fantech®
a systemair company

PRODUCT CATALOG

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Fantech makes it easy

A resource for our products

Designed to be your best friend in HVAC, this resource guide is dedicated to helping contractors, builders and engineers meet the day-to-day challenges faced within the industry.

On the pages that follow, we illustrate product applications and how our products work together. Showing core products paired with accessories allows you to complete your job efficiently and promptly.

Renderings within this catalog give a visualization of our products in action and, help you identify the versatility and value of using Fantech equipment in a variety of applications to increase Indoor Air Quality. As always, Fantech makes it easy.

fantech®
a systemair company

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“Supplying efficient ventilation products and solutions is what drives us, as does simplifying the installers’ job

Help us help YOU!

Don't be shy.

Fantech now offers the ability to register products for exciting perks and benefits.

SCAN HERE
to register your products in minutes.
fantech.net/register

Registering your product helps Fantech continue improving future product offerings and your customer experience.

Inline Fans

1

Inline fans were a revolution in the industry after their initial inception in 1980s. Contractors fell in love with the versatility and application of these fans in the years to follow.

A recent innovation now allowing inline fans to be equipped with EC motors means you have more flexibility than ever with true variable speed control and energy efficiency to meet demand in the 21st century.

SWIPE RIGHT ON EXCELLENCE

Our products utilizing EC technology provide controllability, high cfm/W ratio, long life and low noise operation, which are perfect for new building designs as well as renovation projects.

CONTROLLABILITY

Built-in electronics in our EC fans makes controlling the fan speed easy. AC fans require additional components and effort for installation.

LONGEVITY

EC fans have a longer lifetime than AC fans due to less friction and because the motor speed is being controlled.

EFFICIENCY

The EC fans have considerable energy savings against AC fans. The magnetic field in the rotor has permanent magnets which results in less losses.

QUIETNESS

EC fans product less sound than AC fans.

LESS VIBRATION AND HEAT

In EC fans you don't create additional heat or vibration when speed is controlled by a stator. This leads to lower temperatures and longer life.

MORE POWER, LESS ENERGY

The EC fans have considerable energy savings as opposed to AC fans. In some instances the AC motor requires 62% more power.

It’s simple. It’s inline. It’s much more.

Over the years, the inline fan has become an icon of the ultimate union of shape and function. Its performance suits almost any need, but a long life span is what truly makes it a must-have piece.

The American classic inline fan

FG Series is designed for installation in circular ducts for variaty of applications: from simple fresh air intake into residential dwellings to exhaust of stale air from basements and crawlspaces.

Airflow ranges between 110 and 950 cfm. Galvanized steel housing. Controllable with an external speed control between 20 and 100%.

FG 4
20W, 110 cfm
5 lbs

FG 4XL
72W, 150 cfm
6 lbs

FG 5
20W, 130 cfm
5 lbs

FG 5XL
74W, 190 cfm
6 lbs

FG 6
70W, 270 cfm
7 lbs

FG 6m
120W, 370 cfm
8 lbs

FG 6XL
150W, 450 cfm
9 lbs

FG 8
116W, 410 cfm
8 lbs

FG 8XL
137W, 470 cfm
9 lbs

FG 10
133W, 480 cfm
9 lbs

FG 10XL
190W, 560 cfm
12 lbs

FG 12XL
300W, 880 cfm
14 lbs

Wattage and airflow are given at 0.2 Pst.
See page 140 for full product specifications.

Pair with controls and accessories

FG 6XL
Inline Fan

AND

WC 15
Speed Control

OR

IR 6
Iris Damper

Do you see any rivets on these fans?

Neither do we.
That’s why they never leak.

FG.. EC Series offers same features as classic FG fans along with built-in potentiometer to control the airflow betwwn 0 and 100%. Ideal solution for projects where boosting some addition air is needed (i.e. backroom with an extended duct run).

FG 4XL EC
33W, 166 cfm
5 lbs

FG 6M EC
74W, 330 cfm
9 lbs

FG 8EC
71W, 390 cfm
8 lbs

FG 10EC
93W, 460 cfm
9 lbs

FG 12XL EC
166W, 750 cfm
16 lbs

Wattage and airflow are given at 0.2 Pst.
See page 141 for full product specifications.

