIPTION	
153530	EA	1	DG115EZIAQ TrueIAQ Digital Control	24 VAC Wall or Duct Mount

Comfort Settings:
Feedback on your indoor IAQ conditions.

Indoor Conditions:
Actual indoor temperature and humidity.

Outdoor Conditions[1]:
Actual outdoor temperature and humidity.

Programmable Clock:
Displays time and allows IAQ equipment programming based on time.

Maintenance Reminders:
Notifies you when your equipment needs service.

Equipment Operation:
Displays what equipment is operating at a given time.

Done:
Saves changes.

More:
Advances between installed IAQ equipment control options.

Toggle Arrows:
Changes the comfort levels of your IAQ equipment operation.
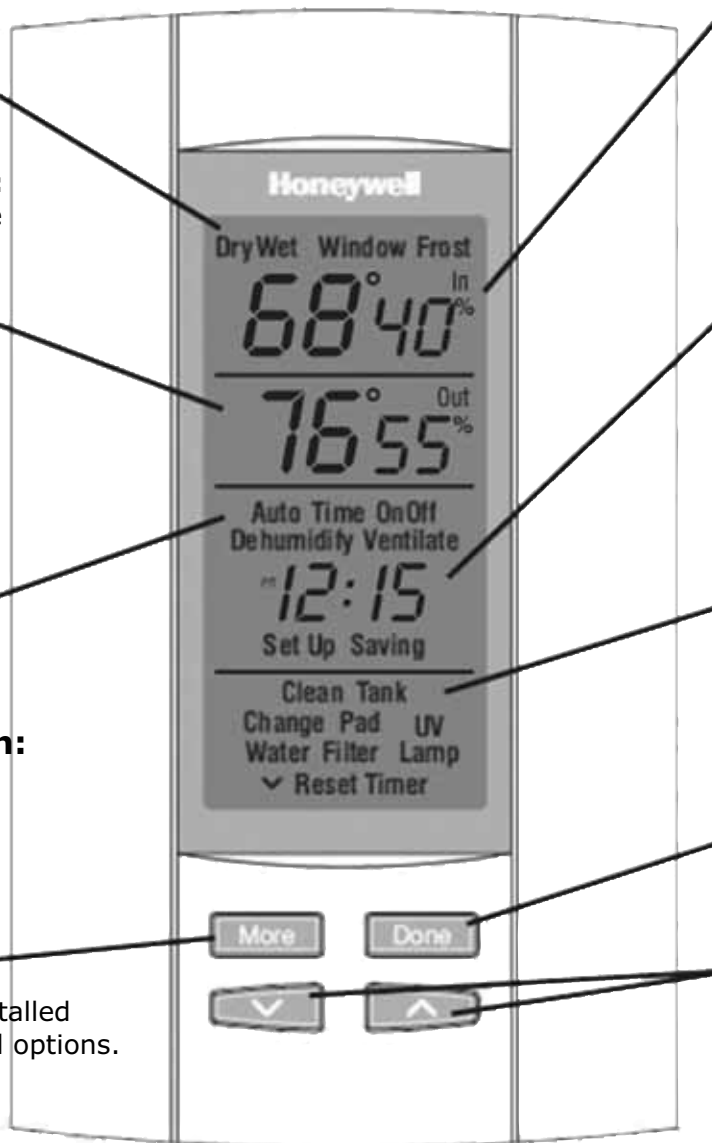
Fans / Ventilation

Energy Efficient, Fresh Air Solutions For The Home.

BROAN®

3-Year Warranty

Specifications:

Blower:
- Plug-in, permanently lubricated motor - engineered for continuous operation
- Dynamically balanced centrifugal blower wheel for quiet, efficient performance
- Maintains a high percentage of rated CFM in less than ideal installations
- **CFM:** QTXE50-50, QTXE80-80, QTXE110-110
- **Sones:** QTXE50– Nearly silent operation <0.3 QTXE80– 0.3, QTXE110–0.7
- Low RPM for quiet operation
- Resilient anti-vibration motor mounts
- Energy Star® compliant

Housing:
- Rugged, 26 gauge, galvanized steel construction
- 6" round ducting for superior performance
- Polymeric duct connector with tapered sleeve and no metallic clatter
- 10-1/2" x 11-3/8" x 7-5/8" height allows for 2" x 8" (nominal) joist installations
- Sturdy, easy, four-point mounting directly to joist
- Includes unique spacer (patent pending) for mounting to engineered "I" joists
- Includes hanger bars to position housing anywhere between 16" to 24"-on-center joists
- Two sets of mounting holes for hanger bars allow flush installation with bottom or top of drywall

Grille:
- Polymeric construction
- Innovative design - the result of extensive research with designers and consumers
- 14" x 15"

Controls (Purchase Separately):
- Model 69VL (Ivory) / 69WL (White) - One rocker switch with "on" indicator light.
- Other controls available from Broan-NuTone
- **3-Year Warranty**

Description:

The quietest products in the industry. The most stylish options for the home. The QTXE line represents the ultimate in bath fan solutions for today's homes. Whether selecting a fan or a fan/light version, the QTXE line brings simple elegance to any bath or powder room. Whether by sight or by sound, the QTXE Line is barely noticeable. One touch of the switch will control just the right amount of ventilation and light.

Air Flow Performance

MODEL QTXE050
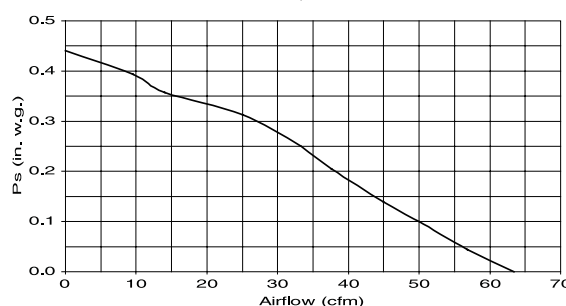
MODEL QTXE080

MODEL QTXE110

HVI 2100 CERTIFIED · energy ENERGY STAR · UL
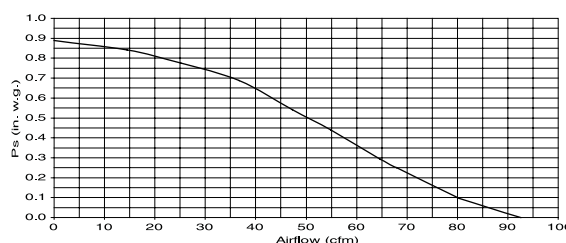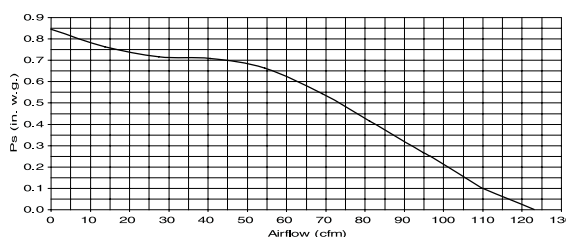
ACE #	PK	UM	DESCRIPTION	
147005	EA	1	QTXE050 Broan Energy Star Fan	Sones 0.3, 50 CFM, 4" or 6" Vent
147008	EA	1	QTXE080 Broan Energy Star Fan	Sones 0.3, 80 CFM, 6" Vent
147011	EA	1	QTXE110 Broan Energy Star Fan	Sones 0.7, 110 CFM, 6" Vent

* U.L. Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit (ceiling mount only).

Specifications:

Blower:
- Plug-in, permanently lubricated motor - engineered for continuous operation
- Dynamically balanced centrifugal blower wheel for quiet, efficient performance
- Low RPM for quiet operation
- Resilient anti-vibration motor mounts
- **CFM:** QTR080-80, QTR110-110
- **Sones:** QTR080-1.0, QTR110-1.5

Housing:
- Rugged, 26 gauge, galvanized steel construction
- Polymeric, 4" round duct connector with tapered sleeve and no metallic clatter
- 7-5/8" height allows for 2" x 8" (nominal) joist installations
- Sturdy, easy, four-point mounting directly to joist
- Includes unique spacer (patent pending) for mounting to engineered "I" joists

Grille:
- Polymeric construction
- Innovative design - the result of extensive research with designers and consumers
- QTR080-12-3/8" x 14". QTR110-13" x 14"

Builder Packs:
- Broan Model QTR050F
  - Includes blower and grille only (packed 1 per carton)
- Rough-in housing required - Order Broan Model QTXR000HF (4 housings per carton)
- Includes hanger bars to position housing anywhere between 16" to 24"-on-center joists (4 sets of hangers per carton)
- Two sets of mounting holes for hanger bars allow flush installation with bottom or top of drywall

Controls (Purchase Separately):
- Model 69VL (Ivory) / 69WL (White) - One rocker switch with "on" indicator light
- Other controls available from Broan-NuTone
- **3-Year Warranty**

Description:

Traditional styles for more conservative budgets. For the bath that's not used everyday you may not have to be as concerned about energy efficiency. The QTR line was designed to satisfy that need. The fan and fan/light models are still among the quietest products in their category, but feature bright incandescent rather than fluorescent lighting. Since they're a perfect match to the QTRE line, they're an ideal design solution for any bath or powder room.

Air Flow Performance

MODEL QTR080

MODEL QTR110

HVI CERTIFIED 2100   UL
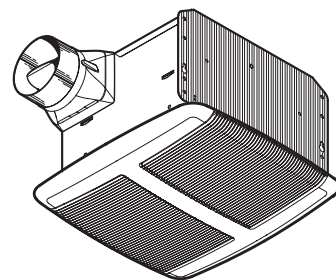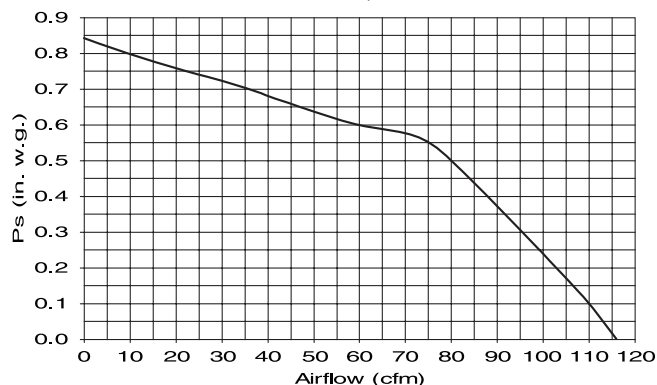
ACE #	PK	UM	DESCRIPTION	
147018	EA	1	QTR080 Broan Fan	Sones 1.0, 80 CFM, 4" Duct
147021	EA	1	QTR110 Broan Fan	Sones 1.5, 110 CFM, 4" Duct

* U.L. Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit (ceiling mount only).

BROAN®

3-Year Warranty

QTR080L / QTR110L
Ultra Silent Series Fans With Light / Nightlight

Specifications:

Blower:
- Plug-in, permanently lubricated motor - engineered for continuous operation
- Dynamically balanced centrifugal blower wheel for quiet, efficient performance
- Low RPM for quiet operation
- Resilient anti-vibration motor mounts
- **CFM:** QTR080-80, QTR110-110
- **Sones:** QTR080-1.0, QTR110-1.5

Housing:
- Rugged, 26 gauge, galvanized steel construction
- Polymeric, 4" round duct connector with tapered sleeve and no metallic clatter
- 7-5/8" height allows for 2" x 8" (nominal) joist installations
- Sturdy, easy, four-point mounting directly to joist
- Includes unique spacer (patent pending) for mounting to engineered "I" joists
- Can be mounted in ceilings up to 7/12 pitch

Grille:
- Polymeric construction
- Innovative design - the result of extensive research with designers and consumers
- 100W incandescent lamp **(bulb not included)**
- 4W night light **(bulb not included)**
- Durable steel reflector with white enamel finish
- 12-3/8" x 14"

Controls (Purchase Separately):
- Refer to Broan's catalog for a complete line of accessories to effectively adapt these fans to your construction requirements.
- **3-Year Warranty**

U.L. Listed for use in insulated ceilings (TYPE I.C.)

Description:

Traditional styles for more conservative budgets. For the bath that's not used everyday you may not have to be as concerned about energy efficiency. The QTR line was designed to satisfy that need. The fan and fan/light models are still among the quietest products in their category, but feature bright incandescent rather than fluorescent lighting. Since they're a perfect match to the QTRE line, they're an ideal design solution for any bath or powder room.

Air Flow Performance

MODEL QTR080L

MODEL QTR110L

HVI CERTIFIED 2100 **UL**
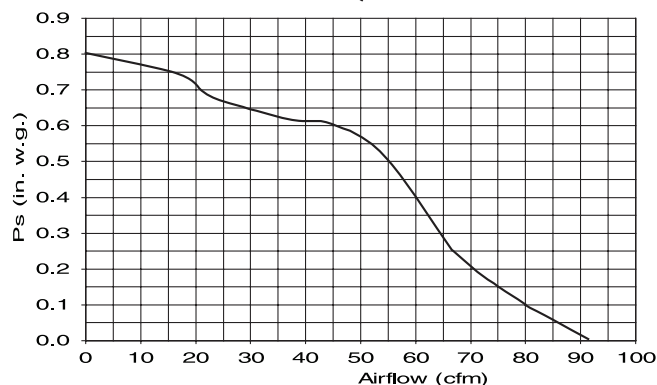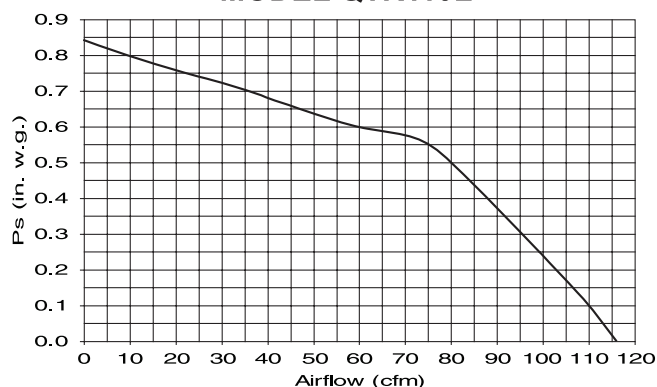
ACE #	PK	UM	DESCRIPTION	
147019	EA	1	QTR080L Broan Fan With Light	Sones 1.0, 80 CFM, 4" Duct
147022	EA	1	QTR110L Broan Fan With Light	Sones 1.5, 110 CFM, 4" Duct

* U.L. Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit (ceiling mount only).

ACE SUPPLY CO., INC.
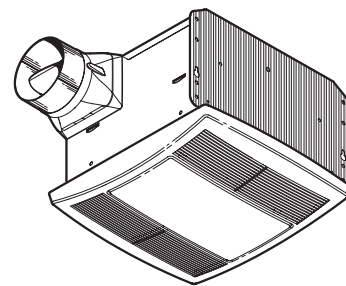
Specifications:

Grille:
- White polymeric grille
- Snap-in light diffusing lens for (2) 60W bulbs and 7W night light **(not included)**

CFM:
- 110

Sones:
- 0.9

Ventilator:
- Resilient anti-vibration mounts
- Plug-in, permanently lubricated motor
- Low sound, high performance blower wheel
- Polymeric, 6" round damper/duct connector - for optimal performance - with 1-1/8" long tapered sleeve and no metallic clatter

Heater:
- 1500 watts, with metal blower wheel for efficient, even heating
- Plug-in, permanently lubricated motor - functions independent of ventilator

Bulbs:
- Bright 120 watt lighting (two 60W incandescent bulbs)
- 7 watt nightlight capacity

Housing:
- Rugged galvanized steel housing
- Adjustable mounting brackets span up to 24"
- Suitable for use in insulated ceilings (Type I.C.).
- Use Model 77DV (Ivory) / 77DW (White) Four Function Control

Note:
- For installation in ceilings up to a 12/12 pitch

Description:

The QTX110HL has a small footprint combined with high-level performance. Now, there is no need to wait 15 minutes for the central heating system in a home to take the chill from the bathroom, while it heats every other room in the house. You can now select instant heat when its needed with the QTX line. Powerful heating, light and ventilation are available at the touch of a switch. And with the PowerHeat design, the energy converted to heat is efficiently delivered to the area that it is needed.
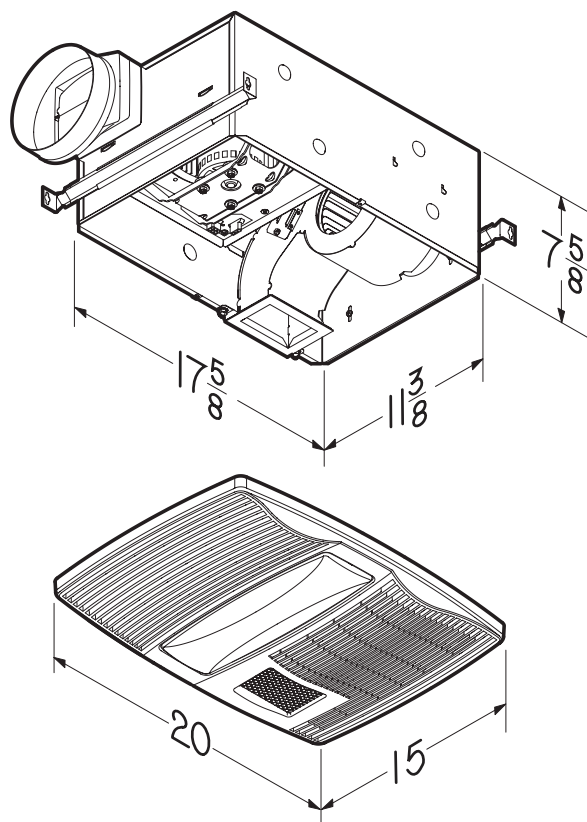
ACE #	PK	UM	DESCRIPTION	
147023	EA	1	QTX110HLL Broan Heat/Light Fan	Sones 0.9, 110 CFM, 6" Vent

Features:

- **Easy to Reach Filters:** Washable foam filters effectively filter airborne particles, such as pet dander, lint, dust and mold spores, while protecting the equipment from dust build-up.
- **HomeShield Defrosting System:** Prevents ice build-up on recovery module.
- **Bottom Door Opening:** Unique bottom door opening design allows parallel duct connection for easy access from any angle.
- **Removable Electrical Drawer:** Remove one screw to release and access the electronics with pull out PCB assembly for easy maintenance of sub-components.
- **Interchangeable Core:** Allows unit to be upgraded from an HRV to an ERV, and vice versa, without additional mechanical adjustments.
- **High-Pressure Blower:** Designed to eliminate the need to balance unit in most simple installations.
- **Intelligent Flow Dampers:** The fresh air intake port is equipped with a damper controlled by an intelligent motor with integrated circuit logic. Easy to access. Easy to maintain. Very precise.
- **Flexible Port Configuration:** Versatile design allows for vertical or horizontal port configuration, facilitating installation and maintenance. (Factory-configured)
- **Unique ERV Core:** Patent pending counter cross-flow energy recovery care technology provides the most effective efficiency/volume ratio of all the units in its category.
- **Convenient Wall Control:** The VT4W is an easy to use 3-mode wall control (Min/Max/Intermittent: 20-Min. On/40-Min. Off).

Description:

The most versatile and compact unit on the market will allow you to replace stale and contaminated air with fresh air in the most demanding installations. Satisfy building codes and standards with state-of-the art technology. Clean and professional looking installations made easy with the most flexible unit on the market. For fresh air in the home, limited space is not an issue anymore!

Ventilation Performance

EXT STATIC PRESSURE		NET SUPPLY AIR FLOW			GROSS AIR FLOW					
					SUPPLY			EXHAUST		
Pa	in.w.g.	l/s	cfm	m³/h	l/s	cfm	m³/h	l/s	cfm	m³/h
25	.1	52	110	187	52	110	187	58	122	205
50	.2	50	106	180	50	106	180	55	116	198
75	.3	48	101	173	48	102	173	53	113	191
100	.4	45	96	162	46	97	166	50	107	180
125	.5	43	92	155	43	92	155	49	103	173
150	.6	41	87	148	41	87	148	45	96	162
175	.7	38	81	137	38	81	137	43	91	155
200	.8	35	75	126	36	76	130	40	85	144

Energy Performance

SUPPLY TEMP		NET AIR FLOW			POWER USED WATTS	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	LATEN RECOVERY MOISTURE TRANSFER
C°	F°	l/s	cfm	m³/h				
HEATING								
0	+32	23	48	82	68	66	78	0.07
0	+32	30	63	108	82	65	76	0.04
0	+32	44	93	157	116	59	68	0.04
-25	-13	30	63	108	110	55	81	0.08
COOLING						TOTAL RECOVERY EFFICIENCY		
+35	+95	-	-	-	-	NOT TESTED		
		-	-	-				

Specifications:

- **Weight:** 42 lb (19 kg)
- **Oval Ports:** Fit 5" (127 mm) ducts
- **Drain Diameter:** 1/2" (12 mm)
- **Installation:** Chains, springs and hooks (provided with the unit).

- **Motor Speeds:** High and low speed
- **Electrical Supply:** 120 V, 60 Hz
- **Power Consumption:** 150 watts

Model HRV90HS

Model HRV90HT

ACE #	PK	UM	DESCRIPTION	
147590	EA	1	HRV90HS Broan Heat Rec/Vent	Side Port (Up To 3000 Sq Ft)
147592	EA	1	HRV90HT Broan Heat Rec/Vent	Top Port (Up To 3000 Sq Ft)

Features:

- **Easy to Reach Filters:** Washable foam filters effectively filter airborne particles, such as pet dander, lint, dust and mold spores, while protecting the equipment from dust build-up.
- **HomeShield Defrosting System:** Prevents ice build-up on recovery module.
- **Bottom Door Opening:** Unique bottom door opening design allows parallel duct connection for easy access from any angle.
- **Removable Electrical Drawer:** Remove one screw to release and access the electronics with pull out PCB assembly for easy maintenance of sub-components.
- **Interchangeable Core:** Allows unit to be upgraded from an HRV to an ERV, and vice versa, without additional mechanical adjustments.
- **High-Pressure Blower:** Designed to eliminate the need to balance unit in most simple installations.
- **Intelligent Flow Dampers:** The fresh air intake port is equipped with a damper controlled by an intelligent motor with integrated circuit logic. Easy to access. Easy to maintain. Very precise.
- **Flexible Port Configuration:** Versatile design allows for vertical or horizontal port configuration, facilitating installation and maintenance. (Factory-configured)
- **Unique ERV Core:** Patent pending counter cross-flow energy recovery care technology provides the most effective efficiency/volume ratio of all the units in its category.
- **Convenient Wall Control:** The VT4W is an easy to use 3-mode wall control (Min/Max/ Intermittent: 20-Min. On/40-Min. Off).

Description:

The most versatile and compact unit on the market will allow you to replace stale and contaminated air with fresh air in the most demanding installations. Satisfy building codes and standards with state-of-the art technology. Clean and professional looking installations made easy with the most flexible unit on the market. For fresh air in the home, limited space is not an issue anymore!