Using this fan for exhaust?
Pair it with these accessories:

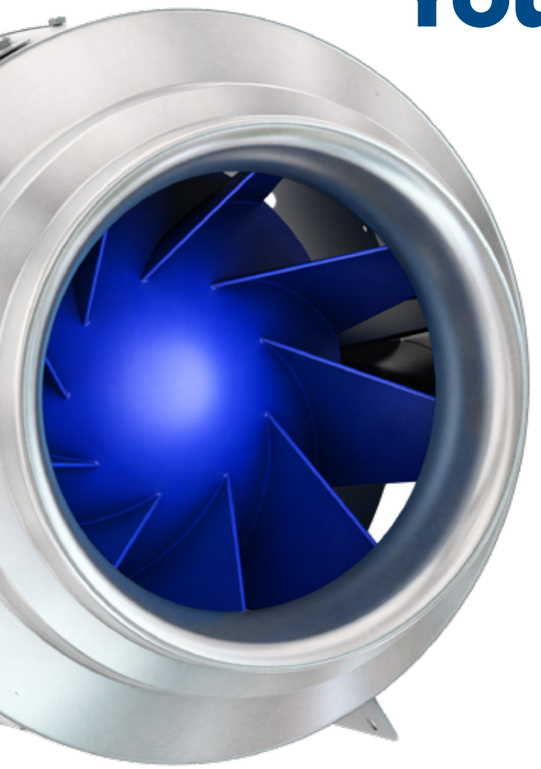
FG 4XL EC
Inline Fan

AND

LD 4
Silencer

HS 4W
Wall Louver

We all know that rivets in fan housings leak air. Our manufacturing process guarantees that rivets aren’t nessesary and ensures an air-tight seal. As a result, stale air leaves your home, not the fan.



You want power? You got it!

The American MUSCLE

FKD Series is designed for installation in circular ducts for applications where high airflows and quiet performance are needed: residential kitchen exhaust, supply/exhaust in institutional buildings such a offices, hospitals, beauty salons, veterinary clinics.

Airflow ranges between 675 and 5,800 cfm. Galvanized steel housing. Controllable with an external speed control between 20 and 100%.

FKD 8XL/KD 8XL
318W, 778 cfm
15 lbs

FKD 10/KD 10
305W, 848 cfm
14 lbs

FKD 10XL/KD 10XL
485W, 1203 cfm
21 lbs

FKD 12/KD 12
484W, 1245 cfm
20 lbs

FKD 12XL /KD 12XL
487W, 1865 cfm
38 lbs

FKD 14
491W, 2010 cfm
37 lbs

FKD 14XL
727W, 2470 cfm
45 lbs

FKD 16
727W, 2758 cfm
44 lbs

FKD 16XL
1609W, 4090 cfm
75 lbs

FKD 18
1637W, 4213 cfm
74 lbs

Wattage and airflow are given at 0.2 Pst.; 120V/1-
See page 146 for full product specifications.

FKD 8XL/KD 8XL
319W, 766 cfm
15 lbs

FKD 10/KD 10
299W, 815 cfm
18 lbs

FKD 14
491W, 1818 cfm
42 lbs

FKD 14XL
727W, 2183 cfm
51 lbs

FKD 16XL
1609W, 3558 cfm
75 lbs

FKD 18XL
2406W, 5220 cfm
98 lbs

FKD 20
2326W, 5345 cfm
99 lbs

Wattage and airflow are given at 0.2 Pst.; 230V/1-
FKD 18XL and FKD 20XL 230-460V/3-
See page 142 for full product specifications.

THE BEST OF BOTH WORLDS

When you need the high airflow of an axial fan with the pressure build-up of a centrifugal fan, the FKD is the perfect solution.

Pair with these Accessories for KITCHEN EXHAUST 1200 cfm

FKD 12XL/ KD 12XL
Inline Fan

AND

HL 42
Range Hood

AND

RSK 12
Backdraft Damper

AND

LD 12
Duct Silencer

AND

RC 12P
Roof Cap

FKD EC Series offers same features as the muscle FKD fans along with built-in potentiometer to control the airflow betwwn 0 and 100%. Ideal solution for projects where extra kick of exhaust air is needed on an irregular basis.

FKD 16 EC
1082W, 4010 cfm
109 lbs

FKD 16XL EC
1965W, 4016 cfm
112 lbs

FKD 18 EC
1979W, 5768 cfm
108 lbs

FKD 20 EC
2002W, 5840 cfm
109 lbs

Wattage and airflow are given at 0.2 Pst.
FKD16EC is a 230V/1-
FKD 16XL EC, FKD 18 EC and FKD 20 EC are 460V/3-
See page 143 for full product specifications.

FRESH AIR Intake?

Pair these accessories with an FKD:

FKD 8XL/ KD 8XL
Inline Fan

AND

ADC 8
Shut-off Damper

FGR 8
Filter Cassette

AND

FML 8
Intake Air Vent

AND

WC 15
Speed Control

Industry leading EC products use up to 40% less electricity.

Our products provide controllability, high efficiency, long life span and low noise characteristics that are perfect for residential projects.