Ventilation Performance

| EXT STATIC PRESSURE | | NET SUPPLY AIR FLOW | | | GROSS AIR FLOW | | | | | |
| | | | | | SUPPLY | | | EXHAUST | | |
Pa	in.w.g.	l/s	cfm	m³/h	l/s	cfm	m³/h	l/s	cfm	m³/h
25	.1	55	116	197	56	119	202	59	125	212
50	.2	53	113	192	55	116	197	57	121	206
75	.3	50	107	182	52	111	189	54	115	195
100	.4	49	104	177	50	107	182	53	112	190
125	.5	46	98	166	48	101	172	50	105	178
150	.6	44	94	160	46	97	165	47	100	170
175	.7	42	88	150	43	91	155	45	95	161
200	.8	39	82	139	40	84	143	42	90	153

Energy Performance

| SUPPLY TEMP | | NET AIR FLOW | | | POWER USED WATTS | SENSIBLE RECOVERY EFFICIENCY | APPARENT SENSIBLE EFFECTIVENESS | LATEN RECOVERY MOISTURE TRANSFER |
C°	F°	l/s	cfm	m³/h				
HEATING								
0	+32	22	46	79	70	67	82	0.60
0	+32	30	64	108	85	65	77	0.54
0	+32	45	91	155	127	61	73	0.49
-25	-13	30	64	108	102	56	78	0.50
COOLING					TOTAL RECOVERY EFFICIENCY			
+35	+95	23	46	166	68	49		
-		-	-	-				

® 2100 HVI CERTIFIED   **c(UL)us**

Specifications:

- **Weight:** 45 lb (20.4 kg)
- **Oval Ports:** Fit 5" (127 mm) ducts
- **Drain Diameter:** 1/2" (12 mm)
- **Installation:** Chains, springs and hooks (provided with the unit).
- **Motor Speeds:** High and low speed
- **Electrical Supply:** 120 V, 60 Hz
- **Power Consumption:** 160 watts

Model ERV90HCS

Model ERV90HCT

ACE #	PK	UM	DESCRIPTION	
147607	EA	1	ERV90HCS Broan Heat Rec/Vent	Side Port (45-96 CFM)
147608	EA	1	ERV90HCT Broan Heat Rec/Vent	Top Port (45-96 CFM)

BROAN®

HRV100H

Heat Recovery Ventilator

Specifications:

- **Voltage:** 120 VAC
- **Frequency:** 60Hz
- **Dimensions:** 21.1" x 34.6" x 13.25"
- **Weight:** 65 lbs
- **Shipping Weight:** 75 lbs
- **HVI Rated of Air Flow:** 169 CFM
- **Power Consumed (max):** 150 Watts
- **Supply Air Duct Connections:** 6" Diameter
- **Exhaust Air Duct Connections:** 6" Diameter
- **Filter:** 30 ppi washable reticulated foam
- **Cabinet:** 20 ga. Pre-painted steel
- **Mounting:** Suspension by chains and springs
- **Wall Control Modes:** N/A
- **Power:** 147 Watts
- **Current:** 1.4 Amps
- **Warranty: 2 years, parts**

Features:

- 71 to 163 cfm (0.3 in. w.g.)
- 64 to 146 cfm (0.4 in. w.g.)
- Offers solid ventilation performance
- Superior heat recovery
- Durable, reliable, high performance
- Best airflow and heat recovery in its class
- Smart Defrost system
- Failure protection system to prevent cold air from entering the house.
- Easy to service – all parts removable in 5 minutes, electrical access on side panel.

Description:

The HRV100H is ideal for homes **3,001 to 4,500 square feet.** It replaces stale and polluted indoor air with fresh outdoor air minimizing negative or positive pressure in the house, while delivering **64 to146 CFM of whole-house balanced ventilation** at the same time. The heat recovery core allows outgoing stale air to temper fresh incoming air without cross contamination. The HRV100H offers great value, quality and performance and is the best in its class!

VENTILATION PERFORMANCE

External Static Pressure		Net Supply Air Flow		Gross Air Flow			
				Supply		Exhaust	
Pa	in. w.g.	L/s	cfm	L/s	cfm	L/s	cfm
25	0.1	78	164	81	172	83	176
50	0.2	74	156	78	165	80	168
75	0.3	71	151	75	158	75	158
100	0.4	64	135	67	142	70	149
125	0.5	56	120	60	127	61	129
150	0.6	43	91	45	95	48	102
175	0.7	35	75	37	79	29	62

Electrical requirements: 120 volts, 1.3 Amps
Exhaust Air Transfer Ratio: 0.05
Note: Unit operating at maximum speed.

ENERGY PERFORMANCE

	Supply Temperature		Net Airflow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Latent Recovery Moisture Transfer
	°C	°F	L/s	cfm	Watts	%	%	
HEATING	0	32	30	64	54	72	80	-0.03
	0	32	46	97	78	65	72	0.01
	0	32	65	138	124	62	70	-0.02
	-25	-13	26	55	62	65	87	0.05
						Total Recovery Efficiency		
COOLING	35	95				Not tested		

ACE #	PK	UM	DESCRIPTION	
147601	EA	1	**HRV100H Broan Heat Rec/Vent**	**(Up To 4500 Sq Ft)**

HVI 2100 CERTIFIED

www.AceSupplyCo.com   **47 of 110**   *One Easy Number: (952) 929-1618*

Specifications:

- **Voltage:** 120 VAC
- **Frequency:** 60Hz
- **Dimensions:** 21.1" x 34.6" x 13.25"
- **Weight:** 73 lbs
- **Shipping Weight:** 78 lbs
- **HVI Rated of Air Flow:** 253 CFM
- **Power consumed (max):** 225 Watts
- **Supply Air Duct Connections:** 6" Diameter
- **Exhaust Air Duct Connections:** 6" Diameter
- **Filter:** 30 ppi washable reticulated foam
- **Cabinet:** 20 ga. Pre-painted steel
- **Mounting:** Suspension by chains and springs
- **Wall Control Modes:** N/A
- **Power:** 202 Watts
- **Current:** 1.9 Amps
- **Warranty: 2 years, parts**

Features:

- 114 to 250 cfm (0.3 in. w.g.)
- 108 to 235 cfm (0.4 in. w.g.)
- Offers solid ventilation performance
- Superior heat recovery
- Durable, reliable, high performance
- Best airflow and heat recovery in its class
- Smart Defrost system
- Failure protection system to prevent cold air from entering the house.
- Easy to service – all parts removable in 5 minutes, electrical access on side panel.

Description:

The HRV200H is ideal for homes **4,500 to 7,500 square feet.** It replaces stale and polluted indoor air with fresh outdoor air minimizing negative or positive pressure in the house, while delivering **108 to 235 CFM of whole-house balanced ventilation** at the same time. The heat recovery core allows outgoing stale air to temper fresh incoming air without cross contamination. The HRV200H offers great value, quality and performance and is the best in its class!

VENTILATION PERFORMANCE

External Static Pressure		Net Supply Air Flow		Gross Air Flow			
				Supply		Exhaust	
Pa	in. w.g.	L/s	cfm	L/s	cfm	L/s	cfm
50	0.2	107	226	111	236	113	240
75	0.3	106	224	110	234	107	225
100	0.4	99	210	104	219	102	216
125	0.5	91	193	95	200	96	202
150	0.6	78	166	81	173	86	183
175	0.7	67	143	70	149	72	154
200	0.8	51	107	53	111	51	108

Electrical requirements: 120 volts, 1.9 Amps
Exhaust Air Transfer Ratio: 0.04
Note: Unit operating at maximum speed.

ENERGY PERFORMANCE

		Supply Temperature		Net Airflow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Latent Recovery Moisture Transfer
		°C	°F	L/s	cfm	Watts	%	%	
HEATING		0	32	51	109	92	69	76	-0.01
		0	32	73	155	128	65	72	-0.02
		0	32	102	215	191	62	70	-0.01
		-25	-13	52	110	104	60	94	0.05
								Total Recovery Efficiency	
COOLING		35	95					Not tested	

ACE #	PK	UM	DESCRIPTION	
147602	EA	1	**HRV200H Broan Heat Rec/Vent**	**(4500- 7500 Sq Ft)**

Specifications:

- **Voltage:** 120 VAC
- **Frequency:** 60Hz
- **Dimensions:** 21.1" x 34.6" x 13.25"
- **Weight:** 65 lbs
- **Shipping Weight:** 75 lbs
- **HVI Rated of Air Flow:** 169 CFM
- **Power Consumed (max):** 150 Watts
- **Supply Air Duct Connections:** 6" Diameter
- **Exhaust Air Duct Connections:** 6" Diameter
- **Filter:** 30 ppi washable reticulated foam
- **Cabinet:** 20 ga. Pre-painted steel
- **Mounting:** Suspension by chains and springs
- **Wall Control Modes:** N/A
- **Power:** 147 Watts
- **Current:** 1.4 Amps
- **Warranty: 2 years, parts**

Features:

- 64 to 152 cfm (0.3 in. w.g.)
- 60 to 142 cfm (0.4 in. w.g.)
- Offers solid ventilation performance
- Superior energy recovery
- Durable, reliable, high performance (ERV) product
- Best airflow and heat recovery in its class
- Smart Defrost system
- Failure protection system to prevent cold air from entering the house.
- Easy to service – all parts removable in 5 minutes, electrical access on side panel.

Description:

The ERV100HC is ideal for homes in moderately humid climates that are from **3,001 to 4,500 square feet.** It replaces stale and polluted indoor air with fresh outdoor air minimizing negative or positive pressure in the house, while delivering **60 to142 CFM of whole-house balanced ventilation** at the same time. It allows the homeowner to enjoy the benefits of fresh air to dilute contaminants without an energy penalty. The advanced **enthalpic core** transfers heat from one air stream to the other, tempering the air. This innovative technology reduces moisture that enters the house during the summer. The ERV100HC saves energy and money and is the best airflow, sensible energy recovery and latent energy recovery product in its class!

VENTILATION PERFORMANCE

External Static Pressure		Net Supply Air Flow		Gross Air Flow			
				Supply		Exhaust	
Pa	in. w.g.	L/s	cfm	L/s	cfm	L/s	cfm
25	0.1	74	158	80	169	85	180
50	0.2	71	151	76	160	79	167
75	0.3	66	139	70	148	73	155
100	0.4	61	130	65	138	71	149
125	0.5	50	107	54	114	61	131
150	0.6	42	90	45	95	51	108
175	0.7	33	71	36	75	38	80
200	0.8	27	58	29	61	22	47

Electrical requirements: 120 volts, 1.3 Amps
Exhaust Air Transfer Ratio: 0.06
Note: Unit operating at maximum speed.

ENERGY PERFORMANCE

	Supply Temperature		Net Airflow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Latent Recovery Moisture Transfer
	°C	°F	L/s	cfm	Watts	%	%	
HEATING	0	32	29	60	56	71	79	0.52
	0	32	47	100	80	64	73	0.41
	0	32	65	137	126	60	68	0.36
	-15	5	31	65	64	56	81	0.41
							Total Recovery Efficiency	
COOLING	35	95	28	59	52		45	

ACE #	PK	UM	DESCRIPTION	
147610	EA	1	ERV100HC Broan Energy Rec/Vent	(Up To 4500 Sq Ft)

HVI 2100 CERTIFIED · c(UL) (UL)

Specifications:

- **Voltage:** 120 VAC
- **Frequency:** 60Hz
- **Dimensions:** 21.1" x 34.6" x 13.25"
- **Weight:** 73 lbs
- **Shipping Weight:** 78 lbs
- **HVI Rated of Air Flow:** 228 CFM
- **Power consumed (max):** 225 Watts
- **Supply Air Duct Connections:** 6" Diameter
- **Exhaust Air Duct Connections:** 6" Diameter
- **Filter:** 30 ppi washable reticulated foam
- **Cabinet:** 20 ga. Pre-painted steel
- **Mounting:** Suspension by chains and springs
- **Wall Control Modes:** N/A
- **Power:** 202 Watts
- **Current:** 1.9 Amps
- **Warranty: 2 years, parts**

Features:

- 117 to 214 cfm (0.3 in. w.g.)
- 110 to 201 cfm (0.4 in. w.g.)
- Offers solid ventilation performance
- Superior energy recovery
- Durable, reliable, high performance (ERV) product
- Best airflow and heat recovery in its class
- Smart Defrost system
- Failure protection system to prevent cold air from entering the house.
- Easy to service – all parts removable in 5 minutes, electrical access on side panel.

Description:

The ERV200HC is ideal for homes in moderately humid climates that are from **4,500 to 7,500 square feet.** It replaces stale and polluted indoor air with fresh outdoor air minimizing negative or positive pressure in the house, while delivering **110 to 201 CFM of whole-house balanced ventilation** at the same time. It allows the homeowner to enjoy the benefits of fresh air to dilute contaminants without an energy penalty. The advanced **enthalpic core** transfers heat from one air stream to the other, tempering the air. This innovative technology reduces moisture that enters the house during the summer. The ERV200HC saves energy and money and is the best airflow, sensible energy recovery and latent energy recovery product in its class!

VENTILATION PERFORMANCE

External Static Pressure		Net Supply Air Flow		Gross Air Flow			
				Supply		Exhaust	
Pa	in. w.g.	L/s	cfm	L/s	cfm	L/s	cfm
25	0.1	109	231	116	245	128	271
50	0.2	107	228	114	241	123	260
75	0.3	101	214	107	227	118	249
100	0.4	95	201	101	213	110	233
125	0.5	86	182	91	193	103	217
150	0.6	79	167	83	177	92	195
175	0.7	62	132	66	140	81	172
200	0.8	40	85	43	90	55	116

Electrical requirements: 120 volts, 1.9 Amps
Exhaust Air Transfer Ratio: 0.06
Note: Unit operating at maximum speed.

ENERGY PERFORMANCE

	Supply Temperature		Net Airflow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Latent Recovery Moisture Transfer
	°C	°F	L/s	cfm	Watts	%	%	
HEATING	0	32	52	110	93	69	79	0.45
	0	32	74	157	130	64	71	0.38
	0	32	96	203	193	60	68	0.30
	-15	5	52	110	122	55	76	0.26
							Total Recovery Efficiency	
COOLING	35	95	50	106	89		41	

ACE #	PK	UM	DESCRIPTION	
147611	EA	1	ERV200HC Broan Energy Rec/Vent	(4500- 7500 Sq Ft)

HVI 2100 CERTIFIED   c(UL)   (UL)

Specifications / Features:

- **Voltage:** 120 VAC
- **Frequency:** 60Hz
- **Dimensions:** 29.4" x 22.9" x 17.8"
- **Weight:** 42 lbs
- **Shipping Weight:** 57 lbs
- **HVI Rated of Air Flow:** 105 CFM
- **Power Consumed (max):** 232 Watts
- **Low Mode**
- **High Mode**
- **Recirculation Mode**
- **Supply Air Duct Connections:** 5" or 6"
- **Exhaust Air Duct Connections:** 8"
- **Filter:** HEPA
- **Cabinet:** ABS & EPS
- **Mounting:** Suspension by chains and springs
- **Easy to Use:** No need for multiple, individual room units
- **Easy to Install:** Designed with a patented tandem "Y-shaped" transition with a single outdoor outlet
- **Wall Control Modes:** Normal, Boost, and Recirculation
- **Power:** 152 Watts
- **Current:** 2.0 Amps
- **Warranty: 2 years, parts**
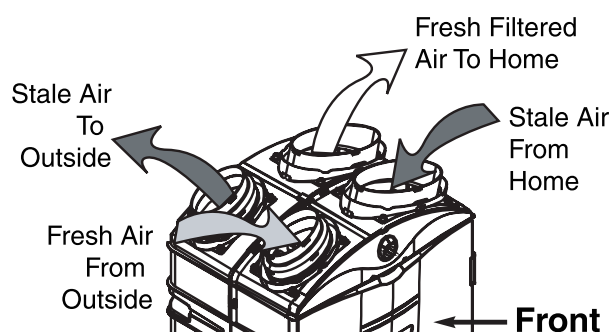
Description:

The GSHH3K is a fully integrated whole-house **HEPA filtration system** with fresh air ventilation and heat recovery capabilities. It minimizes dust and allergen material as small as **0.3 microns**. It is ideal for tightly built, single family homes up to **6,000 square feet and can deliver 270 CFM of fresh clean air into a home.** The heat recovery core allows outgoing stale air to temper fresh incoming air without cross contamination. Homeowners can benefit from fresh air, cleaned with the best available HEPA filtration technology **(99.97% efficiency at particles 0.3μ)**.

ENERGY PERFORMANCE

		65 cfm 5"–L sp	70 cfm 6"–L sp	95 cfm 5"–H sp	105 cfm 6"–H sp
Heating 32˚F/0˚C	Apparent Sen Eff	60%	59%	53%	50%
	Latent/Moisture Eff	0%	0%	0%	0%
	Total Rec Eff	42%	41%	37%	35%
Heating 13˚F/-25˚C	Apparent Sen Eff	60%	59%	53%	50%
	Latent/Moisture Eff	0%	0%	0%	0%
	Total Rec Eff	45%	44%	40%	37%
Cooling 95˚F/35˚C 50% RH	Apparent Sen Eff	60%	59%	53%	50%
	Latent/Moisture Eff	0%	0%	0%	0%
	Total Rec Eff	20%	20%	18%	17%

VENTILATION PERFORMANCE GROSS AIR FLOW

Fresh Air		Exhaust		Recirculation		Average Power
L/s	cfm	L/s	cfm	L/s	cfm	Watts
58	124	57	121	131	277	237
55	116	51	108	119	252	229

Fresh Filtered Air To Home

Stale Air To Outside

Stale Air From Home

Fresh Air From Outside

Front

® 2100 HVI CERTIFIED c UL UL

ACE #	PK	UM	DESCRIPTION	
147625	EA	1	GSHH3K HEPA Filter / HRV Kit	Broan Guardian Plus

BROAN
GuardianPlus
AIR SYSTEMS

GSVH1K
HEPA Filtration / Fresh Air Ventilation System

Description:
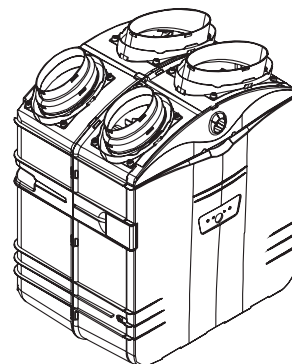
The GSVH1K is a fully integrated whole-house **HEPA filtration system** with fresh air ventilation capabilities. It minimizes dust and allergen material as small as **0.3 microns**. It is ideal for homes in mild climates and up to **2,500 square feet.** Homeowners can benefit from fresh air, cleaned with the best available HEPA filtration technology **(99.97% efficiency at particles 0.3µ)**. It is one of the only whole-house filtration devices on the market to feature an electronic, low voltage wall mounted control switch for convenient operating flexibility. Homeowners can take advantage of **eight "revolutionary" pending patents** delivering indoor air quality now setting the industry standard for optimal indoor air quality & comfort.

TECHNICAL SPECIFICATIONS	MODEL GSVH1K
	Designed for (Numbers published)
Max purification area	Suitable for an entire home with as many as six bedrooms*
	(Based on 15 cfm of fresh air per person, 2 people in first bedroom and one in all the rest, 105 cfm ventilates an entire home with up to 6 bedrooms. Local requirements may very.)
HVI Rated of air flow	105 CFM (178 m³/hr)
Voltage (power requirements)	120 V ac
Frequency	60 hz
Power consumed	
Normal mode	152W
Boost mode	218W
Dimensions Height x Length x Depth	29.4" x 22.9" x 17.8" (737mmx582mmx452mm)
Weight	42 lbs (19.1 kg)
Shipping weight	52 lbs (23.6 kg)
Materials (enclosure & insulation)	ABS & EPS
Agency compliances	UL
AIR-FLOWS (where applicable)	
Fresh outdoor air intake 5" duct [12.7cm]	95 cfm high speed with 5" ducts (161 m³/hr)
	65 cfm low speed with 5" ducts (110 m³/hr)
6" duct [15.2cm]	105 cfm high speed with 6" ducts (178 m³/hr)
	70 cfm low speed with 6" ducts (119 m³/hr)
Stale indoor air drawn from the space	270 cfm high speed (459 m³/hr)
(8" duct) [20.3 cm duct]	180 cfm low speed (306 m³/hr)
Filter/Fresh Air distributed to the indoor space	270 cfm high speed (459 m³/hr)
(8" duct) [20.3 cm duct]	180 cfm low speed (306 m³/hr)
FILTER EFFICIENCY	
Normal mode	99.97% ≥ 0.3 micron @ 180 cfm (306 m³/hr)
Boost mode	99.82% ≥ 0.3 micron @ 270 cfm (459 m³/hr)
UNIT EFFICIENCY (FILTRATION)	
Normal mode	> 87% @ 0.3 micron
Boost mode	> 85% @ 0.3 micron

HVI 2100 CERTIFIED c (UL) (UL)

Fresh Filtered Air To Home
Stale Air To Outside
Stale Air From Home
Fresh Air From Outside
Front

ACE #	PK	UM	DESCRIPTION	
147626	EA	1	GSVH1K HEPA Filter / Fresh Air Kit	Broan Guardian Plus

FEATURES	BENEFITS
ONE ENCLOSURE **Most affordable solution in the industry!**	Integrated whole-house HEPA filtration and Fresh air exchanger in one box! • Industries lowest total: • product cost for these two functions • installed cost for these two functions • servicing cost for these two functions • Industries lowest operating cost: • product requires only one blower, thereby reducing annual operating costs
HEPA Filtration System	• True HEPA filter with 99.97% efficiency on particles $\geq 0.3\mu m$. • Airborne particles trapped by our HEPA filter include: • Pet Dander • Mold Spores • Dust • Bacterial spores • Pollen • Airborne dust mites/cochroach • Fungal spores fecal antigens and proteins • Pre-filter with a >90% efficiency on 3.0 – 10µm size particles to extend the life and performance of our HEPA filter
Fresh Air Features Tandem™ AirDuo™** AirChoke™** AirDiffuse™**	• Tandem™ "Y" shaped transition provides a single home outlet; stale air is exhausted and fresh air drawn in simultaneously, without risk of contamination. The single hole in a home's exterior reduces product installation time, materials and costs • AirDuo™**: duo-flow, Air exhaust / intake outdoor hooded air vent PLUS integrated grille, featuring integral intake and exhaust filters, eliminates air cross-contamination. (Optional "pine tree spore" filter available for mild-climates with Alpine / Pine tree vegetation) • AirChoke™**, in response to Outdoor Air Temperature, our system's AirChoke automatically attenuates air flows to increase system performance and owner comfort • AirDiffuse™** product mixing cavity is specifically designed to ensure proper mixing of external and internal air, which possess differing airflow rates, while ensuring consistent HEPA filtration and ventilation • GuardianPlus™ Air Systems' fresh air exchange eliminates excess humidity during cold weather "heating" seasons
Industries first combination Air Ventilation and True HEPA Filtration unit	• 270 cfm (459 m³/hr) of True HEPA filtered air (containing up to 105 cfm [178 m³/hr] of fresh filtered outdoor air) • Suitable for an entire home with as many as six bedrooms* * (Based on 15 cfm of fresh air per person, 2 people in first bedroom and one in all the rest, 105 cfm ventilates an entire home with up to 6 bedrooms. Local requirements may very.)
Installation Ready	• Installs in less then three hours • Installation kit included (ducting not included) • Integral AirSnap™, snap-on duct ports; facilitate rapid installation and eliminates air leakage • Lightweight enclosure with integrated carrying handles • Unit allows for vertical or horizontal installation
Designed for serviceability	• Self-lubricating motor needs NO service! • FilterGlide™** system, ensures trouble free prefilter and HEPA filter replacement • Filters are changed in less than five minutes!
Owner interface	Electronic, low voltage owner interface features: • No high voltage wiring, no electrician required • LED indication of the products mode of operation • LED indication of filter alert logic facilitates owner filter maintenance to ensure peak performance, indoor air quality, comfort and system efficiency, which extends the product motor life • LED indication of wiring errors facilitate installation • Remote control (no need to go to the mechanical room or attic) of the systems filtration operating modes including; normal, and boost modes
Agency Approvals or Certifications	• UL listed • Certified HVI airflow • A key component in the compliance to ASHRAE 62-1999
Warranty	• Fully protected by a 2-year warranty on all parts. *(See manufacturer warranty for complete details)*

*HEPA- High Efficiency Particulate Air
** = *Patent Pending*

BROAN®
GuardianPlus™
AIR SYSTEMS

Description:

The GSFH1K is a supplemental whole-house filtration system that continually filters indoor air without introducing fresh air. It is an all electric, low voltage device that provides **270 CFM of filtered air**. It is one of the only supplemental whole-house filtration devices on the market to feature an electronic, low voltage wall mounted control switch for convenient operating flexibility. It is ideal for homes up to **2,500 square feet** and cleans air with the best available **HEPA filtration technology (99.97% efficiency at particles 0.3µ).**

TECHNICAL SPECIFICATIONS	MODEL GSFH1K
	Designed for (Numbers published)
Voltage (power requirements)	120 V ac
Frequency	60 hz
Power consumed	
Normal Mode	132W
Boost Mode	170W
Dimensions Height x Length x Depth	29″ x 22.9″ x 17.8″ (737 mm x 582mm x 452 mm)
Weight	35 lbs (15.9 kg)
Shipping weight	48 lbs (21.8 kg)
Materials (enclosure & insulation)	ABS & EPS
Agency compliances	UL
AIR-FLOWS (where applicable)	
Stale indoor air drawn from the space (8" duct)	270 CFM high speed (459 cubic meters/hr)
	180 CFM low speed (306 cubic meters/hr)
Filter/Fresh Air distributed to the indoor space (8" duct)	270 CFM high speed (459 cubic meters/hr)
	180 CFM low speed (306 cubic meters/hr)
FILTER EFFICIENCY	
Normal mode	99.97% ≥ 0.3 micron @ 180 cfm (306 m³/hr)
Boost mode	99.82% ≥ 0.3 micron @ 270 cfm (459 m³/hr)
UNIT EFFICIENCY (FILTRATION)	
Normal mode	> 87% @ 0.3 micron
Boost mode	> 85% @ 0.3 micron

Filtered Fresh
Air To Home

Stale Air
From
Home

c ⓊL

Front

ACE #	PK	UM	DESCRIPTION	
147627	**EA**	**1**	**GSFH1K HEPA Filtration System**	**Broan Guardian Plus**

ACE SUPPLY CO., INC.