FR Series

Inline Fans

Whatever-You-Want Fan

FR Series was originally designed to exhaust air from a beauty salon. Times passed, it became an icon for many installers across the continent: crawlspace venting, multiple point exhaust, makeup air supply, and simply as a booster fan. It's a truly versatile product.

Airflow ranges between 100 and 300 cfm.
Plastic vibration welded single piece housing.
Controllable with an external speed control between 20 and 100%.

FR 100
20W, 120 cfm
4 lbs

FR 110
66W, 160 cfm
6 lbs

FR 125
20W, 130 cfm
3 lbs

FR 140
62W, 240 cfm
6 lbs

FR 150
68W, 280 cfm
6 lbs

FR 160
116W, 290 cfm
6 lbs

Wattage and airflow are given at 0.2 Pst.
See page 148 for full product specifications.

Zero leakage. 100% guaranteed.

To Vent crawlspace:

FR 160
Inline Fan

AND

FH 20
Dehumidistat

AND

HS 6W
Exhaust Air Vent

To Vent overheated Attic:

FR 100
Inline Fan

AND

FAT 10
Thermostat

AND

RC 4P
Roof Cap

Divine Inspiration

Some Things Never Change

The inline fan is Fantech's timeless masterpiece.

Yes, Fantech invented the inline fan. We have continued to innovate the design and improve efficiencies for specific applications. But the core values of our product have remained the same. The inline fan is a simple, versatile product that can be implimented to meet you unique needs. If you have a specific enough need, you can find a specialized product that exceeds your expectations.

REGISTER TODAY

Register your Fantech product with us for special perks like recall notifications, special promotions and more.
registration.fantech.app

Take the Fight Outside

RVF 4
18W, 100 cfm
8 lbs

RVF 4XL
91W, 180 cfm
8 lbs

RVF 6
93W, 220 cfm
10 lbs

RVF 6XL
148W, 340 cfm
14 lbs

RVF 8XL
150W, 360 cfm
14 lbs

RVF 6XL EC
69W, 362 cfm
17 lbs

RVF 10EC
127W, 830 cfm
28 lbs

Wattage and airflow are given at 0.2 Pst.
See page 144 for full product specifications.

Buy this build for Garage Applications

RVF 4XL
Exterior Fan

AND

IPF05
Speed Control

AND

DGD 4
Plastic Grille w/Damper

Pair with these Accessories for Kitchen Exhaust

RVF 8XL
Exterior Fan

AND

HL 42
Range Hood

AND

RSK 8
Backdraft Damper

AND

LD 8
Duct Silencer

Use these Accessories for Public Bathrooms' installations

RVF 6XL
Exterior Fan

AND

RSK 6
Backdraft Damper

AND

MGE 6
Metal Exhaust Grille

OR YOU CAN CHOOSE

RVF 6XL
Exterior Fan

AND

DGD 6
Plastic Grille w/Damper

Ambient Noise Stays Out

The RVF Series was designed for applications where ambient noise was an issue. With this product being mounted onto the exterior wall, silence doesn't become cowardice. It rather offers you a moment of quiet enviroment so that you can relax and enjoy.

Airflow ranges between 100 and 830 cfm. Lightweight, compact and simple to install. Controllable with an external speed control between 20 and 100%.

Help Your Attic Breathe Easy

RE 54
18W, 117 cfm
8 lbs

REC 54
18W, 117 cfm
9 lbs

RE 6
87W, 227 cfm
10 lbs,

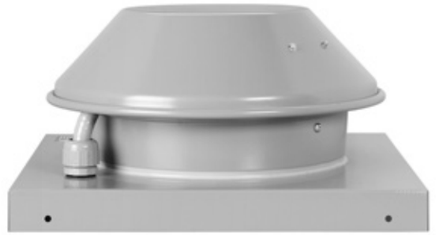
REC 6
87W, 227 cfm
11 lbs

RE 8XL (REC 8XL)
139W, 400 cfm
14 lbs, (15 lbs)

RE 10XL (REC 10XL)
360W, 752 cfm
30 lbs

RE 10XLT (REC 10XLT)
526W, 1009 cfm
33 lbs, (35 lbs)

Wattage and airflow are given at 0.2 Pst.
See page 145 for full product specifications.



Keep the summer heat outside.

Raise your hand if you've experieced a heat buildup in the attic space in summer time. We think that high temperatures inside your attic shorten the life span of roof shingles. Excessive heat deteriorates items you store in the attic and can cause moisture problems in your house. That's why we offer a simple solution to keep attics ventilated on demand.

RE(C) Series is an exhaust direct-drive ventilator for roof installation. Comes in two versions, with a flat base for direct flushing to the roof (RE version) and with a flanged base for curb mounting (REC version). Airflow ranges between 100 and 1,000 cfm.

To Exhaust Air from Attic Space:

RE 54
Roof Fan

AND

FAT 10
Thermostat

AND

RSK 4
Backdraft Damper

To Exhaust air from residential kitchen:

RE 10XL
Roof Fan

AND

HL 48
Range Hood

AND

RSK 10
Backdraft Damper

AND

LD 10
Duct Silencer

To Exhaust air from two Single-family home Bathrooms

RE 6
Roof Fan

AND

PBV 4
Bathroom Grille

AND

FY 644
Y-Connector

AND

FIDT 4 / FIDT 6
Flexible Duct

Need room to grow?

Try this on for size.

CVS Series

MULTI-PORT of Entry

A multi-port exhaust fan works the best for home

spas or two separate bathrooms because you can address exhaust in the areas where it's needed the most: the steam shower, toilet and, of course, your Jacuzzi tub.

CVS Series is an exhaust air fan for areas where space is limited. They are also a popular choice for use between floors in apartment buildings. Airflows between 250 and 400 cfm.

CVS 275A	**CVS 300A**	**CVS 400A**
92W, 220 cfm	123W, 320 cfm	156W, 380 cfm
13 lbs	18 lbs	20 lbs

Wattage and airflow are given at 0.2 Pst.
See page 146 for full product specifications.

To Exhaust Air from two Single-family home Bathrooms:


CVS 275A
Multi-port Fan

AND


MGE 5
Exhaust Grille

AND


FIDT 5 / FIDT 6
Flexible Duct

AND


HS 6W
Exhaust Air Vent

To exhaust air from a large home spa:


CVS 400A
Multi-port Fan

AND


PBL 10-4
Bathroom Grille

AND


FIDT 4 / FIDT 6
Flexible Duct

AND


HS 6W
Exhaust Air Vent

AND


IPHS 5
Humidity Control

Air, say HELLO to **power**.

prio**AIR**®

Inline Fans

Some professionals use intuition and their own judgement to neaty design HVAC systems and run ducts in the places where it would be possible with big guys. So offering a range of low profile inline fans lets them take care of those challenges, their way. Monster fans can rest.

prioAIR® 6	**prioAIR® 8**	**prioAIR® 10**
37W, 252 cfm	96W, 606 cfm	308W, 1324 cfm
3 lbs	8 lbs	14 lbs

Wattage and airflow are given at 0.2 Pst.
See page 147 for full product specifications.

prio**AIR** Series is extremely efficient at fighting kitchen exhaust at long duct runs at low sound levels. prioAIR might be used for variety of supply or exhaust air applications with high static pressure and tight requirements for electrical usage.

Airflows between 250 and 1,324 cfm.

For kitchen exhaust between 400 and 1200 cfm:


prioAIR® 8
Inline Fan

AND


HL 36
Range Hood

AND


RSK 8
Backdraft Damper


LD 8
Duct Silencer

AND


RC 8P
Roof Cap

Keep the air moving when your car is in park

Your garage is a home to a plethora of smells and liquids that you use all over your house. Not all of these smells are harmless though.

Attached garage air quality matters because the space's two main purposes are for parking emission-releasing vehicles and storing items that can include hazardous materials. Your attached garage is attached to your house; it naturally has an impact on the rest of your home's air quality and safety.

Mechanical exhaust that keeps dangerous volatile organic compounds (VOC) and chemical fumes from making it into your home.

Have a 3 or 4 Car Garage?

Consider adding a few more MGE Exhaust grilles and using a higher rated RVF4XL to properly ventilate your garage.

RVF 4XL
Exterior-Mount
Exhaust Fan

Exhaust Out

MGE4
Exhaust Grille

IPF05
Speed Control

RSK Backdraft Damper

Anytime you have an exit for air-flow be sure to cover your tracks with a backdraft damper. It keeps air from blowing back into the space when the fan is turned off.