FEATURES	BENEFITS

HEPA Filtration System	• True HEPA filter with a 99.97% efficiency on particles ≥ 0.3µm .
	• Airborne particles trapped by our HEPA filter include:
	
	    • Pet Dander • Mold Spores
	    • Dust • Bacterial spores
	    • Pollen • Airborne dust mites/cockroach
	    • Fungal spores fecal antigens and proteins
	
	• Pre-filter with a >90% efficiency on 3.0 – 10µm size particles which extends the life and performance of our HEPA filter.

True HEPA Filtration for the Entire Indoor Environment	• True HEPA filter media • 270 cfm (459 m³/hr) of True HEPA filtered air
Installation Ready	• Installs in less then three hours • Installation kit included (ducting not included) • Integral AirSnap™ snap-on duct ports; facilitate rapid installation and eliminates air leakage. • Lightweight with integrated carrying handles • Unit allows for vertical or horizontal installation
Designed for serviceability	• Self-lubricating motor needs NO service! • FilterGlide™** system, ensures trouble free prefilter and HEPA filter replacement • Filters are changed in less than five minutes!
Owner interface	Electronic, low voltage owner interface ensures: • No high voltage wiring, no electrician required • LED indication of the products mode of operation • LED indication of filter alert logic facilitates owner filter maintenance to ensure peak indoor air quality, comfort and system efficiency, which extends the product motor life • LED indication of wiring errors facilitate installation • Remote control (no need to go to the mechanical room or attic) of the systems filtration operating modes including; normal, and boost modes
Agency Approvals or Certifications	• UL listed
Warranty	• Fully protected by a 2-year warranty on all parts. (See manufacturer warranty for complete details)

*HEPA- High Efficiency Particulate Air
** = *Patent Pending*

BROAN®

GuardianPlus™
AIR SYSTEMS

Specifications / Features:

- **Voltage:** 120 VAC
- **Frequency:** 60Hz
- **Dimensions:** 29.4" x 22.9" x 17.8"
- **Weight:** 50 lbs
- **Shipping Weight:** 62 lbs
- **HVI Rated of Air Flow:** 105 CFM
- **Power Consumed (max):** 232 Watts
- **Low Mode:** 170 Watts
- **High Mode:** 232 Watts
- **Recirculation Mode:** 165 Watts
- **Supply Air Duct Connections:** 5" or 6"
- **Exhaust Air Duct Connections:** 8"
- **Filter:** HEPA
- **Cabinet:** ABS & EPS
- **Mounting:** Suspension by chains and springs
- **Easy to Use:** No need for multiple, individual room units
- **Easy to Install:** Designed with a patented tandem "Y-shaped" transition with a single outdoor outlet
- **Installation Ready:** Installation kit included; allows for horizontal or vertical installation
- **Wall Control Modes:** Normal, Boost, and Recirculation
- **Power:** 152 Watts
- **Current:** 2.0 Amps
- **Warranty:** 2 years, parts
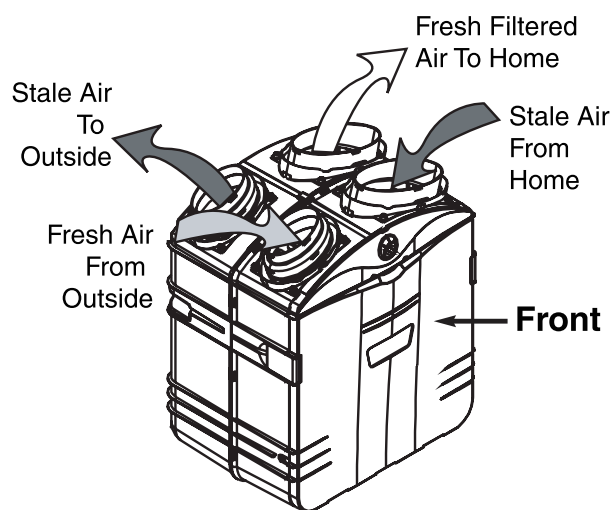
Description:

The GSEH3K is a fully integrated whole-house **HEPA filtration system** with fresh air ventilation and energy recovery capabilities. It minimizes dust and allergen material as small as **0.3 microns**. It is ideal for single family homes in humid areas up to **6,000 square feet and can deliver 270 CFM of fresh clean air into a home.** The fully integrated whole-house HEPA filtration with fresh air ventilation and energy recovery – unit slows the moisture transfer between the outdoor-indoor making it a great solution for areas with high moisture content homeowners can benefit from year round fresh air and energy savings, cleaned with the best available HEPA filtration technology **(99.97% efficiency at particles 0.3μ)**.The GSEH3K is the most comprehensive indoor air quality strategy available on the market.

ENERGY PERFORMANCE

		65 cfm 5"–L sp	70 cfm 6"–L sp	95 cfm 5"–H sp	105 cfm 6"–H sp
Heating 32˚F/0˚C	Apparent Sen Eff	70%	69%	69%	69%
	Latent/Moisture Eff	44%	44%	43%	46%
	Total Rec Eff	61%	61%	60%	60%
Heating 0˚F/-17.7˚C	Apparent Sen Eff	70%	69%	69%	69%
	Latent/Moisture Eff	44%	44%	43%	46%
	Total Rec Eff	63%	63%	62%	62%
Cooling 95˚F/35˚C 50% RH	Apparent Sen Eff	67%	67%	65%	63%
	Latent/Moisture Eff	41%	40%	36%	33%
	Total Rec Eff	50%	49%	45%	43%

VENTILATION PERFORMANCE GROSS AIR FLOW

External Static Pressure		Net Ventilation Airflow		Fresh Air		Exhaust		Recirculation		Average Power
Pa	In. W.g.	L/s	cfm	L/s	cfm	L/s	cfm	L/s	cfm	Watts
50	0.2	57	122	50	105	59	125	127	270	227
100	0.4	53	113	48	102	55	117	120	254	224

Fresh Filtered Air To Home

Stale Air To Outside

Stale Air From Home

Fresh Air From Outside

Front

® 2100 HVI CERTIFIED   c ⓊL   ⓊL
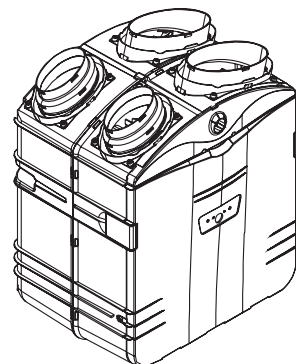
ACE #	PK	UM	DESCRIPTION	
147629	EA	1	GSEH3K HEPA Filter / ERV Kit	Broan Guardian Plus

SummerAire
Built Better to Last Longer

Features :

- **Color Coded Collars:** Easily identify intake and exhaust ports.
- **Attractive Prefinished Insulated Cabinet:** Provides structural strength and quiet operation.
- **High Efficiency Coroplast Core:** Provides one of the best transfer rates in the industry up to 82%. This heat exchange core is easy to clean and does not contribute to mold growth.
- **Built in Dehumidistat:** Automatically controls excess humidity.
- **Energy Efficient Motors:** Ensure years of low cost operation with minimum maintenance.
- **State-of-the-art Recirculating Damper defrost System:** Eliminates the possibility of core freeze up and negative pressure.
- **Permanent Washable Filters:** Filters both incoming and exhaust air to remove additional airborne contaminants before they're allowed to enter the home.
- **3-Speed Built-in Fan Control:** Corrects changes in ventilation levels without any additional controls.
- **Illuminated "ON/OFF" Switch.**
- **Reversible Cabinet Design:** Allows for easier duct installation.
- **Integral Balancing Dampers.**
- **Connections for External Fan Interlock.**

Description:

The Fresh Air Solution

Mechanical ventilation provided by a fresh air exchange system can solve indoor air quality problems. A Summeraire HRV can save a homeowner from damage caused by excess indoor humidity, eliminate indoor air pollutants and odors, and make a home a healthier place to live.

How It Works :

- The HRV unit draws fresh outdoor air into the home through ductwork connected to a venthood on the outside of the home. It then filters the air and distributes it throughout the house, typically through the furnace ductwork.
- The HRV unit draws stale indoor air from throughout the home and exhausts it through ductwork connected to an exhaust hood on the outside of the home.
- The heat recovery core in the HRV transfers up to 82% of the energy from the stale exhaust air to the fresh outdoor air without mixing the two air streams.
- The HRV can run at low speed for continuous fresh air ventilation, and will automatically switch to high speed to control excess humidity and other indoor air pollutants.

Model- SHRV115RD

ENERGY PERFORMANCE								LATENT RECOVERY/ MOISTURE TRANSFER
SUPPLY TEMPERATURE			NET AIR FLOW		SUPPLY EXHAUST FLOW RATIO	POWER CONSUMED WATTS	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	
	C°	F°	L/S	CFM					
HEATING	0	+32	30	63	1.03	80	68	82	0.01
	0	+32	46	98	1.00	118	63	74	0.02
	0	+32	55	118	1.00	136	61	71	0.02
	-25	-13	32	69	.91	102	59	82	.04

HVI 2100 CERTIFIED Home Ventilating Institute

CSA C US CERTIFIED

ACE #	PK	UM	DESCRIPTION
999115	EA	1	**SHRV115RD Summeraire HRV Unit**
999130	EA	9	**SHRV130RD Summeraire HRV Unit**
999190	EA	6	**SHRV190RD Summeraire HRV Unit**

SUPERVENTOR

ACE SUPPLY CO., INC.

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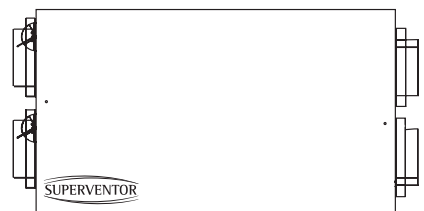
Model SHRV115RD

Electrical:	120 V - 1.12 Amp
Exhaust Air Transfer Ratio:	0.04 @ 0.4 in wg. (100 Pa)
Low Temp. Reduction Factor:	17.8% Supply - 13.8% Exhaust
Low Temp. Imbalance Factor:	0.86

VENTILATION PERFORMANCE

EXT. STATIC		NET SUPPLY		GROSS AIR FLOW			
PRESSURE		AIR FLOW		SUPPLY		EXHAUST	
Pa	in. wg	L/S	CFM	L/S	CFM	L/S	CFM
25	0.1	71	151	74	157	64	136
50	0.2	65	138	68	144	61	130
75	0.3	60	127	62	133	58	123
100	0.4	55	117	57	122	55	117
125	0.5	50	107	52	111	52	110
150	0.6	45	96	47	100	48	102
175	0.7	41	87	43	90	44	94
200	0.8	36	76	37	79	41	87
225	0.9	32	68	33	70	37	79
250	1.0	24	52	26	54	34	72

SPECIFICATIONS

DESCRIPTION	SHRV 115RD	SHRV 130RD	SHRV 190RD
Dimensions (LxWxH)	28.25X14.25X20	36x17.75x20.75	36x17.75x20.75
VAC @ 60H	120	120	120
Amps	1.12	2	2
Shipping Weight Lbs.	60	80	80
Airflow	C.F.M.Against External Static Pressure (each air stream)		
.7"(175Pa)	-	-	169
.6"(150Pa)	96	124	183
.5"(125Pa)	107	145	197
.4"(100Pa)	117	169	209
.3"(75Pa)	127	182	217
.2"(50Pa)	138	196	226
.1"(25Pa)	151	209	234
Built in Dehumidistat	Yes	Yes	Yes
Sensible Effectiveness	82%	79%	79%

MODEL: SHRV190RD

Electrical:	120 V - 1.3 Amp
Exhaust Air Transfer Ratio:	0.01 @ 0.2 in. Wg. (50 Pa)
	0.01 @ 0.4 in wg. (100 Pa)
Low Temp. Reduction Factor:	15% Supply - 16% Exhaust
Low Temp. Imbalance Factor:	0.95

VENTILATION PERFORMANCE

EXT. STATIC		NET SUPPLY		GROSS AIR FLOW			
PRESSURE		AIR FLOW		SUPPLY		EXHAUST	
Pa	in. wg	L/S	CFM	L/S	CFM	L/S	CFM
25	0.1	110	234	112	237	105	223
50	0.2	106	226	108	229	100	214
75	0.3	102	217	103	220	95	203
100	0.4	98	209	100	212	88	187
125	0.5	92	197	94	200	82	175
150	0.6	86	183	87	185	74	157
175	0.7	79	169	81	171	61	129
200	0.8	66	140	67	142	39	82

Model SHRV130RD

Electrical:	120 V - 1.3 Amp
Exhaust Air Transfer Ratio:	0.02 @ 0.2 in. Wg. (50 Pa)
	0.02 @ 0.4 in wg. (100 Pa)
Low Temp. Reduction Factor:	20.2% Supply - 20.6% Exhaust
Low Temp. Imbalance Factor:	0.93

VENTILATION PERFORMANCE

EXT. STATIC		NET SUPPLY		GROSS AIR FLOW			
PRESSURE		AIR FLOW		SUPPLY		EXHAUST	
Pa	in. wg	L/S	CFM	L/S	CFM	L/S	CFM
25	0.1	98	209	100	213	92	196
50	0.2	92	196	94	199	87	185
75	0.3	86	182	87	186	82	174
100	0.4	79	169	81	172	76	162
125	0.5	68	145	70	148	70	148
150	0.6	58	124	58	126	60	127
175	0.7	27	58	28	59	49	104

Model- SHRV130RD

ENERGY PERFORMANCE							LATENT RECOVERY/ MOISTURE TRANSFER
SUPPLY TEMPERATURE			NET AIR FLOW		POWER CONSUMED	SENSIBLE RECOVERY	APPARENT SENSIBLE	
	C°	F°	L/S	CFM	WATTS	EFFICIENCY	EFFECTIVENESS	
HEATING	0	+32	30	64	83	71	82	0.01
	0	+32	46	97	104	67	77	0.00
	0	+32	61	129	117	66	73	0.00
	-25	-13	31	66	95	58	79	0.03
						TOTAL RECOVERY EFFICIENCY		
COOLING	+35	+95	31	65	83	18		

	C°	F°	L/S	CFM	WATTS	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	LATENT RECOVERY/ MOISTURE TRANSFER
HEATING	0	+32	30	64	83	71	82	0.01
	0	+32	46	97	104	67	77	0.00
	0	+32	61	129	117	66	73	0.00
	-25	-13	31	66	95	58	79	0.03
COOLING	+35	+95	31	65	83	TOTAL RECOVERY EFFICIENCY: 18		

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Model- SHRV190RD

ENERGY PERFORMANCE							LATENT RECOVERY/ MOISTURE TRANSFER
SUPPLY TEMPERATURE			NET AIR FLOW		POWER CONSUMED	SENSIBLE RECOVERY	APPARENT SENSIBLE	
	C°	F°	L/S	CFM	WATTS	EFFICIENCY	EFFECTIVENESS	
HEATING	0	+32	40	84	103	66	77	0.01
	0	+32	66	140	132	62	68	0.00
	0	+32	86	182	158	58	64	0.00
	-25	-13	34	72	116	61	79	0.03
						TOTAL RECOVERY EFFICIENCY		
COOLING	+35	+95	42	89	104	29		

HVI 2100 CERTIFIED Home Ventilating Institute   **CSA CERTIFIED**

SUMMERAIRE

Built Better to Last Longer

Features :

- **Color Coded Collars:** Easily identify intake and exhaust ports.
- **Attractive Prefinished Insulated Cabinet:** Provides structural strength and quiet operation.
- **High Efficiency Coroplast Core:** Provides one of the best transfer rates in the industry up to 87%. This heat exchange core is easy to clean and does not contribute to mold growth.
- **Built in Dehumidistat:** Automatically controls excess humidity.
- **Energy Efficient Motors:** Ensure years of low cost operation with minimum maintenance.
- **State-of-the-art Damper Defrost System:** Eliminates the possibility of core freeze up and negative pressure.
- **Permanent Washable Filters:** Filters both incoming and exhaust air to remove additional airborne contaminants before they're allowed to enter the home.
- **4-Speed Built-in Fan Control:** Corrects changes in ventilation levels without any additional controls.
- **Illuminated "ON/OFF" Switch.**
- **Integrated "WET/DRY" Terminals:** Facilitates remote furnace blower operation.
- **Integral Balancing Dampers.**
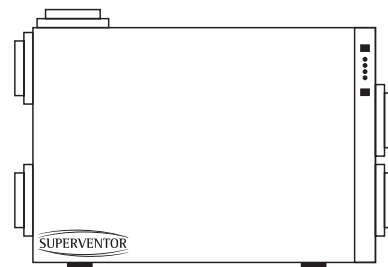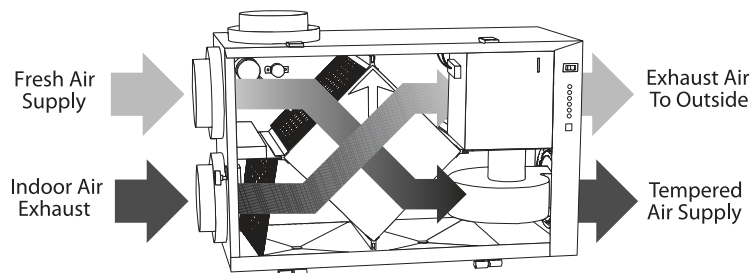
Description:

The Fresh Air Solution

Mechanical ventilation provided by a fresh air exchange system can solve indoor air quality problems. A Summeraire HRV can save a homeowner from damage caused by excess indoor humidity, eliminate indoor air pollutants and odors, and make a home a healthier place to live.

How It Works :

- The HRV unit draws fresh outdoor air into the home through ductwork connected to a venthood on the outside of the home. It then filters the air and distributes it throughout the house, typically through the furnace ductwork.
- The HRV unit draws stale indoor air from throughout the home and exhausts it through ductwork connected to an exhaust hood on the outside of the home.
- The heat recovery core in the HRV transfers up to 82% of the energy from the stale exhaust air to the fresh outdoor air without mixing the two air streams.
- The HRV can run at low speed for continuous fresh air ventilation, and will automatically switch to high speed to control excess humidity and other indoor air pollutants.

SPECIFICATIONS

DESCRIPTION	SHRV 40SD	SHRV 240SD
Dimensions (LxWxH)	24 x 16 x 19	28 x 15 x 26.50
VAC @ 60Hz	120	120
Amps	2	2
Shipping Weight Lbs.	70	119
Airflow C.F.M.Against External Static Pressure (each air stream)		
1.0" (250Pa)	-	92
.8" (200Pa)	-	153
.7" (175Pa)	-	189
.6" (150Pa)	-	228
.5" (125 Pa)	-	254
.4" (100 Pa)	37	268
.3" (75 Pa)	57	-
.2" (50 Pa)	71	-
.1" (25 Pa)	84	-
Built in Dehumidistat	Yes	Yes
Sensible Effectiveness	79%	87%

Enjoy Comfort and Fresh Air!