Buy This Package

AND

AND

AND

RVF 4 or 4XL
Exterior Mount Fan

MGE 4
Exhaust Grille

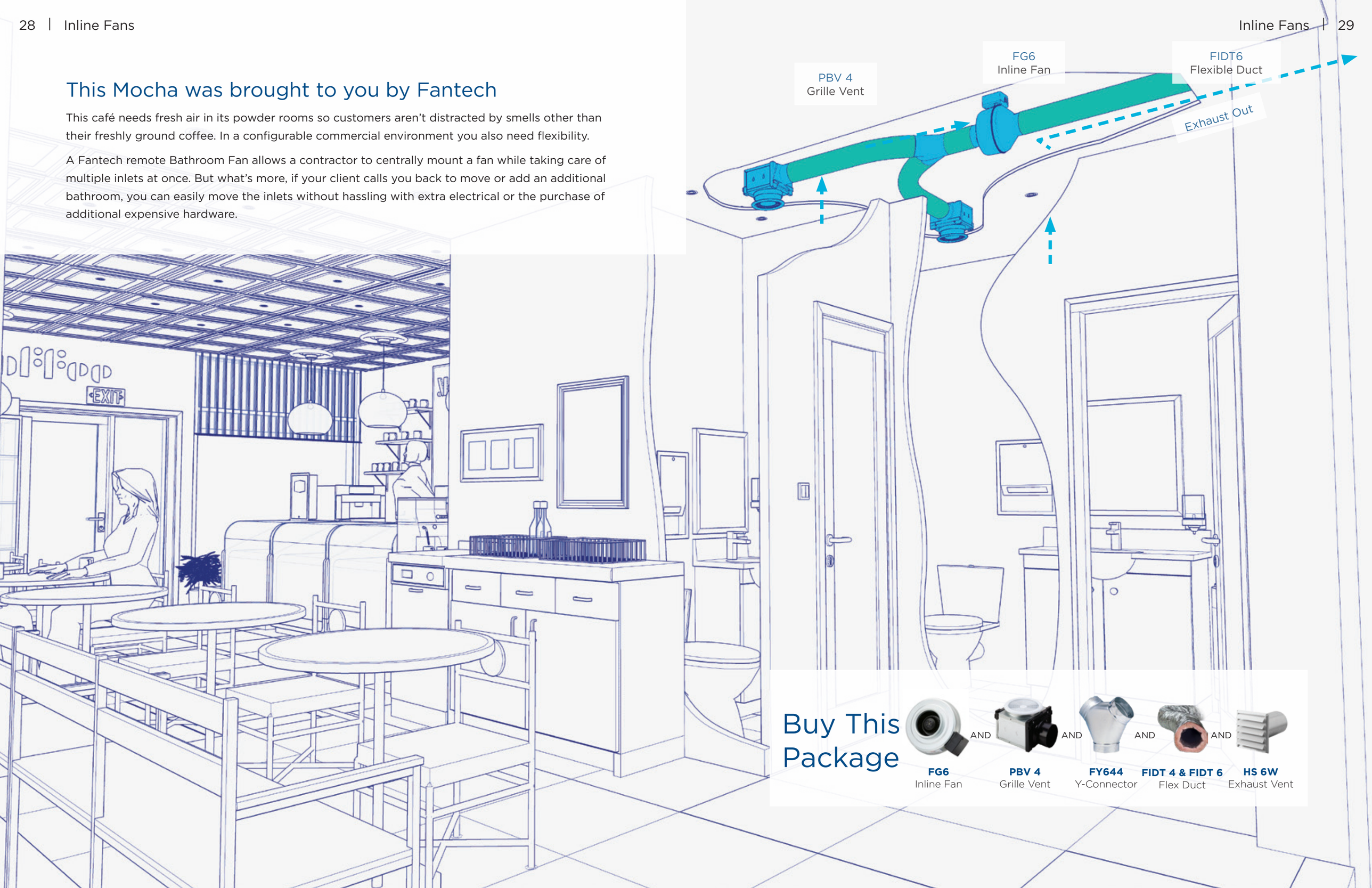
IPF05
Speed Control

RSK 4
Backdraft Damper

This Mocha was brought to you by Fantech

This café needs fresh air in its powder rooms so customers aren't distracted by smells other than their freshly ground coffee. In a configurable commercial environment you also need flexibility.

A Fantech remote Bathroom Fan allows a contractor to centrally mount a fan while taking care of multiple inlets at once. But what's more, if your client calls you back to move or add an additional bathroom, you can easily move the inlets without hassling with extra electrical or the purchase of additional expensive hardware.



Buy This Package

FG6
Inline Fan

AND

PBV 4
Grille Vent

AND

FY644
Y-Connector

AND

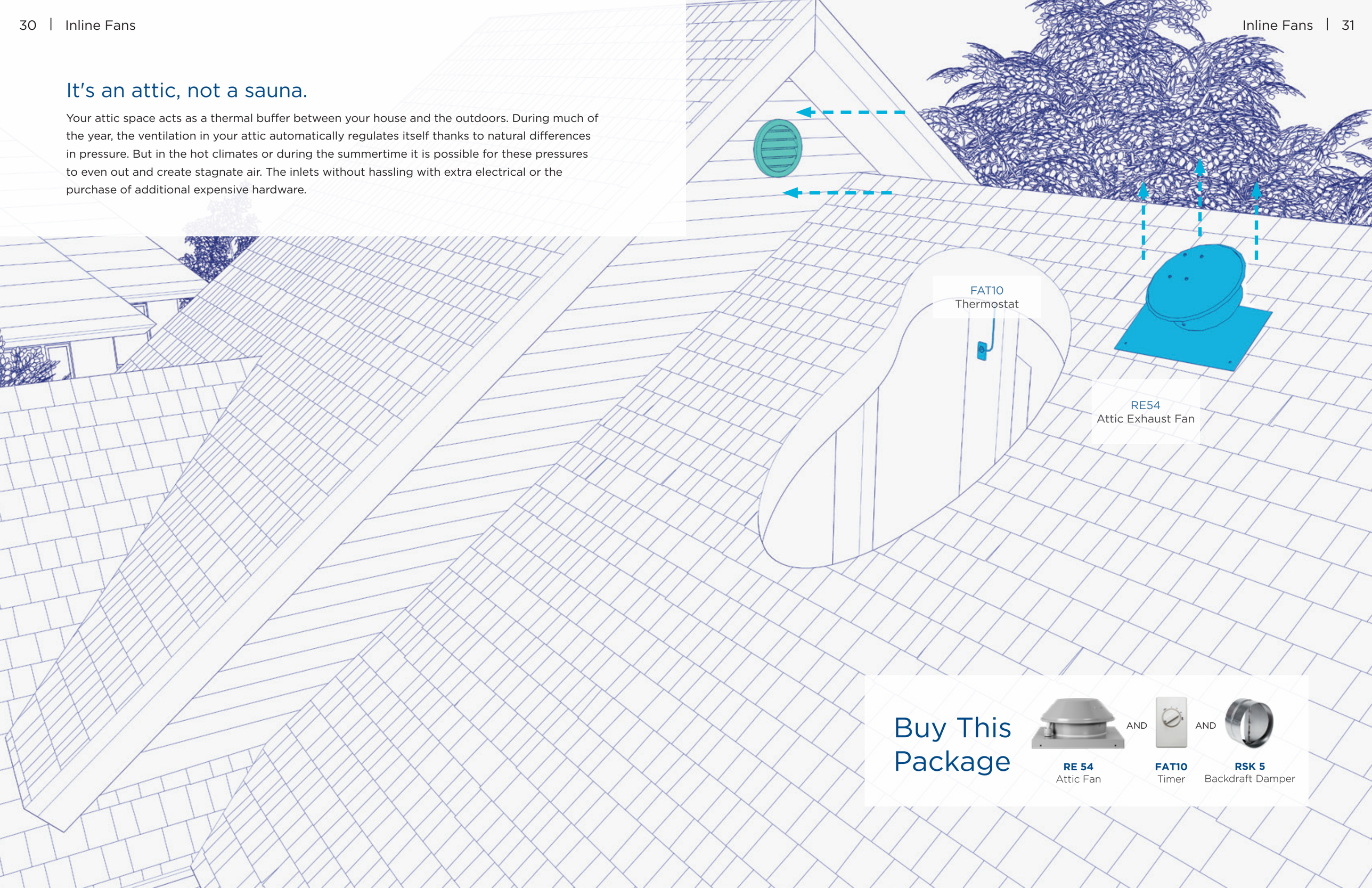
FIDT 4 & FIDT 6
Flex Duct

AND

HS 6W
Exhaust Vent

It's an attic, not a sauna.

Your attic space acts as a thermal buffer between your house and the outdoors. During much of the year, the ventilation in your attic automatically regulates itself thanks to natural differences in pressure. But in the hot climates or during the summertime it is possible for these pressures to even out and create stagnate air. The inlets without hassling with extra electrical or the purchase of additional expensive hardware.