Fresh Air Supply

Indoor Air Exhaust

Exhaust Air To Outside

Tempered Air Supply

ACE #	PK	UM	DESCRIPTION
999405	EA	1	**SHRV40SD Summeraire HRV Unit**
999440	EA	1	**SHRV240SD Summeraire HRV Unit**

SUPERVENTOR

SUMMER**A**IRE

Built Better to Last Longer

MODEL: SHRV40SD

Options Installed:	Defrost Internal Dehumidistat
Electrical:	120 V - 2.0 Amp
Exhaust Air Transfer Ratio:	0.04 @ 0.04 in. Wg. - 0.04 @ 0.2 in wg.
	0.04 @ 100 Pa - 0.04 @ 50 Pa
Low Temp. Reduction Factor:	12% Supply - 0% Exhaust
Low Temp. Imbalance Factor:	0.90

VENTILATION PERFORMANCE

EXT. STATIC PRESSURE		NET SUPPLY AIR FLOW		GROSS AIR FLOW			
				SUPPLY		EXHUAST	
Pa	in. wg	L/S	CFM	L/S	CFM	L/S	CFM
25	0.1	40	84	41	87	43	91
50	0.2	34	71	35	74	39	83
75	0.3	27	57	28	59	34	72
100	0.4	17	37	18	38	24	51

MODEL: SHRV240SD

Options Installed:	Defrost Internal Dehumidistat
Electrical:	120 V - 2.0 Amp
Exhaust Air Transfer Ratio:	0.04 @ 0.04 in. Wg. - 0.04 @ 0.2 in wg.
	0.04 @ 100 Pa - 0.04 @ 50 Pa
Low Temp. Reduction Factor:	0% Supply - 11% Exhaust
Low Temp. Imbalance Factor:	1.18

VENTILATION PERFORMANCE

EXT. STATIC PRESSURE		NET SUPPLY AIR FLOW		GROSS AIR FLOW			
				SUPPLY		EXHUAST	
Pa	in. wg	L/S	CFM	L/S	CFM	L/S	CFM
100	0.4	127	268	132	280	134	284
125	0.5	120	254	125	265	128	271
150	0.6	108	228	112	237	122	258
175	0.7	89	189	93	197	114	242
200	0.8	72	153	75	159	104	220
225	0.9	43	92	45	95	81	172

Model- SHRV40SD

ENERGY PERFORMANCE								LATENT RECOVERY/ MOISTURE TRANSFER
SUPPLY TEMPERATURE			NET AIR FLOW		POWER CONSUMED WATTS	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	
	C°	F°	L/S	CFM				
HEATING	0	+32	17	36	58	69	93	0.05
	0	+32	25	38	68	74	86	0.08
	0	+32	32	68	117	72	85	0.08
	-25	-13	33	70	122	59	79	0.04
	-25	-13						
						TOTAL RECOVERY EFFICIENCY		
COOLING	+35	+95	35	95	118	19		
	+35	+95						

HVI 2100 CERTIFIED™ Home Ventilating Institute   **CSA CERTIFIED**

Model- SHRV240SD

ENERGY PERFORMANCE								LATENT RECOVERY/ MOISTURE TRANSFER
SUPPLY TEMPERATURE			NET AIR FLOW		POWER CONSUMED WATTS	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	
	C°	F°	L/S	CFM				
HEATING	0	+32	61	129	146	71	83	0.01
	0	+32	83	176	179	67	76	0.01
	0	+32	107	227	216	62	72	0.01
	-25	-13	71	150	147	55	87	0.08
	-25	-13						
						TOTAL RECOVERY EFFICIENCY		
COOLING	+35	+95	60	127	142	25		
	+35	+95						

HVI 2100 CERTIFIED™ Home Ventilating Institute   **CSA CERTIFIED**

SummerAire

Built Better to Last Longer

Features :

- **High Efficiency COROPLAST Core**: Provides one of the best transfer rates in the industry.
- **Easy to Clean:** Does not contribute to mold growth.
- **Integrated "WET" Terminals:** Facilitates remote furnace blower operation.
- **Easy Fan Motor Change Out:** Remove 3 screws and lift fan / motor deck completely out of unit.
- **Integral Balancing Dampers.**
- **State-of-the-art Damper Defrost System:** Eliminates core freeze-up.
- **Washable Air Filters on Incoming and Exhaust Air.**
- **High Efficiency PSC Motor:** Ensures years of low cost, maintenance free operation.
- **Low Voltage External Connections.**
- **Illuminated Power Switch.**
- **Pre-Painted Galvanized Steel Insulated Cabinet:** Provides structural integrity and quiet operation
- **Core and Filters are Easily Serviced.**
- **Options:** Remote dehumidistat, Remote Econo Airmonitor, remote 20 minute push button timer kit and remote 60 minute timer.
- **Warranty: Fifteen (15) Year Warranty on Heat Exchange Core and Full Two (2) Year Warranty on Electrical Components.**
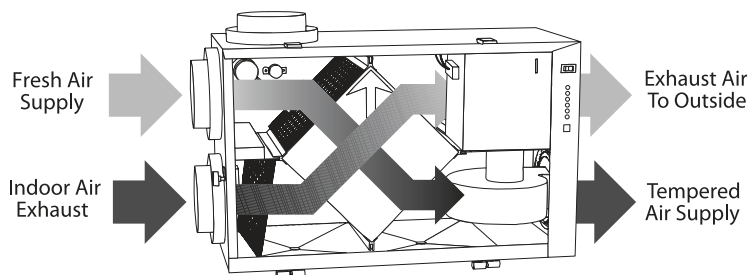
Description:

The Proventer series central air exchangers are the solution to excess humidity and indoor air contamination in today's tightly built homes.
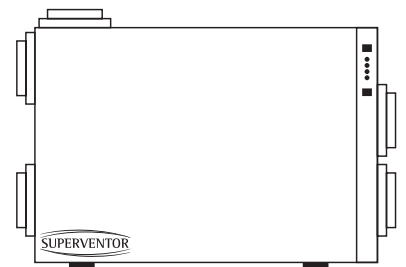
SPECIFICATIONS

DESCRIPTION	SHRV 120ED	SHRV 180ED
Dimensions (LxWxH)	30.5x15x19	32.25x20x20.75
VAC @ 60Hz	120	120
Amps	2	2
Shipping Weight Lbs.	65	85
Airflow C.F.M.Against External Static Pressure (each air stream)		
.4"(100Pa)	106	175
.2"(50Pa)	135	210
.1"(25Pa)	152	225
Built in Dehumidistat	Yes	Yes
Sensible Effectiveness	73%	80%

Enjoy Comfort and Fresh Air!

Fresh Air Supply

Indoor Air Exhaust

Exhaust Air To Outside

Tempered Air Supply

SUPERVENTOR

ACE #	PK	UM	DESCRIPTION
999425	EA	1	**SHRV120ED Summeraire Proventer**
999485	EA	1	**SHRV180ED Summeraire Proventer**

MODEL: SHRV120ED

Options Installed:	Defrost Internal Dehumidistat
Electrical:	120 V - 2.0 Amp
Exhaust Air Transfer Ratio:	0.03 @ 0.4 in. Wg. - 0.03 @ 0.2 in wg.
	0.03 @ 100 Pa - 0.03 @ 50 Pa
Low Temp. Reduction Factor:	18% Supply - 11% Exhaust
Low Temp. Imbalance Factor:	0.92

VENTILATION PERFORMANCE

EXT. STATIC PRESSURE		NET SUPPLY AIR FLOW		GROSS AIR FLOW			
				SUPPLY		EXHUAST	
Pa	in. wg	L/S	CFM	L/S	CFM	L/S	CFM
25	0.1	70	150	73	155	77	163
50	0.2	62	133	67	142	73	155
75	0.3	57	121	60	129	65	138
100	0.4	49	105	52	111	57	120
125	0.5	31	67	33	71	46	99
150	0.6	12	27	13	29	16	35

MODEL: SHRV180ED

Options Installed:	Defrost Internal Dehumidistat
Electrical:	120 V - 2.0 Amp
Exhaust Air Transfer Ratio:	0.02 @ 0.4 in. Wg. - 0.02 @ 0.2 in wg.
	0.02 @ 100 Pa - 0.02 @ 50 Pa
Low Temp. Reduction Factor:	14% Supply - % Exhaust
Low Temp. Imbalance Factor:	0.90

VENTILATION PERFORMANCE

EXT. STATIC PRESSURE		NET SUPPLY AIR FLOW		GROSS AIR FLOW			
				SUPPLY		EXHUAST	
Pa	in. wg	L/S	CFM	L/S	CFM	L/S	CFM
25	0.1	104	222	106	226	113	241
50	0.2	97	207	99	211	103	219
75	0.3	92	197	94	200	100	213
100	0.4	80	173	82	177	95	202
125	0.5	71	151	73	155	89	189
150	0.6	46	98	47	100	80	171

Model- SHRV120ED

ENERGY PERFORMANCE								LATENT RECOVERY/ MOISTURE TRANSFER
SUPPLY TEMPERATURE			NET AIR FLOW		POWER CONSUMED	SENSIBLE RECOVERY	APPARENT SENSIBLE	
	C°	F°	L/S	CFM	WATTS	EFFICIENCY	EFFECTIVENESS	
HEATING	0	+32	55	117	100	54	63	0.02
	0	+32	43	91	76	57	66	0.08
	0	+32	31	66	65	62	74	0.08
	-25	-13	30	64	69	56	73	0.01
	-25	-13						
						TOTAL RECOVERY EFFICIENCY		
COOLING	+35	+95	45	95	94	11		
	+35	+95						

Model- SHRV180ED

ENERGY PERFORMANCE								LATENT RECOVERY/ MOISTURE TRANSFER
SUPPLY TEMPERATURE			NET AIR FLOW		POWER CONSUMED	SENSIBLE RECOVERY	APPARENT SENSIBLE	
	C°	F°	L/S	CFM	WATTS	EFFICIENCY	EFFECTIVENESS	
HEATING	0	+32	57	121	100	72	81	0.0
	0	+32	64	136	108	71	78	0.01
	0	+32	80	170	128	67	74	0.0
	-25	-13	67	143	108	61	80	0.0
	-25	-13						
						TOTAL RECOVERY EFFICIENCY		
COOLING	+35	+95	62	132	104	27		
	+35	+95						

Aprilaire®
*Fresh Ideas for Indoor Air*®

Specifications:

- **Model:** The Aprilaire® Model 8100 Energy Recovery Ventilator is an enthalpy (sensible and moisture transfer) type unit. The unique paper/aluminum EnergyMax® Transfer Core exchanges energy between the fresh air supply and exhaust air streams.
- **Unit Dimensions:** Overall Unit – 373/8" W x 123/4" D x 209/16" H EnergyMax® Transfer Core – 121/8" x 121/8" x 103/4".
- **Airflow Capacity:** 120 cfm @ 0.30 in. w.g. external ductwork resistance, i.e. 240 equivalent feet for each of the "fresh" and "stale" air streams.
- **Performance:** Apparent Sensible Effectiveness (ASE) – 77% at rated ventilation capacity with 72ºF indoor temperature and 32ºF outdoor temperature.
- **Home Size:** Up to 3600 sq. ft. home at rated air flow.
- **Power Requirements:** 120 VAC, 1.4 ampere maximum. Unit equipped with a 3 ft. grounded power cord.
- **Interior Insulation:** Entire interior surface is sealed with 1" single face insulation.
- **Filters:** (2) – 1013/16" x 115/16" x 3/32" EZ Kleen® air filters coated with Super Filter Coat adhesive for maximum performance.
- **Unit Weight and Packaging:** Total shipping weight with mounting hardware – 76 lbs.

Description:

The Aprilaire® Energy Recovery Ventilator is designed to remove indoor air pollution and provide a constant supply of fresh air to the home. The special EnergyMax® transfer core utilizes the indoor conditioned air to pre-heat or pre-cool the incoming fresh air depending on the season. During the winter season, the cross-flow design EnergyMax® transfer core allows the incoming fresh air to be preheated by the warm stale air being exhausted, thereby reducing the energy required by the heating system to warm the air to your desired temperature. This same process removes heat and moisture from the incoming air stream during the summer. This product provides a comfortable and healthy environment for an entire household year round, with only minimal maintenance requirements and trouble-free quiet operation. For optimum benefits, this product has been designed for continuous operation.

Features / Benefits:

- Installs as part of any central heating and cooling system
- Provides a constant, controlled supply of fresh air to your home year-round
- Reduces excess indoor humidity levels
- Reduces unhealthy indoor air pollutants such as formaldehyde, volatile organic compounds (VOCs), radon, carbon dioxide, smoke, odors, dust, bacteria and viruses and more
- Saves energy by effectively retaining and utilizing the energy value from your indoor air
- Ventilates homes up to **3,600 sq. ft. in size**
- **Recovers 77% of the apparent heating or cooling energy from the exhausted air**
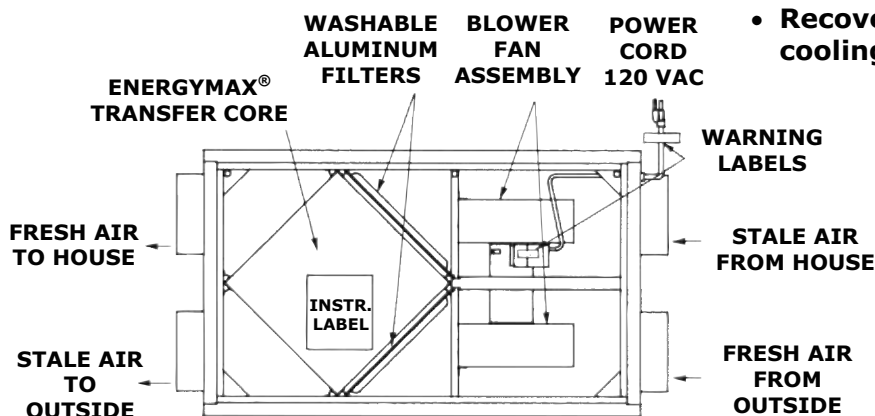
ACE #	PK	UM	DESCRIPTION
156810	EA	6	8100 Aprilaire Air Exchanger

Specifications:

- **Application:** Fresh Air Ventilation System
- **Airflow Capacity:** (external static pressure) 50 to 160 cfm
- **Current Draw:** Nominal (minimum speed) 0.6 A
- **Electrical Ratings:** 24 Vac
- **Characteristics:** Includes W8150A Fresh Air Ventilation Control, EARD6 normally closed 6 inch damper, AT120B 120Vac/24Vac 20VA transformer, mounting hardware for control, homeowner information label
- **Tradeline Value:** Tradeline

Description:

The Y8150A1009 Fresh Air Ventilation System from Honeywell provides optimal ventilation for improved indoor air quality at an affordable price for the homeowner. A "set it and forget it" program calculates the amount of ventilation needed in a home based on the custom settings. The control operates a fresh air intake damper and, when necessary, activates the main HVAC blower to efficiently meet ASHRAE ventilation rates.

Features:

- Designed to help meet local ventilation codes and standards, including ASHRAE 62.2-2003 standard, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings
- Microcontroller optimizes the air delivery schedule to make efficient use of normal HVAC run times
- Easy-to-use input dials allow customized ventilation for each installation
- Test mode that includes immediate feedback to installer to confirm that air delivery requirements of selected ventilation standard are being met
- Economical supply-only ventilation; works with forced air system
- Can be used with other equipment, such as an HRV/ERV, for balanced ventilation

An Affordable, Innovative Solution!

Easily Installed —
To work with your existing heating and cooling fan system to deliver outside air to your home.

Quiet Operation —
Allows you to enjoy your home ventilation without noisy equipment running.

Low Maintenance —
Set-it-and-forget-it programming provides optimal ventilation without having to worry about settings.

Reasonable Price —
Provides an optimal and affordable ventilation solution.

5-Year Warranty

Proud Partner

AMERICAN LUNG ASSOCIATION
HEALTH HOUSE.
Raising the Standards for Healthier Indoor Environments.

The American Lung Association and its Health House program do not endorse products.

5—YEAR
WARRANTY

ACE #	PK	UM	DESCRIPTION
164070	EA	1	Y8150A1009 Fresh Air Vent System

Thermostats / Controllers

*Taking Complete Control
Of A Home's Temperature
Has Never Been Easier!*

Specifications:

- **Description:** VisionPRO® IAQ Total Home Comfort System with Temperature, Humidification, Dehumidification and Ventilation Control
- **Application:** Conventional and Heat Pump systems
- **Programmability:** Universal Programming from 7 Day to Non-Programmable
- **Changeover:** Auto/Manual Selectable
- **Color:** Premier White®
- **Switch Positions (System):** HEAT-OFF-COOL-AUTO-EM.HEAT
- **Switch Positions (Fan):** AUTO-ON-CIRC
- **Power Method:** Communicating
- **Terminal Designations:** 1, 2, 3,
- **Dimensions (in.):** 4 9/16 in. high x 6 in. wide x 1 1/4 in. deep, mounting horizontal
- **Dimensions (mm):** 116 mm high x 152 mm wide x 32 mm deep, mounting horizontal
- **Setting Temperature Range:** (F) Heat: 40 F to 90 F; Cool: 50 F to 99 F
- **Setting Temperature Range:** (C) Heat: 4.5 C to 32 C; Cool: 10 C to 37 C
- **Differential Temperature:** (F) ± 1 F
- **Differential Temperature:** (C) ±0.5 C
- **Stages:** Up to 4 Heat/2 Cool
- **Outdoor Sensor:** Yes, optional outdoor or indoor remote
- **Remote Sensor:** Yes, optional outdoor or indoor remote
- **Sensor Element:** Thermistor
- **Operating Humidity Range:** (% RH) 5 to 90% RH, non-condensing
- **Comments:** Includes Humidification Control with or without Frost Protection, Dehumidification using Whole House Dehumidifier or Air Conditioning with High or Low speed fan, Advanced Patented Ventilation Control and Advanced Dual Fuel Heat Pump Control. Used With THM5421C1008 Equipment Interface Module
- **Dehumidification Setting Range:** 40 to 80% RH.
- **Voltage:** 20 to 30 Vac or 750 mV

Description:

The VisionPRO® TH9421C1004 IAQ Total Home Comfort System features an effortless, 7-Day programmable touch screen thermostat that provides control of temperature, humidification, dehumidification, and ventilation. It also provides electronic control of a 24 Vac heating and cooling systems or 750 mV heating systems in addition to humidification, dehumidification and ventilation.

Features:

- Contains all features of standard VisionPRO®, except arm chair programming.
- Thermostat connects with Equipment Interface Module or EnviraZone panel to control temperature, humidification, dehumidification and ventilation from a single point in the home.
- Automatically raises humidity levels throughout all rooms in a home, moisturizing air to prevent symptoms of dryness and to protect hardwood flooring and woodwork.
- Automatically lowers humidity levels throughout all rooms in a home, utilizing air conditioning or a whole house dehumidifier to prevent dampness, stickiness or odors; symptoms often associated with air that is too moist.
- Removes air pollutants by exchanging the stale air in a house with fresh, filtered air better than having an open window.

Proud Partner

AMERICAN LUNG ASSOCIATION HEALTH HOUSE
Raising the Standards for Healthier Indoor Environments.

ENERGY STAR

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ACE #	PK	UM	DESCRIPTION	
152027	EA	12	TH9421C1004 EnviraZone IAQ	VisionPRO®

Honeywell

Specifications:

- **Description:** VisionPRO® IAQ Total Home Comfort System with Temperature, Humidification, Dehumidification and Ventilation Control
- **Application:** Conventional and Heat Pump systems
- **Programmability:** Universal Programming from 7 Day to Non-Programmable
- **Changeover:** Auto/Manual Selectable
- **Color:** Premier White®
- **Switch Positions (System):** HEAT-OFF-COOL-AUTO-EM.HEAT
- **Switch Positions (Fan):** AUTO-ON-CIRC
- **Power Method:** Communicating
- **Terminal Designations:** 1, 2, 3, C, R, Rc, Rh, R, W1-O/B, W2-Aux, W3-Aux2, Y, Y2, G, L, Out1, Out2, In1, In2, Dats1, Dats2, Hum1, Hum2, Dhm1, Dhm2, Vnt1, Vnt2
- **Dimensions (in.):** 4 9/16 in. high x 6 in. wide x 1 1/4 in. deep, mounting horizontal
- **Dimensions (mm):** 116 mm high x 152 mm wide x 32 mm deep, mounting horizontal
- **Setting Temperature Range:** (F) Heat: 40 F to 90 F; Cool: 50 F to 99 F
- **Setting Temperature Range:** (C) Heat: 4.5 C to 32 C; Cool: 10 C to 37 C
- **Differential Temperature:** (F) ± 1 F
- **Differential Temperature:** (C) ±0.5 C
- **Stages:** Up to 4 Heat/2 Cool
- **Outdoor Sensor:** Yes, optional outdoor or indoor remote
- **Remote Sensor:** Yes, optional outdoor or indoor remote
- **Sensor Element:** Thermistor
- **Heat Current:** 1.0 A running
- **Cool Current:** 1.0 A running
- **Fan Current:** 0.6A running
- **Operating Humidity Range:** (% RH) 5 to 90% RH, non-condensing
- **Includes:** TH9421C1004 Thermostat and THM5421C1008 Equipment Interface Module
- **Comments:** Includes Humidification Control with or without Frost Protection, Dehumidification using Whole House Dehumidifier or Air Conditioning with High or Low speed fan, Advanced Patented Ventilation Control and Advanced Dual Fuel Heat Pump Control.
- **Dehumidification Setting Range:** 40 to 80% RH.
- **Voltage:** 20 to 30 Vac or 750 mV

Description:

The VisionPRO® YTH9421C1002 IAQ Total Home Comfort System features an effortless, 7-Day programmable touch screen thermostat that provides control of temperature, humidification, dehumidification, and ventilation. It also provides electronic control of a 24 Vac heating and cooling systems or 750 mV heating systems in addition to humidification, dehumidification and ventilation.

Features:

- Contains all features of standard VisionPRO®, except arm chair programming.
- Thermostat connects with Equipment Interface Module or EnviraZone panel to control temperature, humidification, dehumidification and ventilation from a single point in the home.
- Automatically raises humidity levels throughout all rooms in a home, moisturizing air to prevent symptoms of dryness and to protect hardwood flooring and woodwork.
- Automatically lowers humidity levels throughout all rooms in a home, utilizing air conditioning or a whole house dehumidifier to prevent dampness, stickiness or odors; symptoms often associated with air that is too moist.
- Removes air pollutants by exchanging the stale air in a house with fresh, filtered air better than having an open window.

Proud Partner

AMERICAN LUNG ASSOCIATION
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ENERGY STAR

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ACE #	PK	UM	DESCRIPTION	
152025	EA	6	YTH9421C1002 VisionPRO® IAQ	For Temp-Hum-DeHum-Vent-Zone

ACE SUPPLY CO., INC.

Specifications:

- **Description:** VisionPRO® Touchscreen 7-Day Programmable 1 Heat/1 Cool Conventional and Heat Pump Thermostat
- **Application:** Conventional and Heat Pump systems
- **Programmability:** Universal Programming from 7 Day to Non-Programmable
- **Changeover:** Auto/Manual Selectable
- **Color:** Premier White®
- **Switch Positions (System):** HEAT-OFF-COOL-AUTO
- **Switch Positions (Fan):** AUTO-ON-CIRC
- **Power Method:** Battery or Hardwired
- **Terminal Designations:** R, RC, C, W (O/B), Y, G, S1, S2
- **Dimensions (in.):** 4 9/16 in. high x 6 in. wide x 1 1/4 in. deep, mounting horizontal
- **Dimensions (mm):** 116 mm high x 152 mm wide x 32 mm deep, mounting horizontal
- **Frequency:** 50 Hz
- **Frequency:** 60 Hz
- **Setting Temperature Range:** (F) Heat: 40 F to 90 F; Cool: 50 F to 99 F
- **Setting Temperature Range:** (C) Heat: 4.5 C to 32 C; Cool: 10 C to 37 C
- **Differential Temperature:** (F) ± 1 F
- **Differential Temperature:** (C) ±0.5 C
- **Stages:** Up to 1 Heat/1 Cool
- **Outdoor Sensor:** Yes, optional outdoor or indoor remote
- **Remote Sensor:** Yes, optional outdoor or indoor remote
- **Sensor Element:** Thermistor
- **Heat Current:** 1.0 A running
- **Cool Current:** 1.0 A running
- **Fan Current:** 0.6A running
- **Operating Humidity Range:** (% RH) 5 to 90% RH, non-condensing
- **Comments:** Selectable to and Heat Only or Cool Only
- **Display Size:** 10 sq. in.
- **Voltage:** 20 to 30 Vac or 750 mV

Description:

The TH8110U1003 universal programmable thermostat provides electronic control of a 24 Vac heating and cooling system or a 750 mV heating system.

Features:

- Large, Clear Display with Backlighting current temperature, set temperature and time are easy-to-read and all are displayed on the home screen.
- Menu Driven Programming Guides you through the scheduling process, showing only necessary information and choices on each screen.
- Ability to Select Multiple Days allows you to easily customize the thermostat for your unique schedule.
- Real-Time Clock keeps time during power failure; automatically updates for daylight savings.
- Armchair Programming allows you to remove thermostat from wall to set the schedule.
- Precise Temperature Control (+/- 1 F) reliable, consistent comfort.
- Multiple HOLD options allows you to modify schedule indefinitely or for a specific time.
- Change Reminders reminds you to service or replace the air filter, humidifier pad, ultraviolet lamp or thermostat batteries.
- Programmable Fan increases air quality when combined with a whole-house air cleaner.
- Outdoor Temperature Indication (Select Models) shows current outdoor temperature on the display to help you plan outdoor activities.

ACE #	PK	UM	DESCRIPTION	
152020	EA	12	TH8110U1003 HW VisionPRO® 1H/1C	Prog Stat-Touch Screen

Specifications:

- **Description:** VisionPRO® Touchscreen 7-Day Programmable 3 Heat/2 Cool Conventional and Heat Pump Thermostat
- **Application:** Conventional and Heat Pump systems
- **Programmability:** Universal Programming from 7 Day to Non-Programmable
- **Changeover:** Auto/Manual Selectable
- **Color:** Premier White®
- **Switch Positions (System):** HEAT-OFF-COOL-AUTO-EM.HEAT
- **Switch Positions (Fan):** AUTO-ON-CIRC
- **Power Method:** Battery or Hardwired
- **Terminal Designations:** R, RC, W (O/B), W2 (AUX), Y, Y2, L, E, G, C, S1, S2
- **Dimensions (in.):** 4 9/16 in. high x 6 in. wide x 1 1/4 in. deep, mounting horizontal
- **Dimensions (mm):** 116 mm high x 152 mm wide x 32 mm deep, mounting horizontal
- **Frequency:** 50 Hz
- **Frequency:** 60 Hz
- **Setting Temperature Range:** (F) Heat: 40 F to 90 F; Cool: 50 F to 99 F
- **Setting Temperature Range:** (C) Heat: 4.5 C to 32 C; Cool: 10 C to 37 C
- **Differential Temperature:** (F) ± 1 F
- **Differential Temperature:** (C) ±0.5 C
- **Stages:** Up to 3 Heat/2 Cool
- **Outdoor Sensor:** Yes, optional outdoor or indoor remote
- **Remote Sensor:** Yes, optional outdoor or indoor remote
- **Sensor Element:** Thermistor
- **Heat Current:** 1.0 A running
- **Cool Current:** 1.0 A running
- **Fan Current:** 0.6A running
- **Operating Humidity Range:** (% RH) 5 to 90% RH, non-condensing
- **Comments:** The L terminal is an input or output
- **Display Size:** 10 sq. in.
- **Voltage:** 20 to 30 Vac or 750 mV

Description:

The TH83201008 universal programmable thermostat provides electronic control of a 24 Vac heating and cooling system or a 750 mV heating system.

Features:

- Large, Clear Display with Backlighting current temperature, set temperature and time are easy-to-read and all are displayed on the home screen.
- Menu Driven Programming Guides you through the scheduling process, showing only necessary information and choices on each screen.
- Ability to Select Multiple Days allows you to easily customize the thermostat for your unique schedule.
- Real-Time Clock keeps time during power failure; automatically updates for daylight savings.
- Armchair Programming allows you to remove thermostat from wall to set the schedule.
- Precise Temperature Control (+/- 1 F) reliable, consistent comfort.
- Multiple HOLD options allows you to modify schedule indefinitely or for a specific time.
- Change Reminders reminds you to service or replace the air filter, humidifier pad, ultraviolet lamp or thermostat batteries.
- Programmable Fan increases air quality when combined with a whole-house air cleaner.
- Outdoor Temperature Indication (Select Models) shows current outdoor temperature on the display to help you plan outdoor activities.

ACE #	PK	UM	DESCRIPTION	
152022	EA	12	TH8320U1008 HW VisionPRO® 3H/2C	Prog Stat-Touch Screen

Honeywell

Specifications:

- **Description:** VisionPRO® Touchscreen 7-Day Programmable 3 Heat/2 Cool Conventional and Heat Pump Thermostat with Dehumidification Control
- **Application:** Conventional and Heat Pump systems
- **Programmability:** Universal Programming from 7 Day to Non-Programmable
- **Changeover:** Auto/Manual Selectable
- **Color:** Premier White®
- **Switch Positions (System):** HEAT-OFF-COOL-AUTO-EM.HEAT
- **Switch Positions (Fan):** AUTO-ON-CIRC
- **Power Method:** Battery or Hardwired
- **Terminal Designations:** R, RC, W (O/B), W2 (AUX), Y, Y2, L, E, G, C, S1, S2
- **Dimensions (in.):** 4 9/16 in. high x 6 in. wide x 1 1/4 in. deep, mounting horizontal
- **Dimensions (mm):** 116 mm high x 152 mm wide x 32 mm deep, mounting horizontal
- **Frequency:** 50 Hz
- **Frequency:** 60 Hz
- **Setting Temperature Range:** (F) Heat: 40 F to 90 F; Cool: 50 F to 99 F
- **Setting Temperature Range:** (C) Heat: 4.5 C to 32 C; Cool: 10 C to 37 C
- **Differential Temperature:** (F) ± 1 F
- **Differential Temperature:** (C) ±0.5 C
- **Stages:** Up to 3 Heat/2 Cool
- **Outdoor Sensor:** Yes, optional outdoor or indoor remote
- **Remote Sensor:** Yes, optional outdoor or indoor remote
- **Sensor Element:** Thermistor
- **Heat Current:** 1.0 A running
- **Cool Current:** 1.0 A running
- **Fan Current:** 0.6A running
- **Operating Humidity Range:** (% RH) 5 to 90% RH, non-condensing
- **Comments:** Includes Dehumidification Control. Conventional and heat pump systems. The L terminal is an input or output.
- **Display Size:** 10 sq. in.
- **Dehumidification Setting Range:** 40 to 80% RH.
- **Voltage:** 20 to 30 Vac or 750 mV

Description:

The TH8321U1006 universal programmable thermostat provides electronic control of a 24 Vac heating and cooling system or a 750 mV heating system.

Features:

- Large, Clear Display with Backlighting current temperature, set temperature and time are easy-to-read and all are displayed on the home screen.
- Menu Driven Programming Guides you through the scheduling process, showing only necessary information and choices on each screen.
- Ability to Select Multiple Days allows you to easily customize the thermostat for your unique schedule.
- Real-Time Clock keeps time during power failure; automatically updates for daylight savings.
- Armchair Programming allows you to remove thermostat from wall to set the schedule.
- Precise Temperature Control (+/- 1 F) reliable, consistent comfort.
- Multiple HOLD options allows you to modify schedule indefinitely or for a specific time.
- Change Reminders reminds you to service or replace the air filter, humidifier pad, ultraviolet lamp or thermostat batteries.
- Programmable Fan increases air quality when combined with a whole-house air cleaner.
- Outdoor Temperature Indication (Select Models) shows current outdoor temperature on the display to help you plan outdoor activities.

ACE #	PK	UM	DESCRIPTION	
152023	EA	12	TH8321U1006 HW VisionPRO® Humid	Control-Multistage Prog T-Stat

Honeywell

T8635L1013
Microelectronic Communicating Thermostat
EnviraCom Series

Specifications:

- **Description:** EnviraCom™ Communicating Programmable Thermostat
- **Application:** Gas, Oil, Electric (Conventional), Single Stage, Multistage Heat Pump Thermostat
- **Programmability:** 7 DAY
- **Network Zoning:** Yes
- **Number of Zones:** Single- or Multi-Zone
- **Heat Pump Compatible:** Yes
- **Compatible with Discharge Air Temperature:** Yes
- **Changeover:** Auto or Manual
- **Power Method:** Hardwired
- **Color:** Premier White®
- **Individual Zone Fan Control:** Yes
- **Terminal Designations:** 1, 2, 3, OT, OT
- **Dimensions (in.):** 3 3/4 in. high x 6 1/16 in. long x 1 9/16 in. deep, mounting horizontal
- **Dimensions (mm):** 95.3 mm high x 154 mm long x 39.7 mm deep, mounting horizontal
- **Operating Humidity Range:** (% RH) 5 to 95% RH, non-condensing
- **Setting Temperature Range:** (F) (Heat) 40 F to 90 F (Cool) 45 F to 99F
- **Setting Temperature Range:** (C) (Heat) 4.5 C to 32 C (Cool) 7 C to 37 C
- **Differential Temperature:** (F) 1 F
- **Differential Temperature:** (C) 0.5 C
- **Interstage Differential Temperature:** (F) 1 to 1.5 F
- **Interstage Differential Temperature:** (C) .45 to .8 C
- **Stages:** Staging controlled by W8635
- **Sensor Element:** NTC Thermistor
- **Required Accessory:** W8635A EIM for up to 2H/2C conventional systems.
- **Required Accessory:** W8635B EIM for up to 2H/1C heat pump systems.
- **Optional Accessory:** C7089B Outdoor Temperature Sensor for outdoor temperature display.
- **LEDs:** No
- **Electrical Ratings:** 18 to 30 Vac
- **Frequency:** 50 Hz
- **Frequency:** 60 Hz
- **Switch Positions (Fan):** AUTO-ON
- **Switch Positions (System):** HEAT-OFF-COOL-AUTO-EM. HT.
- **Ambient Temperature Range:** (F) 40 F to 110 F
- **Ambient Temperature Range:** (C) 4 C to 43 C
- **Tradeline Value:** Tradeline

Description:

The T8635L is a microelectronic communicating programmable thermostat that supports single-stage or multi-stage conventional and heat pump applications when used with the W8835 (3H/2C) or W8635A (up to 2H/2C conventional) or W8635B (up to 2H/1C heat pump) Equipment Interface Module (EIM).

Features:

- Adaptive Intelligent Recovery—Control for comfort and energy savings.
- Customize the program schedule—program your own schedule to fit your needs.
- Temporary schedule override—set the thermostat higher or lower for the current program schedule.
- Permanent schedule override—set the thermostat higher or lower indefinitely.
- Vacation mode—(1 to 255 days) for added comfort and energy savings. Set the temperature higher or lower for energy savings while on vacation. At the same time, set the comfort level you want when you return.
- Set the filter indicator—(0, 15, 30, 60, 90, or 120 days) to remind you to change the filter.
- Information at the press of a button—use the (information) key to see the outdoor temperature (C7089B Outdoor Temperature Sensor optional accessory), the current set-points, or the filter status.
- No batteries needed—your thermostat retains the schedule for the life of the product. You never have to reprogram the schedule even after a power outage. (You may need to reset the day and time after an extended power outage.)
- Daylight Time key—for quick time changes between Daylight and Standard time.
- Backlit display for improved readability—set the backlight feature for backlighting on demand (press any key to activate) or continual backlighting.
- Optional outdoor temperature display.

ACE #	PK	UM	DESCRIPTION	
154420	EA	12	**T8635L1013 HW Communicating Stat**	**White-Use With C7089B Outdoor Sensor**

ACE SUPPLY CO., INC.

Specifications:

- **Description:** Equipment Interface Module (for single and multistage conventional systems)
- **Application:** Controls gas, oil or electric heat conventional systems
- **Uses Honeywell EnviraCom™ communications protocol**
- **Network Zoning:** Yes
- **Number of Zones:** Single- or Multi-Zone
- **Heat Pump Compatible:** No
- **Compatible with Discharge Air Temperature:** Yes
- **Color:** Gray
- **Individual Zone Fan Control:** Yes
- **Terminal Designations:** 1, 2, 3, C, R, Rh, Rc, G, W1, W2, Y1, Y2
- **Dimensions (in.):** 4 3/4 in. high x 4 3/16 in. wide x 1 1/4 in. deep
- **Dimensions (mm):** 121 mm high x 107 mm wide x 32 mm deep
- **Mounting:** No. 6 screw and wall anchors supplied in bag assembly
- **Operating Humidity Range:** (% RH) 5 to 90% RH, non-condensing
- **Stages:** Up to 2 Heat/2 Cool
- **LEDs:** Yes
- **Electrical Ratings:** 20 to 30 Vac
- **Frequency:** 50 Hz
- **Frequency:** 60 Hz
- **Switch Positions (System):** HEAT-OFF-COOL-AUTO
- **Ambient Temperature Range:** (F) -40 F to +150 F
- **Ambient Temperature Range:** (C) -40 C to +66 C
- **Tradeline Value:** Tradeline

Description:

The W8635A1006 Equipment Interface Module (EIM) provides 24 Vac control of single or multistage conventional HVAC equipment when used with a T8635L Microelectronic Communicating Programmable Thermostat. This product can be used with up to 2 heat/2 cool conventional applications.

ACE #	PK	UM	DESCRIPTION	
154425	EA	4	W8635A1006 EnviraCom Equip Mod	HW Up To 2H/2C

Specifications:

- **Description:** Damper Interface Module Use with T8635L and W8635A,B
- **Application:** Damper Interface Module
- **Uses Honeywell EnviraCom communications protocol and can be used with up to three T8635L Microelectronic Communicating Programmable Thermostats and a W8835 EnviraZone Control Panel.**
- **Network Zoning:** Yes
- **Number of Zones:** Up to three zones when used with T8635L Communicating Programmable Thermostats and EnviraCom™ Zone Control Panel
- **Heat Pump Compatible:** Yes, use with W8635B
- **Color:** Gray
- **Individual Zone Fan Control:** Yes
- **Dimensions (in.):** 4 3/4 in. high x 4 3/16 in. wide x 1 1/4 in. deep
- **Dimensions (mm):** 121 mm high x 107 mm wide x 32 mm deep
- **Mounting:** No. 6 screw and wall anchors supplied in bag assembly
- **Operating Humidity Range:** (% RH) 5 to 95% RH, non-condensing
- **LEDs:** Yes
- **Electrical Ratings:** 20 to 30 Vac
- **Frequency:** 50 Hz
- **Frequency:** 60 Hz
- **Ambient Temperature Range:** (F) -40 F to +150 F
- **Ambient Temperature Range:** (C) -40 C to +66 C
- **Approvals:** Federal Communications Commission FCC: Class B
- **Tradeline Value:** Tradeline

Description:

The W8703A1006 Damper Interface Module (DIM) controls up to three conventional zone dampers when used with T8635L Microelectronic Communicating Programmable Thermostats and the W8635 Equipment Interface Module, The W8703A1006 uses EnviraCom™, a lowcost wired communications protocol. Using the product with up to three T8635L Microelectronic Communicating Programmable Thermostats and a W8635A,B Equipment Interface Module enables the following features: Time synchronization and Shared filter indication.

ACE #	PK	UM	DESCRIPTION	
154430	EA	4	W8703A1003 EnviraCom Zone Mod	3 Zone Damper Interface

Features:

- Check the temperature in a home remotely using the telephone
- Adjust the temperature settings remotely using the telephone
- Monitor the temperature in a home, and if the temperature gets too hot or too cold, the homeowner receives a telephone voice message
- Check the indoor and outdoor temperature and indoor humidity remotely using the telephone
- Receive a message remotely when the furnace filter needs replacing
- Receive notice when a detection is made from an optional auxiliary sensor
- Receive a message alert remotely if the power is interrupted for an extended period of time
- Name each zone from a prerecorded list

Description:

The W8735D1009 Telephone Access Module (TAM) is a multi-functional product. This means that it can be used in many different applications such as single- or multi-zone applications, conventional furnaces and heat pump equipment. The Telephone Access Module (TAM) is designed with dial-in and dial-out capability. It can be used to dial-in to a homeowner's number and have the TAM give voice messages concerning the status of a homeowner's system such as the indoor temperature setting, outdoor temperature, and indoor humidity level as well as alert messages. a homeowner can also change the thermostat setting (s) for heating and cooling by dialing in to their home number. The TAM can dial-out to multiple phone numbers to deliver system alerts such as a low battery, temperature above or below its configured limit, or a furnace air filter that needs to be replaced. The TAM can share a telephone line with most answering machines and voice mail systems. The TAM can be prompted to pick up a call to gain access to the HVAC system before the answering machine or voice mail are enabled. Additionally, the TAM is equipped with an emergency telephone line disconnect feature activated when another receiver in the premise is picked up while the TAM is connected. Full access to the TAM is given when the complete pass code is entered when prompted. Limited access is given (to contractors) when the last five digits of the entered Contractor telephone number is entered. Contractor access is limited to the W8735D1009 Alert History.

ACE #	PK	UM	DESCRIPTION
154436	EA	1	**W8735D1009 T-Phone 2 Channel**

Specifications:

- **Description:** 2 Channel Telephone Access Module
- **Application:** The W8735D Telephone Access Module (TAM) provides remote telephone access to the HVAC system when used with EnviraCom™ enabled controls
- **Programmability:** Up to three dial-out numbers, power outage duration, zone names, enable/disable filter alert, and enable/disable dial-out alert.
- **Network Zoning:** Yes
- **Number of Zones:** 9 zones per channel; 2 channels; 18 total zones
- **Heat Pump Compatible:** Yes
- **Compatible with Discharge Air Temperature:** No
- **Changeover:** Auto or Manual
- **Power Method:** Plug in with battery backup
- **Color:** Premier White®
- **Individual Zone Fan Control:** No
- **Terminal Designations:** 1/D, 2/R, 3/B, Aux In, Aux Out
- **Dimensions (in.):** 10 in. high x 5 in. wide x 2 in deep.
- **Dimensions (mm):** 254 mm high x 127 mm wide x 51 mm deep
- **Mounting:** No. 6 screw and wall anchors supplied in bag assembly

Specifications Continued:

- **Operating Humidity Range:** (% RH) 5 to 95% RH, non-condensing
- Optional Accessory C7089B Outdoor Temperature Sensor
- Optional Accessory W8835A Envirazone Panel
- Optional Accessory W8703A Damper Interface Module
- Optional Accessory TH9421 VisionPRO IAQ
- Optional Accessory TH5320 FocusPRO EnviraCom™ Thermostat
- Optional Accessory 50022037-001 EnviraCom™ Outdoor Temperature Sensor
- Optional Accessory 9-volt alkaline battery
- Optional Accessory R8228 General Purpose Relay
- Optional Accessory AT120 General Purpose 20VA Transformer
- Optional Accessory T8365 Microelectronic Communicating Programmable Thermostat
- **LEDs:** Communication and Battery LED's
- **Electrical Ratings:** 24 Vac
- **Frequency:** 50 Hz
- **Frequency:** 60 Hz
- **Ambient Temperature Range:** (F) 32F to 120F
- **Ambient Temperature Range:** (C) 0 C to 49 C
- **Approvals:** Federal Communications Commission FCC rules: Part 68 and Part 15
- **Used With:** EnviraCom™ enabled thermostats and combustion controls

Honeywell

T8665A1002
Chronotherm® IV Wireless Programmable Thermostat

Specifications:

- **Description:** Chronotherm IV Plus Wireless Programmable
- **Application:** Conventional systems
- **Programmability:** 7 Day Program
- **Changeover:** Auto/Manual Selectable
- **Color:** Premier White®
- **Switch Positions (System):** HEAT-OFF-COOL-AUTO
- **Switch Positions (Fan):** AUTO-ON
- **Power Method:** Battery
- **Terminal Designations:** Wireless
- **Dimensions (in.):** 3 3/4 in. high x 6 1/16 in. long x 1 9/16 in. deep, mounting horizontal
- **Dimensions (mm):** 95.3 mm high x 154 mm long x 39.7 mm deep, mounting horizontal
- **Frequency:** 50 Hz
- **Frequency:** 60 Hz
- **Setting Temperature Range:** (F) Heat: 40 F to 90 F; Cool: 45 F to 99 F
- **Setting Temperature Range:** (C) Heat: 4.5 C to 32 C; Cool: 7 C to 37 C
- **Differential Temperature:** (F) ± 1 F
- **Differential Temperature:** (C) ±0.5 C
- **Stages:** See W8665
- **Sensor Element:** Thermistor
- **Heat Current:** 1.5A running, 3.5A inrush
- **Cool Current:** 1.5A running, 7.5A inrush
- **Fan Current:** 0.5A running, 2.5A inrush
- **Transmitter Range:** 3 ft. minimum; 200 ft. maximum.
- **Transmitter Frequency:** 345 MHz
- **Operating Humidity Range:** (% RH) 5 to 90% RH, non-condensing
- **Temperature Range, Ambient:** (F) 40 F to 110 F
- **Temperature Range, Ambient:** (C) 4 C to 43 C
- **Comments:** Each thermostat is encoded with unique serial numbers.
- **Comments:** Required accessory (not included): W8665A or W8665E Receiver Module
- **Tradeline Value:** Tradeline
- **Voltage:** 18 to 30 Vac

Description:

The T8665A1002 Chronotherm® IV Wireless Thermostat provides wireless control of 24 Vac conventional gas, oil, or electric applications (1H/1C) when used with the W8665A Single Zone Receiver Module (RM). It supports single or multistage conventional gas, oil or electric applications and heat pumps with auxiliary heat (up to 3H/2C) for up to three zones when used with the W8665E and a Honeywell zone panel.

Features:

- No wires to thermostat allows easy installation.
- Ideal for retrofit zoning.
- Use when current thermostat inconveniently located or to add a thermostat to a room addition.
- Easy-to-read large display with bright back-lighting.
- Full seven-day flexible program capability; different schedules and temperature setpoints selectable each day.
- Copy key makes programming easier and faster.
- Daylight Savings Time (DST) key.
- Models available with programmable fan operation.
- Easy temporary temperature setpoint changes for current period, vacation hold (1 to 255 days) or indefinite hold.
- Frequently used keys are conveniently located near LCD.
- Configurable features allows one model to replace many different models.
    - F or C temperature display.
    - Automatic or manual changeover.
    - Electric or conventional heat fan operation.
    - Adjustable heating cycle rate.
- Minimum-off time for cooling compressors and heat pumps protects equipment.
- Easy installation, setup and system test.
- System test simplifies troubleshooting and saves time by overriding time delays.
- Adaptive Intelligent Recovery control brings room temperature to temperature setpoint at programmed time.
- Setpoints are permanently held in memory (no batteries used) and retained during power outages.
- Adjustable temperature range stops.

ACE #	PK	UM	DESCRIPTION	
164065	EA	12	T8665A1002 HW (W) RF Chrono	Wireless Thermostat

Specifications:

- **Description:** Chronotherm® IV Wireless RF Zone Panel Receiver
- **Application:** Wireless Panel for up to 3 Zones
- **Color:** Premier White®
- **Power Method:** Hardwired
- **Dimensions (in.):** 7-5/8 in. wide x 7 13/16 in. high x 1 5/8 in. deep
- **Dimensions (mm):** 195 mm wide x 198 mm high x 41 mm deep
- **Mounting:** Mount receiver near the equipment on a wall
- **Frequency:** 50 Hz
- **Frequency:** 60 Hz
- **Stages:** Up to 3 Heat/Up to 2 Cool with zoning panel or equipment controlling additional stages
- **Heat Current:** 1.5A running
- **Cool Current:** 1.5A running
- **Fan Current:** 0.5A running, 2.5A inrush
- **Zones:** Up to three
- **Operating Humidity Range:** (% RH) 5 to 95% RH, non-condensing
- **Comments:** Zone Panels or equipment controls multiple stages of heat or cool.
- **Comments:** Required accessory (not included): W8665A or W8665E Receiver Module
- **Used With:** EMM-3; EMM-3U; TZ-3 TotalZone® Zone Control Panel
- **Used With:** T8665A Chronotherm® IV Plus RF Wireless Thermostat
- **Tradeline Value:** Tradeline
- **Voltage:** 20 to 30 Vac

Description:

The W8665E1000 RF Receiver Module (RM) provides 24 Vac control of HVAC equipment when used with a T8665A Chronotherm® IV Wireless Programmable Thermostat. This product can be used with up to three zones when used with a Honeywell EMM-3 Electronic MiniZone™ Panel, HZ311 TrueZONE™ Panel, EMM-3U Universal Electronic MiniZone™ Panel, HZ322 TrueZONE™ Panel, TZ-3 TotalZone® Control Panel or TZ-4 TotalZone® Zone Control Panel and the HZ432 TrueZONE™ Panel.

Features:

- W8665A can be used with 1H/1C single-zone conventional applications.
- W8665E can be used with up to three zones when used with a Honeywell Zoning Panel.
- Ideal for retrofit zoning or when current thermostat is in a poor location.