Buy This Package

RE 54
Attic Fan

AND

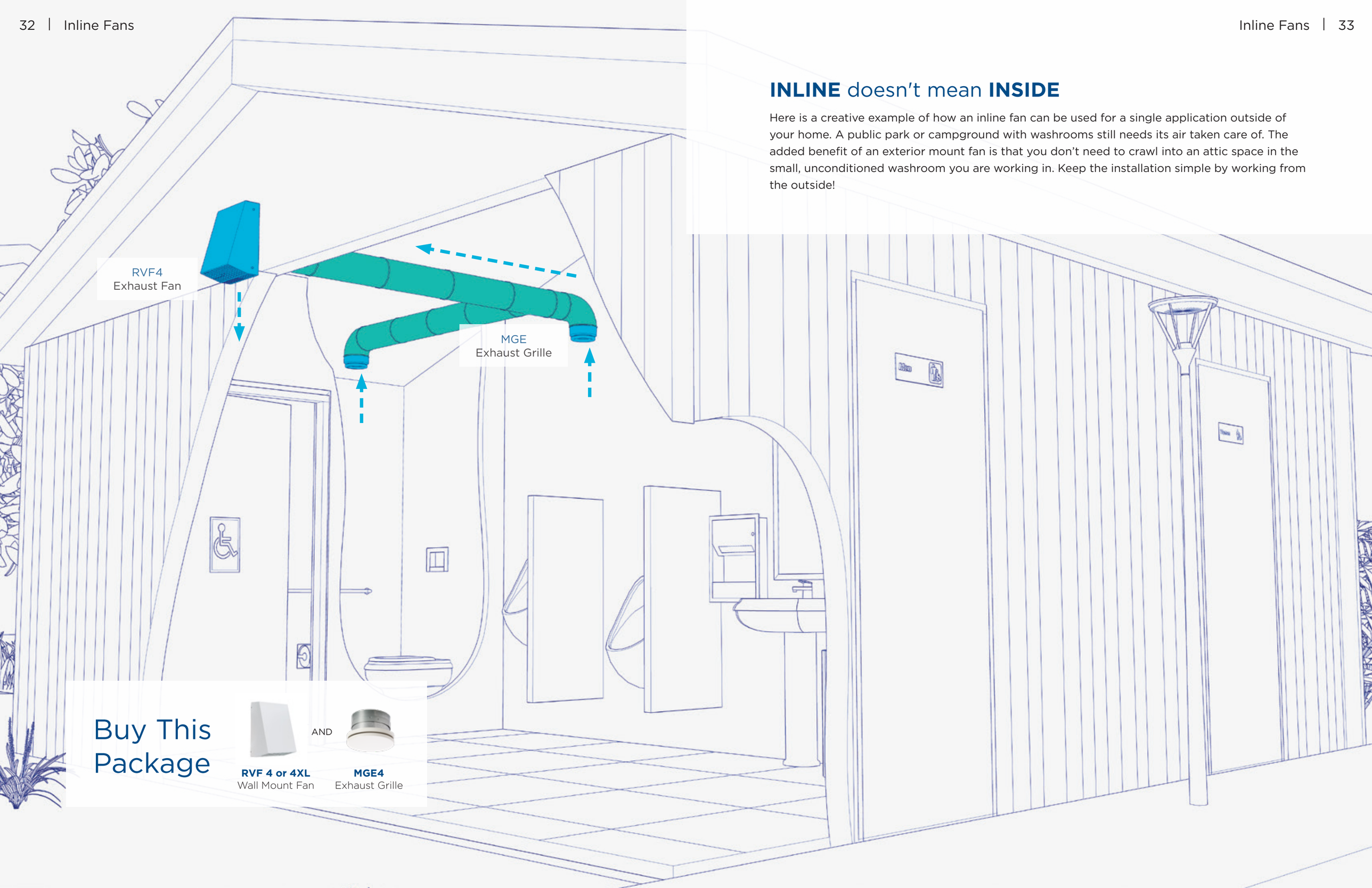
FAT10
Timer

AND

RSK 5
Backdraft Damper

INLINE doesn't mean **INSIDE**

Here is a creative example of how an inline fan can be used for a single application outside of your home. A public park or campground with washrooms still needs its air taken care of. The added benefit of an exterior mount fan is that you don't need to crawl into an attic space in the small, unconditioned washroom you are working in. Keep the installation simple by working from the outside!



Buy This Package

RVF 4 or 4XL
Wall Mount Fan

AND

MGE4
Exhaust Grille

DBF 110
Booster Fan

Ultra Versatile Inline Solutions

A DBF 110 doesn't have to be used specifically for laundry application. In this scenario, the contractor is using this fan to boost this extra long duct run from the bedroom. Thus, ensuring the conditioined air makes it through its long journey in this large home. The built in pressure switch cuts out the hassle of installing a switch. Do you have a unique application with this product's name on it?

DBF 110
Booster Fan

Radon Mitigation

2

From introducing the first inline radon fan to the U.S. in 1983 to developing the first Pressure Field Extension Diagnostic Kit (PFEDK) in 2018, Fantech's history is marked with iconic industry firsts. For more than 40 years, we have been committed to providing high quality products that not only save lives, but make yours just a little bit easier. With the Fantech solution, we take Mitigators from testing, to installation, to relieved homeowners in one solution. Leave them to 'Breathe Easy' knowing their system is monitored for effectiveness with our new Radon Alarm as the final touch.