ACE #	PK	UM	DESCRIPTION	
164066	EA	1	W8665E 1000 RF Receiver Module	For Use With T8665A1002

Zoning

Effortless Zoning
From Room To Room
In The Home.

Specifications:

- **Construction:** ABS plastic
- **Number of Zones:** 2 and 3 Zones, Single Stage Heating and Cooling
- **Dimensions:** 7-5/8"x 7-1/4" x 1-3/8"
- **Voltage:** 24 Volts AC, 50/60 Hz
- **Temperature Rating:** 0°F to 120°F Operating, -20°F to 140°F Storage
- **Humidity:** 5% to 95% Non-Condensing
- **Connection:** Screwless push-in terminal blocks

Features:

- **NEW Color Coded Push-In Wiring Blocks**
- Economy Two and Three Zone Control Panel
- Heating Only
- Cooling Only
- Single Stage Heating and Cooling
- Indicator LEDs for System Operation

Description:

The Mini MasterZone™ Zoning Panel is a 2 and 3 zone, single stage heating and cooling control panel. This electronic panel provides the simplest zoning functions and works with all standard heating and cooling thermostats. This panel has two models to control different damper motors. The MMZ3 controls 24VAC damper motors. The MMZK (System Kit) includes the ZPS and T24 Transformer. The NEW MMP3, controls the New Plug-in Zone Motors that use modular cords, supplied with each damper and the DC motors. This panel is used exclusively with the ZDSP, ZDBP, RDP and RRP dampers.

The MM panels are designed to use a minimum of wires to make zoning simple and affordable. Each zone uses a standard 4 wire (Y-G-R-W) thermostat. The panels also feature a separate C – Common terminal for 24 Volt powered thermostats. All terminal blocks are color coded for each wire and have push–in connections making wiring even simpler and no need for a small screwdriver, as with all other zoning panels. The state of the art surface mount technology for all electronic components makes for a highly reliable control panel.
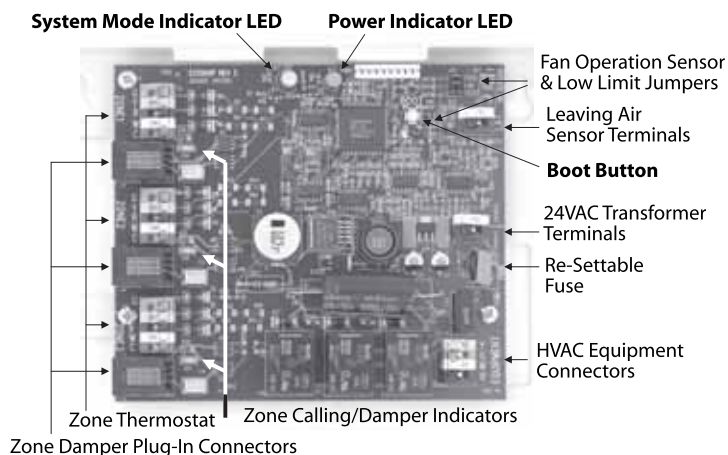
MMP3
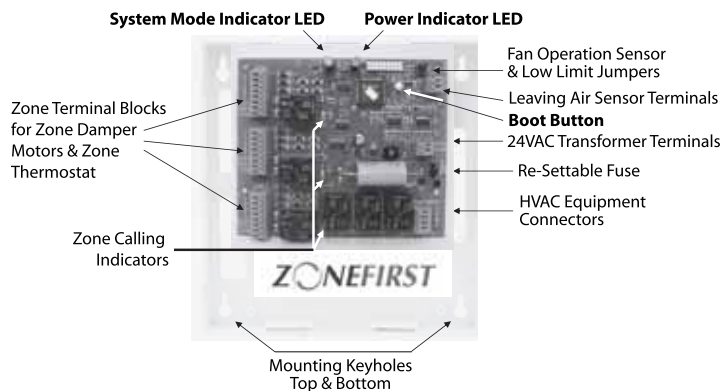
MMZ3 / MMZK

ACE #	PK	UM	DESCRIPTION	
174011	EA	1	MMP3 Mini– MasterZone™ Panel	Includes PPM For RRP Dampers
174003	EA	1	MMZ3 Mini– MasterZone™ Panel	2 and 3 Zone Single Stage
174004	EA	1	MMZK Mini– MasterZone™ System Kit	Includes ZPS and T24 Transformer

Specifications:

- **Construction:** ABS plastic
- **Dimensions:** 7-5/8"x 7-1/4" x 1-3/8"
- **Voltage:** 24 Volts AC, 50/60 Hz
- **Temperature Rating:** 0°F to 120°F Operating, -20°F to 140°F Storage
- **Humidity:** 5% to 95% Non-Condensing
- **Connection:** Screwless Push-in terminal blocks

Features:

- **NEW Color Coded Push-In Wiring Blocks**
- Uses Any Four Wire Thermostat
- Single Stage, Two-Stage and Heat Pump Compatible
- Four Zones
- Expandable to any number of Zones
- Leaving Air Sensor for Capacity Protection
- Staging by Time or by Number of Zones Calling
- Intelligent Changeover Timing

Description:

The MasterZone™ Zoning System (MZS) Panel is a 2, 3 or 4 zone control panel that is capable of controlling single stage, two stage and heat pump systems. This multi-function board uses any 4-wire thermostat. Two stage and heat pump thermostats are NOT required, however Heat Pump thermostats can be used to remotely control the Emergency Heat.

The MZS panel is the most cost effective and versatile zone controller on the market today. Using surface mount technology, its compact size is full of features not found in any other zone control panel.

The MZS provides the basic function of zoning by being the central control panel that all zone thermostats, zone damper motors and HVAC Equipment wire into. A separate 24 Volt, 40VA Transformer powers the panel and a separate remote Leaving Air Sensor is wired to the panel to provide protection and capacity control of the HVAC Equipment.
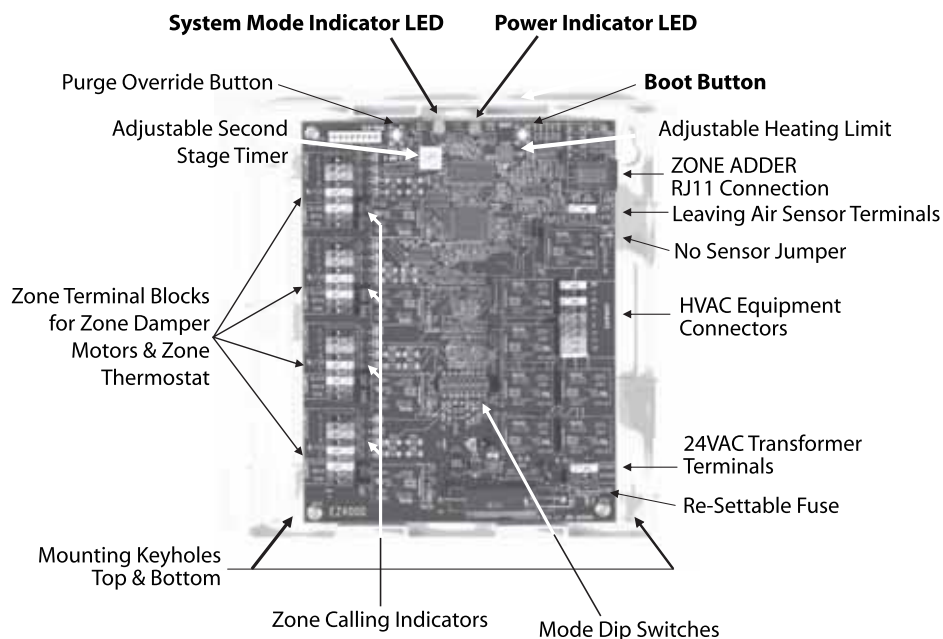
ACE #	PK	UM	DESCRIPTION	
174006	EA	1	**MZS4 MasterZone™ 4-Zone Panel**	
174008	EA	1	**MZSK MasterZone™ System Kit**	**Includes MZS4, ZPS and T24 Transformer**
174014	EA	1	**MZP4 ZoneFirst P-I-P Panel**	**4-Zone For DC Damper Systems**
174015	EA	1	**MZPK ZoneFirst P-I-P 4-Zone Kit**	**Includes ZPS and T24 Transformer**

Specifications:

- **Construction:** ABS plastic
- **Number of Zones:** 2 Expansion
- **Dimensions:** 7-5/8"x 7-1/4" x 1-3/8"
- **Voltage:** 24 Volts AC, 50/60 Hz
- **Temperature Rating:** 0°F to 120°F Operating, -20°F to 140°F Storage
- **Humidity:** 5% to 95% Non-Condensing
- **Connection:** Screwless push-in terminal blocks

Features:

- Two Zone Expansion Panel
- Modular Jacks for Easy Add-On Connection
- Screwless Terminal Blocks
- Individual Zone Indicating Lights
- Indicator LEDs for System Operation

Description:

The MasterZone™ Zone Adder (MZA2) Panel is a 2 zone expansion panel used to add zones onto an MZS4 Zone Control Panel. The MZA requires its own separate 24 Volt AC transformer. The panel also includes a modular jack cord which connects the MZA with the main MZS panel. The MZA is NOT a stand alone zoning panel and is used only as an expansion panel for one or two additional zones when using the MZS4 as the main zoning panel.

The MZA2 operates and wires similarly to the MZS4 except for the HVAC Equipment connections and Leaving Air Sensor.

When either zone thermostat calls, for either Cooling or Heating, the MZA2 panel will take the call and look at the MZS4 status. If there are no other calls, it will open the damper to that zone, if not already open, close the dampers to the zones that are not calling for the same mode and activate the appropriate heating or cooling on the HVAC Unit. If other zones call for the same mode, the MZS panel will allow these calls and open these zone dampers until all zones are satisfied, unless there are calls from other zones for the opposite mode.

System Mode Indicator LED Power Indicator LED

Zone Terminal Blocks for Zone Damper Motors & Zone Thermostat

Boot Button

Re-Settable Fuse

24VAC Transformer Terminals

RJ11 Connections to MZS4 & Additional MZA Panels

Mounting Keyholes Top & Bottom

ACE #	PK	UM	DESCRIPTION
174007	EA	1	MZA2 ZONE ADDER 2-Zones

ZONEFIRST™

Specifications:

- **Construction:** ABS plastic
- **Dimensions:** 7-5/8"x 7-1/4" x 1-3/8"
- **Voltage:** 24 Volts AC, 50/60 Hz
- **Temperature Rating:** 0°F to 120°F Operating, -20°F to 140°F Storage
- **Humidity:** 5% to 95% Non-Condensing
- **Connection:** Screwless push-in terminal blocks
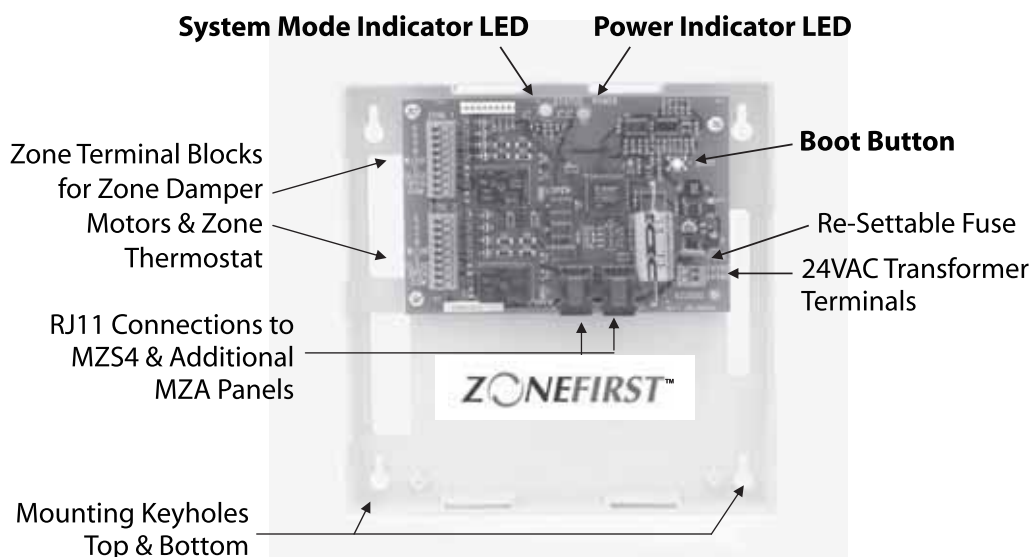
Features:

- Uses Any Standard Single Stage or Heat Pump Thermostat
- Single Stage and Heat Pump Compatible
- Two and Three Zones
- Leaving Air Sensor for Capacity Protection
- Screwless Terminal Blocks
- Adjustable Second Staging Timing
- Intelligent Changeover Timing
- Indicator Lights for System Operation

Description:

The MasterZonel™ Zone Control Heat Pump (MMH) Panel is a 2 and 3 zone control panel that is capable of controlling single stage and heat pump systems. This multi-function board uses any single stage or heat pump thermostat.

The MMH panel is the most cost effective and versatile zone controller on the market today. Using surface mount technology, its compact size is full of features not found in any other zone control panel.

The MMH provides the basic function of zoning by being the central control panel that all zone thermostats, zone damper motors and HVAC Equipment wire into. A separate 24 Volt, 40VA Transformer powers the panel and a separate remote Leaving Air Sensor is wired to the panel to provide protection and capacity control of the HVAC Equipment.

System Mode Indicator LED   Power Indicator LED

Boot Button

Mode DIP Switches

Sensor Adjustable Heating Limit

Zone Terminal Blocks for Zone Damper Motors & Zone Thermostat

Sensor Terminals

No Sensor Jumper

24VAC Transformer Terminals

Re-Settable Fuse

Heat Pump Equipment Terminals

Zone Calling & Damper LED Indicators

Mounting Keyholes Top & Bottom
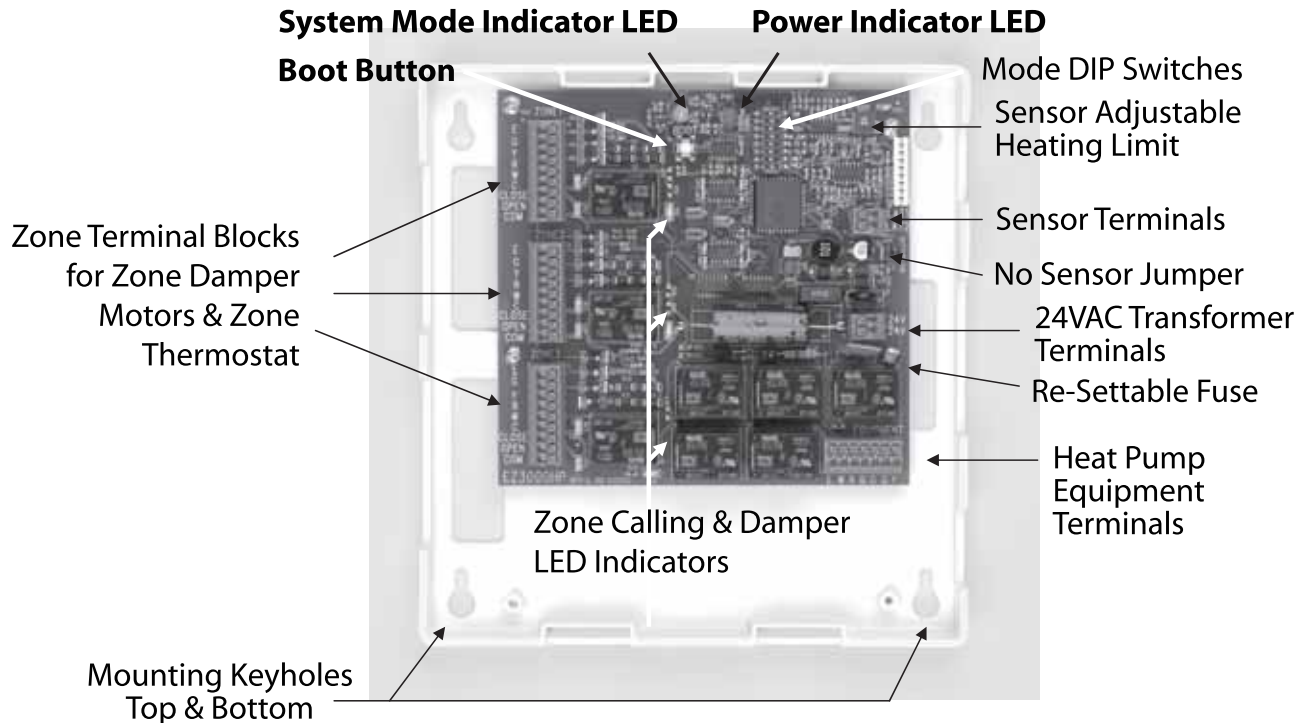
ACE #	PK	UM	DESCRIPTION	
174013	EA	1	MMH3 Mini-MasterZone™ Heat Pump	2 and 3 Zone

ACE SUPPLY CO., INC.

Specifications:

Round Dampers
- **Construction:** 22 Gauge Galvanized Steel
- **Dimensions:** 5", 6", 7", 8", 9", 10",12",14",16",18", 20" Diameters.
- **Temperature Rating:** 0°F to 180°F Operating, -20°F to 140°F Storage
- **Humidity:** 5% to 95% Non-Condensing
- **Static Pressure:** Maximum 0.5" W.C.

Square and Rectangular
- **Construction:** 22 Gauge Zinc Plated Steel Steel
- **Dimensions:** 12"x8", 12"x10", 12"x12", 20"x8", 20"x10", 20"x12"
- **Temperature Rating:** 0°F to 180°F Operating, -20°F to 140°F Storage
- **Humidity:** 5% to 95% Non-Condensing
- **Static Pressure:** Maximum 0.5" W.C.

Description:

The Static Pressure Regulating Dampers, Model SPRD, are barometric relief dampers used to by-pass excess air pressure on zoned systems. The SPRDs automatically respond to the air pressure in duct as the various zone dampers open and close. As zone dampers close off air to a number of zones, the supply air pressure in the duct system will increase. This increase in air pressure can increase the noise level and reduce the flow of conditioned air through the HVAC Unit. Using the SPRD solves this by automatically compensating for the excess air pressure by opening on the increased pressure and relieving the excess air. The SPRD helps maintain a constant air pressure in the duct system. This reduces noise that is caused by high air pressures and velocities, as well as maintains a constant volume of air (CFM) through the duct system. Maintaining a constant volume of air through the HVAC System keeps the efficiency of the system at its maximum.

ACE #	PK	UM	DESCRIPTION	
164505	EA	1	BPD/SPRD 12 x 10 T-A-T Static	Pressure Reg Damper
164506	EA	1	BPD/SPRD 20 x 10 T-A-T Static	Pressure Reg Damper
164800	EA	1	BPD/SPRD 8" RD T-A-T Static	Pressure Reg Damper
164801	EA	1	BPD/SPRD 10" RD T-A-T Static	Pressure Reg Damper

ZONEFIRST™

Specifications:

- **Construction**: 22 Ga. Galvanized Steel
- **Linkage:** Direct Drive
- **Sizes:** 5", 6", 7", 8", 9", 10", 12", 14", 16", 18"
- **Motor Voltage:** 24 Volts AC, 50/60 Hz, 6.5 Watts, 7VA
- **Torque:** 35in-oz to 55in-oz
- **Temperature Rating:** 0°F to 120°F Operating, -20°F to 140°F Storage
- **Humidity:** 5% to 95% Non-Condensing
- **Damper Timing:** Nominal 30 Sec. Powered, 8 Sec. Spring Return
- **Connection:** 4" Wire Leads
- **Duct Pressure:** Maximum 1.0" W.C.

Dimensional Drawing

Diameter

2.5"

7/8"

7/8"

10"

3.25"

2.5"

7/8"

Description:

The RDS series are galvanized steel, single blade dampers complete with a 24 Volt, spring return motor actuator. These dampers are shipped complete and ready for installation. The RDS can be installed in any position in any properly sized duct. All RDS dampers are rated for duct systems less than 1.0" W.C.

All RDS dampers are typically shipped as Normally Open dampers that are powered closed and spring returned opened. The RDS is also unique in that it can be field converted from powered closed to powered open in less than a couple of minutes.

A 24 Volt AC, 50/60 Hz, spring return damper motor, powers the RDS. The motor powers the damper closed and spring returns the damper open for fail-safe operation. Providing power to the damper drives the damper closed. Removing power from the motor allows the motor to spring back to the open position.

The 24 Volt, hysteresis, synchronous motor has been tested to over 250,000 cycles to provide long life. Even replacing the motor is a simple less than one (1) minute change by loosening the setscrew holding the motor onto the damper.

The RDS motor also has a simple adjustment for setting the damper to a minimum position. A minimum position allows for excess by-pass air. To set a minimum position, loosen the setscrew, align the setscrew to the minimum position label and re-tighten.
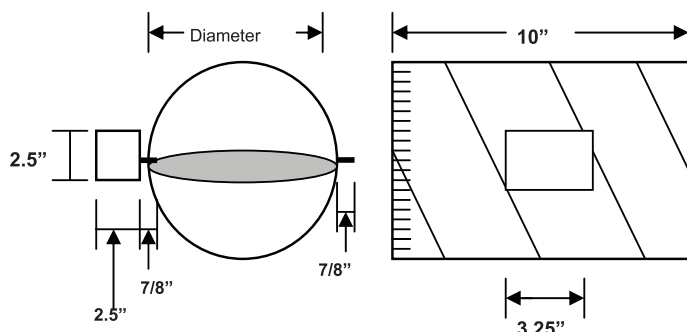
ACE #	PK	UM	DESCRIPTION
164507	EA	1	RDS/ARD 6" T-A-T Round Damper
164508	EA	1	RDS/ARD 8" T-A-T Round Damper
164510	EA	1	RDS/ARD 10" T-A-T Round Damper
164512	EA	1	RDS/ARD 12" T-A-T Round Damper
164514	EA	1	RDS/ARD 14" T-A-T Round Damper

Description:

The NEW Retro-Round Insertable Damper makes it easy to install these dampers into any rigid metal duct work. Just slit a 1" wide opening in the center of the round duct, slide in the RRP and secure with the screws provided. The Retro-Round is available with two different motors. The RRP uses a DC motor and wires using modular plug-in cords. The RRM is a 24VAC version using standard thermostat wire. Both motors have position indicating LEDs.

Model RRP - RetroRound Plug-In Damper uses a low current DC motor and wires using a 25' modular cord, included with each damper as well as a splitter to connect additional RRP dampers to the same zone. The RRP must be controlled by the MMP3, H3P or MZP4 Panels. Up to 10 dampers can be used per zone.

ACE #	PK	UM	DESCRIPTION	
174012	EA	1	RRP06 (6") Retro-Round Z-A-T	Insertable Damper DC Motor

ZONEFIRST™

Specifications:

- **Construction**: Aluminum Mill Finish, Mitre Angles
- **Linkage:** Zinc plated linkage arms, Delran bushings
- **Dimensions:** 8"x8" to 36"x24" in 2" increments, 1/8" undersized.
- **Motor Voltage:** 24 Volts AC, 50/60 Hz, 6.5 Watts, 7VA
- **Torque:** 35 in-oz to 55 in-oz
- **Temperature Rating:** 0°F to 120°F Operating, -20°F to 140°F Storage
- **Humidity:** 5% to 95% Non-Condensing
- **Damper Timing:** Nominal 30 Sec. Powered, 8 Sec. Spring Return
- **Connection:** 4" Wire Leads
- **Duct Pressure:** Maximum 1"W.C.

Description:

The ZD series are extruded aluminum parallel blade dampers complete with a 24 Volt, spring return motor actuator. These dampers are shipped complete and ready for installation. The lightweight ZD can be installed in any position in any properly sized duct. All ZD dampers are rated for duct systems less than 1.0" W.C.

All ZD dampers are typically shipped as Normally Open dampers that are powered closed and spring returned opened.

A 24 Volt AC, 50/60 Hz, spring return damper motor, powers the ZD. The motor powers the damper closed and spring returns the damper open for fail-safe operation. Providing power to the damper drives the damper closed. Removing power from the motor allows the motor to spring back to the open position. The 24 Volt, hysteresis, synchronous motor has been tested to over 250,000 cycles to provide long life. Even replacing the motor is a simple less than one (1) minute change by loosening the setscrew holding the motor onto the damper.

The ZD motor also has a simple adjustment for setting the damper to a minimum position. A minimum position allows for excess by-pass air. To set a minimum position, loosen the setscrew, align the setscrew to the minimum position label and re-tighten.

ACE #	PK	UM	DESCRIPTION	
174100	EA	1	ZD 10 x 10 Zone Damper	
174102	EA	1	ZD 10 x 20 Zone Damper	BOTTOM MOUNT
174108	EA	1	ZD 10 x 08 Zone Damper	
174112	EA	1	ZD 10 x 12 Zone Damper	BOTTOM MOUNT
174114	EA	1	ZD 10 x 14 Zone Damper	BOTTOM MOUNT
174116	EA	1	ZD 10 x 16 Zone Damper	BOTTOM MOUNT
174118	EA	1	ZD 10 x 18 Zone Damper	BOTTOM MOUNT
174120	EA	1	ZD 12 x 10 Zone Damper	
174122	EA	1	ZD 12 x 12 Zone Damper	
174124	EA	1	ZD 12 x 14 Zone Damper	BOTTOM MOUNT
174125	EA	1	ZD 12 x 20 Zone Damper	BOTTOM MOUNT
174126	EA	1	ZD 12 x 16 Zone Damper	BOTTOM MOUNT

ACE SUPPLY CO., INC.

ACE #	PK	UM	DESCRIPTION	
174127	EA	1	ZD 12 x 18 Zone Damper	Bottom Mount
174128	EA	1	ZD 12 x 08 Zone Damper	
174129	EA	1	ZD 10 x 24 Zone Damper	Bottom Mount
174140	EA	1	ZD 14 x 10 Zone Damper	
174142	EA	1	ZD 14 x 12 Zone Damper	
174143	EA	1	ZD 14 x 20 Zone Damper	Bottom Mount
174144	EA	1	ZD 14 x 14 Zone Damper	
174145	EA	1	ZD 14 x 16 Zone Damper	Bottom Mount
174147	EA	1	ZD 18 x 18 Zone Damper	
174148	EA	1	ZD 14 x 08 Zone Damper	
174160	EA	1	ZD 16 x 10 Zone Damper	
174162	EA	1	ZD 16 x 12 Zone Damper	
174164	EA	1	ZD 16 x 14 Zone Damper	
174166	EA	1	ZD 16 x 16 Zone Damper	
174168	EA	1	ZD 16 x 08 Zone Damper	
174180	EA	1	ZD 18 x 10 Zone Damper	
174182	EA	1	ZD 18 x 12 Zone Damper	
174184	EA	1	ZD 18 x 14 Zone Damper	
174186	EA	1	ZD 18 x 16 Zone Damper	
174188	EA	1	ZD 18 x 08 Zone Damper	
174200	EA	1	ZD 20 x 10 Zone Damper	
174202	EA	1	ZD 20 x 12 Zone Damper	
174204	EA	1	ZD 20 x 14 Zone Damper	
174206	EA	1	ZD 20 x 16 Zone Damper	
174208	EA	1	ZD 20 x 08 Zone Damper	
174219	EA	1	ZD 20 x 18 Zone Damper	
174220	EA	1	ZD 20 x 20 Zone Damper	
174222	EA	1	ZD 22 x 12 Zone Damper	
174224	EA	1	ZD 22 x 14 Zone Damper	
174226	EA	1	ZD 22 x 16 Zone Damper	
174228	EA	1	ZD 22 x 08 Zone Damper	
174229	EA	1	ZD 22 x 10 Zone Damper	
174240	EA	1	ZD 24 x 10 Zone Damper	
174242	EA	1	ZD 24 x 12 Zone Damper	
174244	EA	1	ZD 24 x 14 Zone Damper	
174248	EA	1	ZD 24 x 08 Zone Damper	
174810	EA	1	ZD 08 x 10 Zone Damper	Bottom Mount
174812	EA	1	ZD 08 x 12 Zone Damper	Bottom Mount

ACE #	PK	UM	DESCRIPTION	
174814	EA	1	ZD 08 x 14 Zone Damper	Bottom Mount
174816	EA	1	ZD 08 x 16 Zone Damper	Bottom Mount
174818	EA	1	ZD 08 x 18 Zone Damper	Bottom Mount
174820	EA	1	ZD 08 x 20 Zone Damper	Bottom Mount
174822	EA	1	ZD 08 x 22 Zone Damper	Bottom Mount
174824	EA	1	ZD 08 x 24 Zone Damper	Bottom Mount
174888	EA	1	ZD 08 x 08 Zone Damper	
174890	EA	1	ZDSP 20 x 14 *DC* Zone Damper	

ZONEFIRST™

OBS/AOBD
Automatic Opposed Blade Dampers

NOTE: The following products are _non-stocked_ items, available on demand only!

ACE #	PK	UM	DESCRIPTION	
164108	EA	1	OBS/AOBD 10 x 08 Trol-A-Temp	Damper
164180	EA	1	OBS/AOBD 18 x 10 Trol-A-Temp	Damper
164204	EA	1	OBS/AOBD 20 x 14 T-A-T	Damper
164208	EA	1	OBS/AOBD 20 x 08 Trol-A-Temp	Damper

Specifications:

- **Application:** Zoning
- **Network Zoning:** Yes
- **Heat Pump Compatible:** Yes
- **Input Ratings:** Voltage: 20-30 Vac, 50/60 Hz. Power: 11 VA nominal.
- **Output Ratings:**1.5A run, 200,000 cycles (30 Vac) 3.5A inrush. 1.5A run, 100,000 cycles (30 Vac) 7.5A inrush.
- **Humidity Ratings:** 90 percent RH at 95°F, non-condensing.
- **Temperature Ratings:** Shipping: -20 to 120°F. Operating: -40 to 150°F.
- **LED System:** SYSTEM mode LEDs (5) used to communicate equipment status: Red Heat: Heat mode. Green Cool: Cool mode. Yellow Purge:Purge mode. Green Fan: Fan mode. Red Em Heat: Emergency Heat mode. ZONE LEDs (3) used to communicate damper status: Green:Dampers are open or opening. No Color: Dampers are closed or closing. COM LED (1) used to indicate communication status: Green: Panel is transmitting or has received data. No color: Communications are idle.
- **Dimensions:** 12-3/4 in. W x 10-3/4 in. H x 1-7/8 in.
- **Finish:** W8835: Taupe cover, olive-gray base.
- **Mounting:** Mounts with four screws (provided) through holes in cabinet back (wall anchors provided). Wiring: Eighteen-gauge wire for all equipment and system connections.
- **Wiring Connections:** EnviraCom™: Four terminal strips (each with three terminals labeled 1, 2, 3).Dampers: Three terminal strips labeled M6 (Closed), M4 (Open), M1 (Common). Transformer 1: R (hot), C (Common). Transformer 2: T1 (hot), T2 (Common). Equipment: Rc, Rh, W1/E, W2, W3/Aux, Y1, Y2, G, O/B. Humidifier: HUM, HUM. Dehumidifier: DHUM, DHUM. Ventilator: VENT, VENT. Heat Pump Fault Indicator: L, C.

Description:

The W8835A1004 EnviraZone Panel controls single-stage, multistage, conventional or heat pump heat/cool equipment. It controls three zones, and is expandable up to nine zones with two additional W8703A Damper Interface Modules (DIM). This utilizes an advanced zoning control system using the EnviraCom™ communications protocol, the most advanced and easiest to install zoning system in the industry. New control algorithm reduces and regulates plant cycles, decreases damper cycles, and increases efficiency.

Specifications Continued:

- **Thermostats:** VisionPRO® IAQ TH9421 Thermostat controls single- or multi-stage conventional and heat pump equipment.
- **Stages:** 3 Heat/2 Cool
- **Auto Changeover:** Yes
- **Compatible with Supply Air Sensor:** Yes
- **Resettable Fuse:** Yes
- **Individual Zone Fan Control:** Yes
- **Accessories:** For required accessories, Optional accessories include the W8735 Telephone Access Module for telephone dial-in and dial-out capability, W8703 Damper Interface Module to control additional zones, and the W8735A Serial Adapter Module for computer interface.
- **Tradeline Value:** Tradeline

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Raising the Standards for Healthier Indoor Environments

The American Lung Association and its
Health House program do not endorse products.

ACE #	PK	UM	DESCRIPTION	
154432	EA	1	**W8835A1004 EnviraZone System**	**3H/2C**

Features:

- Creates a networked zoning system when combined with three T8635L Microelectronic Communicating Programmable Thermostats.
- Expandable to nine zones with additional W8703 Damper Interface Modules and Thermostats.
- Compatible with conventional gas, oil, electric or heat pump systems up to 3H/2C.
- Unsurpassed ease-of-wiring with only three wires to connect between devices.
- True communicating system using standard thermostat wire.
- Networked zoning enables these features: Time synchronization.
- Shared-filter indication. Outdoor temperature display in all zones with only one C7089B Outdoor Temperature Sensor connected.
- Vacation Hold in all zones.
- Selectable high and low equipment protection settings.
- Adjustable stage timing.
- Adjustable purge timing and damper positions.
- Expandable up to nine zones with W8703 Damper Interface Module.
- Single network can use up to nine T8635L Thermostats and two W8703 Damper Interface Modules to control nine zones.
- Telephone access when used with optional W8735B Telephone Access Modules.
- Uses Zone of Greatest Demand Intelligence.
- Allows use of EnviraCom™ furnace board or traditional furnace boards.
- Optional use of two transformers for power when many dampers are needed.

Specifications:

- **Application:** Zoning
- **Network Zoning:** Yes
- **Zone Availability:** Available for two or three zones
- **Number of Zones:**
— **(Y8835A1044):** 2-Zone Kit with 2 VisionPRO IAQ
— **(Y8835A1028):** 3-Zone Kit with 3 VisionPRO IAQ
— **(Y8835A1051):** 3-Zone Kit with 1 VisionPRO IAQ and 2 FocusPRO communicating thermostats
— **(Y8835A1036):** 2-Zone Kit with 1 VisionPRO and 1 FocusPRO communicating thermostats
- **Heat Pump Compatible:** Yes
- **Stages:** 3 Heat/2 Cool
- **Auto Changeover:** Yes
- **Voltage:** 24 Vac
- **Discharge Air Temperature Compatible:** Yes
- **Compatible with Supply Air Sensor:** Yes
- **Resettable Fuse:** Yes
- **Individual Zone Fan Control:** Yes
- **LEDs:** Yes
- **Includes:**
— **(Y8835A1044):** C7835A1009 (1), AT140A (1), C7089U (1) and 50022037 (1)
— **(Y8835A1028):** C7835A1009 (1), AT140A (1), C7089U (1) and 50022037 (1)
— **(Y8835A1051):** C7835A1009 (1), AT140A (1), C7089U (1) and 50022037 (1)
— **(Y8835A1036):** C7835A1009 (1), AT140A (1), C7089U (1) and 50022037 (1)
- **Tradeline Value:** Tradeline

Description:

The Y8835A Series, Networked Zoning System Kits contain individual components that are required for installing your complete zoning system: equipment module, damper module, plate-mounted transformer and zone thermostats.

ACE #	PK	UM	DESCRIPTION	
164087	EA	1	Y8835A1002 EnviraZone™ System Kit	**With 2 T8635L**
164088	EA	1	Y8835A1010 EnviraZone™ System Kit	**With 3 T8635L**
164089	EA	1	**Y8835A1044 2- Zone VisionPRO**	**Saver Kit EnviraZone™**
164090	EA	1	**Y8835A1028 3- Zone VisionPRO**	**Saver Kit EnviraZone™**
164091	EA	1	**Y8835A1036 2- Zone EnviraZone™**	**1-IAQ 1-FocusPRO System Saver**
164092	EA	1	**Y8835A1051 3- Zone EnviraZone™**	**1-IAQ 2-FocusPRO System Saver**

* Models Y8835A1002 and Y8835A1010 available only while supplies last.*

Specifications:

- **Application:** Zoning
- **Network Zoning:** No
- **Number of Zones:** 3 Zone
- **Heat Pump Compatible:** No
- **Stages:** 1 Heat/1 Cool
- **Auto Changeover:** Yes
- **Voltage:** 24 Vac
- **Discharge Air Temperature Compatible:** Yes
- **Emergency Heat Switch:** No
- **Resettable Fuse:** Yes
- **Individual Zone Fan Control:** Yes
- **LEDs:** Yes

Description:

The TrueZONE™ HZ311 Panel is used for conventional, single stage applications up to 3 zones (1H/1C). It helps eliminate callbacks by ensuring that a system is operating properly before leaving a jobsite. It all adds up to true comfort for customers and true profit to the bottom line.

Features:

- For conventional, single stage applications up to 3 zones (1H/1C).
- Universal Application
- Robust Push Terminals
- Common-Sense LEDs
- Clean, Professional Installation
- Smaller Footprint
- Variable-Speed Fan Control
- HZ311K System Saver Kit is the one-box solution kit that contains the HZ311 Panel, C7735A Discharge Air Temperature Sensor, and AT140 Transformer.

HZ311

HZ311K

5–YEAR WARRANTY

ACE #	PK	UM	DESCRIPTION	
164016	EA	1	HZ311 TrueZONE™ 3-Zone Panel	1H / 1C
164026	EA	1	HZ311K 3-Zone Panel System Kit	Kit Includes C7735A Sensor & AT140 Transformer

Honeywell

NEW!

HZ322 / HZ322K
TrueZONE™ Zoning Panels (3-Zone)

Specifications:

- **Application:** Zoning
- **Network Zoning:** No
- **Number of Zones:** 3 Zone
- **Heat Pump Compatible:** Yes
- **Stages:** 2 Heat/2 Cool
- **Auto Changeover:** Yes
- **Voltage:** 24 Vac
- **Compatible with Supply Air Sensor:** Yes
- **Emergency Heat Switch:** Yes
- **Resettable Fuse:** Yes
- **Individual Zone Fan Control:** Yes
- **LEDs:** Yes

Description:

The TrueZONE™ HZ322 Panel is used for conventional, heat pump applications up to 3 zones (2H/2C). It helps eliminate callbacks by ensuring that a system is operating properly before leaving a jobsite. It all adds up to true comfort for customers and true profit to the bottom line.

Features:

- For conventional, heat pump applications up to 3 zones (2H/2C).
- Intuitive Installer setup
- Easy-to-follow, digital display uses real language to guide installer through four easy steps.
- Universal Application
- Standard Checkout Procedure
- Robust Push Terminals
- Common-Sense LEDs
- Clean, Professional Installation
- Smaller Footprint
- Variable-Speed Fan Control
- Discharge Air Temperature Sensing
- HZ322K System Saver Kit is the one-box solution kit that contains the HZ322 Panel, C7735A Discharge Air Temperature Sensor, and AT140
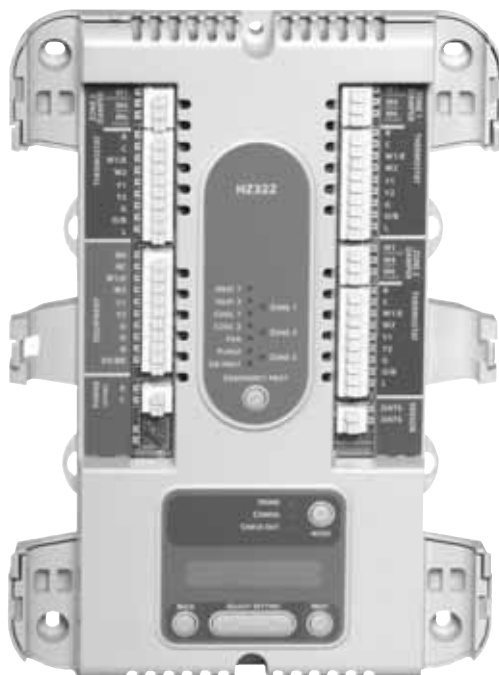

5–YEAR
WARRANTY

HZ322

HZ322K

ACE #	PK	UM	DESCRIPTION	
164021	EA	1	**HZ322 TrueZONE™ 3-Zone Panel**	**2H / 2C**
164031	EA	1	**HZ322K 3-Zone Panel System Kit**	**Kit Includes C7735A Sensor & AT140 Transformer**

ACE SUPPLY CO., INC.

Specifications:

- **Application:** Zoning
- **Network Zoning:** No
- **Number of Zones:** 4 Zone, Expandable
- **Heat Pump Compatible:** Yes
- **Stages:** 3 Heat/2 Cool
- **Auto Changeover:** Yes
- **Voltage:** 24 Vac
- **Discharge Air Temperature Compatible:** Yes
- **Compatible with Supply Air Sensor:** Yes
- **Emergency Heat Switch:** Yes
- **Resettable Fuse:** Yes
- **Individual Zone Fan Control:** Yes
- **LEDs:** Yes
- **Tradeline Value:** Tradeline

Description:

The TrueZONE™ HZ432 Panel is used for conventional, heat pump or dual fuel applications, expandable up to 32 zones (3H/2C). It helps eliminate callbacks by ensuring that a system is operating properly before leaving a jobsite. It all adds up to true comfort for customers and true profit to the bottom line.

Features:

- For conventional, heat pump or dual fuel applications, expandable up to 32 zones (3H/2C).
- Intuitive Installer setup
- Easy-to-follow, digital display uses real language to guide installer through four easy steps.
- Universal Application
- Standard Checkout Procedure
- Robust Push Terminals
- Common-Sense LEDs
- Clean, Professional Installation
- Smaller Footprint
- Variable-Speed Fan Control
- Discharge Air Temperature Sensing
- Advanced Dual-Fuel Operation
- HZ432K System Saver Kit is the one-box solution kit that contains the HZ432 Panel, C7735A Discharge Air Temperature Sensor, and AT140 Transformer.
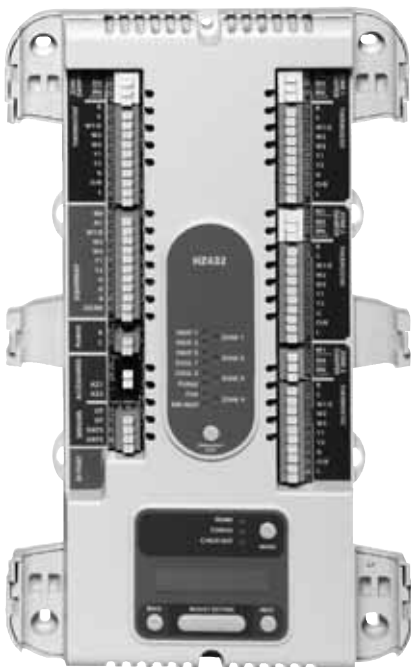
HZ432

HZ432K

5-YEAR WARRANTY

ACE #	PK	UM	DESCRIPTION	
164302	EA	1	**HZ432 TrueZONE™ 4-Zone Panel**	3H / 2C
164303	EA	1	**HZ432K 4-Zone Panel System Kit**	Kit Includes C7735A Sensor & AT140 Transformer

Honeywell

Specifications:

- **Application:** Zoning
- **Network Zoning:** No
- **(EMM-3K)Kit:** Available for three zones
- **Number of Zones (EMM-3):** 3 Zone
- **Heat Pump Compatible:** No
- **Stages:** 1 Heat/1 Cool
- **Auto Changeover:** Yes
- **Voltage:** 24 Vac
- **Discharge Air Temperature Compatible:** Yes
- **Emergency Heat Switch:** No
- **Resettable Fuse:** Yes
- **Individual Zone Fan Control:** Yes
- **LEDs:** Yes
- **(EMM-3K) Kit:** Kit Includes C7735A Discharge Air Temperature Sensor and a AT140A Transformer

Description:

The EMM-3 Electronic MiniZone**™** Panel controls single-stage heating and cooling equipment and is used on two-and three-zone applications. The EMM-3K includes the C7735A Discharge Air Temperature Sensor and an AT140A Transformer.

Features:

- Uses any Honeywell four-wire thermostat.
- Optional C7735 (EMM-3K) Discharge Air Temperature Sensor
- Sensor for capacity control.
- SYSTEM and ZONE damper status LEDs indicate system status.
- Automatic zone changeover with 20-minute changeover timer.
- Individual zone fan control.
- Thermal circuit breaker protects panel and transformer from damage if miswired.
- Purge timer protects equipment between calls for heating and cooling.
- Uses spring-open/power-closed, spring-closed power- open, and power-open/power-closed dampers.
- Interfaces with single or dual transformer equipment.

EMM-3

EMM-3K

ACE #	PK	UM	DESCRIPTION	
164015	EA	6	**EMM-3 HW Econ CTR Mini Panel**	
164025	EA	1	**EMM-3K System Saver Kit**	**EMM-3, C7735A, AT140D**

Honeywell

EMM-3U / 3UK

Universal Electronic MiniZone™ Panel (EMM-3U)
Universal Electronic MiniZone™ Panel Kit (EMM-3UK)

Specifications:

- **Application:** Zoning
- **Network Zoning:** No
- **(EMM-3UK)Kit:** Available for three zones
- **Number of Zones:** 3 Zone
- **Heat Pump Compatible:** Yes
- **Stages:** 2 Heat/2 Cool
- **Auto Changeover:** Yes
- **Voltage:** 24 Vac
- **Discharge Air Temperature Compatible:** Yes
- **Compatible with Supply Air Sensor:** Yes
- **Emergency Heat Switch:** Yes
- **Resettable Fuse:** Yes
- **Individual Zone Fan Control:** Yes
- **LEDs:** Yes
- **(EMM-3UK) Kit:** Kit Includes C7735A Discharge Air Temperature Sensor and a AT140A Transformer

Description:

The EMM-3U Universal Electronic MiniZone™ Panel controls single-stage, multi-stage, conventional or heat pump heat/cool equipment and is used on two–zone and three-zone applications. The EMM-3UK includes the C7735A Discharge Air Temperature Sensor for capacity control.

Features:

- Compatible with single-stage, multi-stage, conventional or heat pump applications.
- Uses virtually any Honeywell four-wire, single-stage, multi-stage, or heat pump thermostat.
- (EMM-3UK) Optional Discharge Air Temperature Sensor for capacity control with adjustable high and low limits.
- System and Zone LEDs indicate system status.
- Automatic zone changeover with 20-minute changeover timer.
- Individual zone fan control.
- Thermal circuit breaker protects panel and transformer from damage if miswired.
- Purge timer protects equipment between calls for heating and cooling.
- Uses spring-open/power-closed, spring-closed/ power-open, and power-open/power-closed dampers.
- Single or dual transformer equipment compatible.

EMM-3U
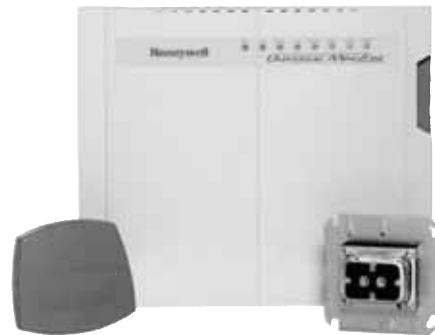
EMM-3UK

ACE #	PK	UM	DESCRIPTION	
164020	EA	1	**EMM-3U HW Universal Mini Panel**	2H / 2C
164030	EA	1	**EMM-3UK HW System Saver Kit**	EMM-3, C7735A, AT140D

Specifications:

- **Application:** Zoning
- **Network Zoning:** No
- **Number of Zones:** 4 Zone, Expandable
- **Heat Pump Compatible:** Yes
- **Stages:** 2 Heat/2 Cool
- **Auto Changeover:** Yes
- **Voltage:** 24 Vac
- **Compatible with Supply Air Sensor:** Yes
- **Emergency Heat Switch:** Yes
- **Resettable Fuse:** Yes
- **Individual Zone Fan Control:** Yes
- **LEDs:** Yes
- **Tradeline Value:** Tradeline

Description:

The TZ-4 TotalZone® Zone Control Panel controls single-stage, multi-stage, conventional or heat pump heat/cool equipment. It controls 2, 3 or 4 zones, and is expandable up to 32 zones with optional TotalZone® Add-A-Zone® Four Zone Control Panel.

Features:

- Patented dual-fuel logic for add-on heat pump applications.
- Compatible with multi-stage and heat pump thermostats.
- Expandable using TotalZone® Add-A-Zone® Panels. Controls up to 28 zones.
- Uses any Honeywell four-wire thermostat to control any equipment including VisionPRO or FocusPRO.
- Controls additional stages of heating and cooling based on: Time, adjustable from 5 to 60 minutes, or percent of zones calling.
- Multi-stage or heat pump thermostats.
- Built-in Emergency Heat switch eliminates need for expensive heat pump thermostat on each zone. Zone-A-Lone® allows zone 1 thermostat to set back all zones during unoccupied periods.
- When opposite calls exist, TZ panel services mode calling first and either satisfies call within 20 minutes or drops it and switches over to opposite mode to satisfy that demand. When all calls are satisfied, TZ panel allows fan operation from any zone through Fan switch on each thermostat.
- Setting Fan switch to On from any thermostat turns on fan and closes damper to zones with Fan switches set to Auto.
- Additional features:
- Resettable circuit breaker protects panel.
- Visible LED indicators communicate operation.
- Adjustable stage control timer.
- Adjustable heating and cooling temperature limits for optional C7735A1000 Discharge Air Temperature Sensor (included).
- Adjustable purge timings. Option two transformers for power when many dampers are needed.
- Direct replacement for TZ-3.

ACE #	PK	UM	DESCRIPTION
164300	EA	1	**TZ-4 TotalZone® 4- Zone Panel**

Specifications:

- **Application:** Zoning, Add-A-Zone® panel (4-zone)
- **Network Zoning:** No
- **Number of Zones:** 4 Zone
- **Heat Pump Compatible:** Yes
- **Stages:** 3 Heat/2 Cool
- **Auto Changeover:** Yes
- **Voltage:** 24 Vac
- **Emergency Heat Switch:** No
- **Resettable Fuse:** Yes
- **Individual Zone Fan Control:** Yes
- **LEDs:** Yes
- **Tradeline Value:** Tradeline

Description:

The TAZ-4 is a zone panel used to add zones to the TZ-4. The TZ-4 provides up to four zones. Each TAZ-4 can add up to four additional zones for a total of 32 zones. The TAZ-4 is also compatible with the TZ-3 zone control panel and with the TAZ-1, TAZ-2 and TAZ-3 Add-A-Zone® panels.

Features:

- Used with TZ-4 Control Panel to expand number of zones.
- Uses multiple TAZ-4 Control Panels to control up to 32 zones.

ACE #	PK	UM	DESCRIPTION	
164301	EA	1	TAZ-4 TotalZone® Add-A-Zone®	Panel

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Air Cleaners/Purifiers (Honeywell)   Pgs: 5-9

ACE #	PK	UM	DESCRIPTION	QTY
154916	EA	4	F300E 1019 HW 16" x 25" Electronic	
154919	EA	4	F300E 1035 HW 20" x 25" Electronic	
154921	EA	1	F300E 1001 HW 16" x 20" Electronic	
154922	EA	1	F200E 1003 HW 16" x 20" Media AC	
154926	EA	1	F200E 1029 HW 16" x 25" Media AC	
154927	EA	1	F200E 1011 HW 20" x 20" Media AC	
154930	EA	1	F200E 1037 HW 20" x 25" Media AC	
154966	EA	1	F100F 1012 HW 16" x 25" Media AC	
154970	EA	1	F100F 1038 HW 20" x 25" Media AC	
154500	EA	1	F500A 1000 Enviracaire HEPA	
154800	EA	6	UV100E 1043 HW Lamp- Single Bulb	
154818	EA	6	UV100E 2009 HW Lamp- Dual Bulb	
154826	EA	6	UV100E 3007 HW Coil Irradiation	

Air Cleaners/Purifiers (Aprilaire)   Pgs: 10-12

ACE #	PK	UM	DESCRIPTION	QTY
156500	EA	16	5000 Aprilaire Electronic Air Cleaner	
156220	EA	24	2200 Aprilaire Air Cleaner	
156240	EA	16	2400 Aprilaire Air Cleaner	
156225	EA	12	2250 Aprilaire Grille Mount Air Cleaner (Not Shown)	
156227	EA	1	2275 Aprilaire Portable Air Cleaner (Not Shown)	
156260	EA	1	2600 Aprilaire Commercial Air Cleaner	

Air Cleaners/Purifiers (BreatheClean)   Pg: 13

ACE #	PK	UM	DESCRIPTION	QTY
150705	EA	1	BreatheCLEAN—New Dual Lamp	

Air Cleaners/Purifiers (Continental Fan)   Pgs: 14,15

ACE #	PK	UM	DESCRIPTION	QTY
910330	EA	1	CX1000 Portable Air Purifier	
910340	EA	1	CX3000 Duct-Mounted Air Purifier	

Air Cleaners/Purifiers (Accessories)   Pgs: 16-20

ACE #	PK	UM	DESCRIPTION	QTY
154940	EA	12	16" x 20" Pop-up Filter	
154941	EA	12	16" x 25" Pop-up Filter	
154942	EA	12	20" x 25" Pop-up Filter	
154943	EA	12	(2200) Pop-up Filter	
154911	PK	10	50000293-001 16" x 10" Post Filter	
154912	PK	10	50000293-002 16" x 12.5" Post Filter	
154913	PK	10	50000293-003 20" x 10" Post Filter	
154914	PK	10	50000293-004 20" x 12.5" Post Filter	
154946	EA	5	FC200E 1029 16" x 25" Replacement Filter	
154947	EA	5	FC200E 1003 16" x 20" Replacement Filter	
154948	EA	5	FC200E 1011 20" x 20" Replacement Filter	
154949	EA	5	FC200E 1037 20" x 25" Replacement Filter	
154956	EA	5	FC100A 1029 16" x 25" * Replacement Filter	
154957	PK	1	FC100A 1029 16" x 25" Custom-2-Pack	
154960	EA	5	FC100A 1037 20" x 25" * Replacement Filter	
154961	EA	5	FC100A 1003 16" x 20" Replacement Filter	
154962	EA	5	FC100A 1011 20" x 20" Replacement Filter	
154963	PK	1	FC100A 1037 20" x 25" Custom-2-Pack	
154964	EA	5	FC100A 1052 20" x 12.5" Replacement Filter	
156201	EA	240	201 Aprilaire Replacement Media	
156261	EA	10	261 Aprilaire Replacement Media	
156275	EA	10	275 Aprilaire Replacement Media	
156401	EA	10	401 Aprilaire Replacement Media	

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Air Cleaners/Purifiers (Accessories)			**Pgs: 16-20**	
ACE #	PK	UM	DESCRIPTION	QTY
156501	EA	10	501 Aprilaire Replacement Media	
154805	EA	1	UC100E1006 HW Single Replacement Bulb	
154814	EA	1	UC100A1054 HW Replacement Bulb	
154821	EA	1	UC100E1022 HW Replacement Bulb	
150790	PK	1	Replacement Bulbs	
910332	EA	1	2-Year Replacement Kit For CX1000RFL	
910334	EA	1	Replacement Filter Set	
910335	EA	1	Replacement UV Lamp	

Humidifiers/Dehumidifiers (Aprilaire)			**Pgs: 23-26**	
ACE #	PK	UM	DESCRIPTION	QTY
158350	EA	1	350 Aprilaire Self-Contained	
158360	EA	1	360 Aprilaire Self-Contained	
158400	EA	16	400 Aprilaire Humidifier (Drainless) (While Supplies Last)	
158401	EA	16	400A Aprilaire Humidifier (Drainless) (Includes Auto-Digital Control)	
158600	EA	24	600 Aprilaire Humidifier (While Supplies Last)	
158601	EA	24	600A Aprilaire Humidifier (Includes Auto-Digital Control)	
158602	EA	24	600M Aprilaire Humidifier (Includes Manual Control)	
158500	EA	27	500 Aprilaire Humidifier (While Supplies Last)	
158501	EA	27	500A Aprilaire Humidifier (Includes Auto-Digital Control)	
158502	EA	27	500M Aprilaire Humidifier (Includes Manual Control)	
158766	EA	1	700 Aprilaire Power Humidifier (While Supplies Last)	
158701	EA	1	700A Aprilaire Power Humidifier (Includes Auto-Digital Control)	

			700M Aprilaire Power Humidifier (Includes Manual Control)	
158702	EA	1	700M Aprilaire Power Humidifier (Includes Manual Control)	
158170	EA	1	1700 Aprilaire Dehumidifier	

Humidifiers/Dehumidifiers (Honeywell)			**Pgs: 27-31**	
ACE #	PK	UM	DESCRIPTION	QTY
153225	EA	1	HE225A1006 HW Humidifier	
153226	EA	1	HE225B1004 HW Humidifier-Auto	
153227	EA	1	HE225DG115 HW Humidifier-Auto	
153265	EA	1	HE265A1007 HW Humidifier	
153266	EA	1	HE265B1005 HW Humidifier-Auto	
153267	EA	1	HE265DG115 HW Humidifier-Auto	
153360	EA	1	HE365A1006 HW Power Flow	
153361	EA	1	HE365B1004 HW Power Flow-Auto	
153367	EA	1	HE365DG115 HW Power Flow–Digital Auto	
153513	EA	1	HM512VPIAQ TruSTEAM Humidifier	
153512	EA	1	HM512DG115 TruSTEAM Humidifier	
153511	EA	1	HM509VPIAQ TruSTEAM Humidifier	
153510	EA	1	HM509DG115 TruSTEAM Humidifier	
153509	EA	1	HM509H8908 TruSTEAM Humidifier	
153508	EA	1	HM506VPIAQ TruSTEAM Humidifier	
153507	EA	1	HM506DG115 TruSTEAM Humidifier	
153506	EA	1	HM506H8908 TruSTEAM Humidifier	

Humidifiers/Dehumidifiers (Accessories)			**Pgs: 32-38**	
ACE #	PK	UM	DESCRIPTION	QTY
160057	EA	1	Aprilaire 58RP Controller	
158070	EA	1	70RP Dehumidifier Control	
160100	EA	240	#10 Aprilaire Water Panel	
160120	EA	240	#12 Aprilaire Water Panel	
160300	EA	1	#30 Aprilaire Water Panel	
160350	EA	240	#35 Aprilaire Water Panel	
160450	PK	5	#45 Aprilaire Water Panel-2PK	
160655	EA	1	4655 Manual Humidifier Control	
153008	EA	12	H1008A1008 Auto Humid Control	

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ACE #	UM	PK	DESCRIPTION	QTY
153009	EA	1	H1008D1002 Auto Humid Control	
153022	EA	120	HC22A1007 Media Panel	
153026	EA	120	HC26A1008 Media Panel	
153122	EA	60	HC22E1003H/Shield Media	
153126	EA	60	HC26E1004H/Shield Media	
153520	EA	1	50024917-001 10' Remote Mount Kit	
153521	EA	1	50024917-002 20' Remote Mount Kit	
	EA	1	50028004-001 Cover	
	EA	1	50028003-001 Duct Injection Nozzle For Humidifier	
	EA	1	50028001-001 Remote Humidifier Nozzle	
	EA	1	50028002-001 Remote Duct Nozzle	
	EA	1	50020012-001 Mounting Bracket	
	EA	1	50027997-001 Solenoid Valve	
	EA	1	50028044-001 In-line Water Filter	
	EA	1	50024895-001 Sediment Screen For Tank	
	EA	1	50020017-001 HM512 / MN509 Water Tank	
	EA	1	50025892-001 HM506 Water Tank	
	EA	1	50027998-001 Water Level Sensor Assembly	
	EA	1	50022641-001 Wire Harness	
	EA	1	50024921-001 Latch	
	EA	1	32001616-001 Saddle Valve	
153531	EA	1	H8908ASPST Manual Humidistat	
153008	EA	1	H1008A HumidiCalc™ Automatic Humidity Controller	
153009	EA	1	H1008D HumidiCalc™ Automatic Humidity Controller	
153530	EA	1	DG115EZIAQ TrueIAQ Digital Control	

ACE #	UM	PK	DESCRIPTION	QTY
147005	EA	1	QTXE050 Broan Energy Star Fan	
147008	EA	1	QTXE080 Broan Energy Star Fan	
147011	EA	1	QTXE110 Broan Energy Star Fan	
147018	EA	1	QTR080 Broan Fan	
147021	EA	1	QTR110 Broan Fan	
147019	EA	1	QTR080L Broan Fan With Light	
147022	EA	1	QTR110L Broan Fan With Light	
147023	EA	1	QTX110HLL Broan Heat/Light Fan	
147590	EA	1	HRV90HS Broan Heat Rec/Vent	
147592	EA	1	HRV90HT Broan Heat Rec/Vent	
147607	EA	1	ERV90HCS Broan Heat Rec/Vent	
147608	EA	1	ERV90HCT Broan Heat Rec/Vent	
147601	EA	1	HRV100H Broan Heat Rec/Vent	
147602	EA	1	HRV200H Broan Heat Rec/Vent	
147610	EA	1	ERV100HC Broan Energy Rec/Vent	
147611	EA	1	ERV200HC Broan Energy Rec/Vent	
147625	EA	1	GSHH3K HEPA Filter / HRV Kit	
147626	EA	1	GSVH1K HEPA Filter / Fresh Air Kit	
147627	EA	1	GSFH1K HEPA Filtration System	
147629	EA	1	GSEH3K HEPA Filter / ERV Kit	

Fans/Ventilation (Summeraire)				Pgs: 57-63
ACE #	PK	UM	DESCRIPTION	QTY
999115	EA	1	SHRV115RD Summeraire HRV Unit	
999130	EA	9	SHRV130RD Summeraire HRV Unit	
999190	EA	6	SHRV190RD Summeraire HRV Unit	
999405	EA	1	SHRV40SD Summeraire HRV Unit	
999440	EA	1	SHRV240SD Summeraire HRV Unit	
999425	EA	1	SHRV120ED Summeraire Proventer	
999485	EA	1	SHRV180ED Summeraire Proventer	

Fans/Ventilation (Broan)				Pgs: 41-56
ACE #	PK	UM	DESCRIPTION	QTY
147005	EA	1	QTXE050 Broan Energy Star Fan	

Fans/Ventilation (Aprilaire)				Pg: 64
ACE #	PK	UM	DESCRIPTION	QTY
156810	EA	6	8100 Aprilaire Air Exchanger	

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Fans/Ventilation (Honeywell)			Pg: 65	
ACE #	PK	UM	DESCRIPTION	QTY
164070	EA	1	Y8150A1009 Fresh Air Vent System	

Thermostats/Controllers (Honeywell)			Pgs: 69-80	
ACE #	PK	UM	DESCRIPTION	QTY
152027	EA	12	TH9421C1004 EnviraZone IAQ	
152025	EA	6	YTH9421C1002 VisionPRO® IAQ	
152020	EA	12	TH8110U1003 HW VisionPRO® 1H/1C	
152022	EA	12	TH8320U1008 HW VisionPRO® 3H/2C	
152023	EA	12	TH8321U1006 HW VisionPRO® Humid	
154420	EA	12	T8635L1013 HW Communicating Stat	
154425	EA	4	W8635A1006 EnviraCom Equip Mod	
154430	EA	4	W8703A1003 EnviraCom Zone Mod	
154436	EA	1	W8735D1009 T-Phone 2 Channel	
164065	EA	12	T8665A1002 HW (W) RF Chrono	
164066	EA	1	W8665E 1000 RF Receiver Module	

Zoning (ZoneFirst)			Pgs: 83-92	
ACE #	PK	UM	DESCRIPTION	QTY
174011	EA	1	MMP3 Mini– MasterZone™ Panel	
174003	EA	1	MMZ3 Mini– MasterZone™ Panel	
174004	EA	1	MMZK Mini– MasterZone™ System Kit	
174006	EA	1	MZS4 MasterZone™ 4-Zone Panel	
174008	EA	1	MZSK MasterZone™ System Kit	
174014	EA	1	MZP4 ZoneFirst P-I-P Panel	
174015	EA	1	MZPK ZoneFirst P-I-P 4-Zone Kit	
174007	EA	1	MZA2 ZONE ADDER 2-Zones	
174013	EA	1	MMH3 Mini-MasterZone™ Heat Pump	
164505	EA	1	BPD/SPRD 12 x 10 T-A-T Static	
164506	EA	1	BPD/SPRD 20 x 10 T-A-T Static	
164800	EA	1	BPD/SPRD 8" RD T-A-T Static	
164801	EA	1	BPD/SPRD 10" RD T-A-T Static	
164507	EA	1	RDS/ARD 6" T-A-T Round Damper	
164508	EA	1	RDS/ARD 8" T-A-T Round Damper	

ACE #	UM		DESCRIPTION	QTY
164510	EA	1	RDS/ARD 10" T-A-T Round Damper	
164512	EA	1	RDS/ARD 12" T-A-T Round Damper	
164514	EA	1	RDS/ARD 14" T-A-T Round Damper	
174012	EA	1	RRP06 (6") Retro-Round Z-A-T	
174100	EA	1	ZD 10 x 10 Zone Damper	
174102	EA	1	ZD 10 x 20 Zone Damper	
174108	EA	1	ZD 10 x 08 Zone Damper	
174112	EA	1	ZD 10 x 12 Zone Damper	
174114	EA	1	ZD 10 x 14 Zone Damper	
174116	EA	1	ZD 10 x 16 Zone Damper	
174118	EA	1	ZD 10 x 18 Zone Damper	
174120	EA	1	ZD 12 x 10 Zone Damper	
174122	EA	1	ZD 12 x 12 Zone Damper	
174124	EA	1	ZD 12 x 14 Zone Damper	
174125	EA	1	ZD 12 x 20 Zone Damper	
174126	EA	1	ZD 12 x 16 Zone Damper	
174127	EA	1	ZD 12 x 18 Zone Damper	
174128	EA	1	ZD 12 x 08 Zone Damper	
174129	EA	1	ZD 10 x 24 Zone Damper	
174140	EA	1	ZD 14 x 10 Zone Damper	
174142	EA	1	ZD 14 x 12 Zone Damper	
174143	EA	1	ZD 14 x 20 Zone Damper	
174144	EA	1	ZD 14 x 14 Zone Damper	
174145	EA	1	ZD 14 x 16 Zone Damper	
174147	EA	1	ZD 18 x 18 Zone Damper	
174148	EA	1	ZD 14 x 08 Zone Damper	
174160	EA	1	ZD 16 x 10 Zone Damper	
174162	EA	1	ZD 16 x 12 Zone Damper	
174164	EA	1	ZD 16 x 14 Zone Damper	
174166	EA	1	ZD 16 x 16 Zone Damper	
174168	EA	1	ZD 16 x 08 Zone Damper	
174180	EA	1	ZD 18 x 10 Zone Damper	
174182	EA	1	ZD 18 x 12 Zone Damper	

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174184	EA	1	ZD 18 x 14 Zone Damper	
174186	EA	1	ZD 18 x 16 Zone Damper	
174188	EA	1	ZD 18 x 08 Zone Damper	
174200	EA	1	ZD 20 x 10 Zone Damper	
174202	EA	1	ZD 20 x 12 Zone Damper	
174204	EA	1	ZD 20 x 14 Zone Damper	
174206	EA	1	ZD 20 x 16 Zone Damper	
174208	EA	1	ZD 20 x 08 Zone Damper	
174219	EA	1	ZD 20 x 18 Zone Damper	
174220	EA	1	ZD 20 x 20 Zone Damper	
174222	EA	1	ZD 22 x 12 Zone Damper	
174224	EA	1	ZD 22 x 14 Zone Damper	
174226	EA	1	ZD 22 x 16 Zone Damper	
174228	EA	1	ZD 22 x 08 Zone Damper	
174229	EA	1	ZD 22 x 10 Zone Damper	
174240	EA	1	ZD 24 x 10 Zone Damper	
174242	EA	1	ZD 24 x 12 Zone Damper	
174244	EA	1	ZD 24 x 14 Zone Damper	
174248	EA	1	ZD 24 x 08 Zone Damper	
174810	EA	1	ZD 08 x 10 Zone Damper	
174812	EA	1	ZD 08 x 12 Zone Damper	
174814	EA	1	ZD 08 x 14 Zone Damper	
174816	EA	1	ZD 08 x 16 Zone Damper	
174818	EA	1	ZD 08 x 18 Zone Damper	
174820	EA	1	ZD 08 x 20 Zone Damper	
174822	EA	1	ZD 08 x 22 Zone Damper	
174824	EA	1	ZD 08 x 24 Zone Damper	
174888	EA	1	ZD 08 x 08 Zone Damper	
174890	EA	1	ZDSP 20 x 14 *DC* Zone Damper	
164108	EA	1	OBS/AOBD 10 x 08 Trol-A-Temp	
164180	EA	1	OBS/AOBD 18 x 10 Trol-A-Temp	
164204	EA	1	OBS/AOBD 20 x 14 T-A-T	
164208	EA	1	OBS/AOBD 20 x 08 Trol-A-Temp	

Zoning (Honeywell)				Pgs: 93-102
ACE #	PK	UM	DESCRIPTION	QTY
154432	EA	1	W8835A1004 EnviraZone System	
164087	EA	1	Y8835A1002 EnviraZone™ System Kit	
164088	EA	1	Y8835A1010 EnviraZone™ System Kit	
164089	EA	1	Y8835A1044 2- Zone VisionPRO	
164090	EA	1	Y8835A1028 3- Zone VisionPRO	
164091	EA	1	Y8835A1036 2- Zone EnviraZone™	
164092	EA	1	Y8835A1051 3- Zone EnviraZone™	
164016	EA	1	HZ311 TrueZONE™ 3-Zone Panel	
164026	EA	1	HZ311K 3-Zone Panel System Kit	
164021	EA	1	HZ322 TrueZONE™ 3-Zone Panel	
164031	EA	1	HZ322K 3-Zone Panel System Kit	
164302	EA	1	HZ432 TrueZONE™ 4-Zone Panel	
164303	EA	1	HZ432K 4-Zone Panel System Kit	
164015	EA	6	EMM-3 HW Econ CTR Mini Panel	
164025	EA	1	EMM-3K System Saver Kit	
164020	EA	1	EMM-3U HW Universal Mini Panel	
164030	EA	1	EMM-3UK HW System Saver Kit	
164300	EA	1	TZ-4 TotalZone® 4- Zone Panel	
164301	EA	1	TAZ-4 TotalZone® Add-A-Zone®	

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