Welcome to the Family

Our straight and narrow family selection makes your job easy

Fantech has proudly led the industry with our quality inline fans for decades on end. But when we discovered our fans were a key component in radon mitigation we decided to take it up a notch. The result was a new family of fans designed specifically for the fight against radon.

In recent history we've taken another large step in improving our products by simplifying our product line for painless and accurate selection.

Rn1
Low Suction, Low Airflow

The Rn1is specifically designed for applications where lower pressure and flow are needed. With a record low power consumption of less than 20W, this ENERGY STAR® fan is the perfect choice where there is good sub slab communication and lower Radon levels.

Rn2
Low Suction, Medium Airflow

Ideally tailored and balanced performance curve for a vast majority of your mitigations. A great solution for the bulk of your projects.

Rn2X
Medium Suction, Medium Airflow

Where medium suction/medium airflow is needed, the Rn2X is ideally tailored to meet the mitigation requirements.

Rn3
Medium Suction, High Airflow

The Rn3 model is an excellent choice for systems with elevated radon levels, poor communication, multiple suction points and/or large sub slab footprint.

Rn2EC
Medium Suction, Low Airflow

Same flexible performance of our Rn2 fan, but with the built-in flexibility offered by an EC motor. Get dialed in to just the right suction level with the Rn2EC.

Rn4EC
High Suction, High Airflow

Our Rn4EC radon fan system is specifically designed for mitigation systems requiring high suction air performance, with the built-in flexibility to provide greater air flow rates at lower suction pressures as well. No more choosing either high flow or high suction, this fan can do either one!

Rn1	**Rn2**	**Rn2X**	**Rn3**
168 cfm max	166 cfm max	324 cfm max	377 cfm max
0.9 in.wg. max	2.0 in.wg. max	1.7 in.wg. max	2.6 in. wg. max
4 lbs	6 lbs	7 lbs	8 lbs

Rn2EC	**Rn4EC**
180 cfm max	555 cfm max
2.0 in.wg. max	4.9 in.wg. max
7 lbs	9 lbs

A Radon fan for every situation.

Radon exposure is not the same everywhere. One house can have radon levels next to zero while the house next door can have levels that are off the charts. As your region, building structure and radon mitigation methods differ so do products intended for these specific applications. Knowing how to choose the right product is important: it will determine how effective your radon mitigation solution is at reducing exposure to Radon.

Rn2SL
Low Suction, Medium Airflow

Our Rn2SL is engineered specifically for the demands of radon mitigation applications with aesthetics in mind. This exterior-mounted fan features a sleek, neutral-colored housing that is less contrasting to the appearance of many homes' exteriors.

Rn2SL
159 cfm max
2.1 in.wg max
13 lbs

Don't settle for plumbers' leftovers.
LDVI® couplings are purpose-built for Radon installs.

LDVI® Bulk Packs
Radon Specific Couplings

Complete your Radon system with a pair of Fantech's new LDVI® (Low Durometer Vibration Isolating) couplings. Designed specifically for radon mitigation applications, our patented LDVI couplings are molded with a softer, more flexible (low durometer) material as compared to standard plumbing couplings, making installation easier, while providing superior vibration isolation.

LDVI couplings are designed to work with both 3" and 4" PVC pipe connections and can be used to enhance the performance of ANY radon fan on the market.

LDVI® 4x3	**LDVI® 6x4**	**LDVI® 4x4**	**LDVI® 6x3**
54 Pieces	40 Pieces	36 Pieces	40 Pieces
40 lbs	37 lbs	28 lbs	37 lbs

FRIK Rn Installation Pack
Single System Install Pack

Included in the FRIK kit is a pair of our LDVI® couplings, U-tube manometer, and radon system labels.

	FRIK 4x3	**FRIK 4X4**	**FRIK 6X3**	**FRIK 6X4**
Rn1	X	X	-	-
Rn2	X	X	-	-
Rn2EC	X	X	-	-
Rn3	-	-	X	X

The **PRESSURE FIELD EXTENSION DIAGNOSTIC KIT**

Fantech's PFE Diagnostic Kit assists you in properly sizing any sub-slab depressurization applications up to 4.4".

PFEDK
34 lbs

It's a science,
use it to your advantage.

Confidence Comes in a Yellow Case

Impress homeowners with a PFE Diagnostic Kit while simultaniously getting the tools you need to get readings more accurate than ever before. No more shop-vac mitigation. Fantech has made a tool that simplifies taking an accurate reading from under the slab and recommends the correct fan solution in minutes thanks to a convenient app on your phone.

The **PDEDK App** finds the exact airflow and Radon fan for the job

Learn More About the **PFEDK**

NEW

RADON ALARM

Give homeowners peace of mind knowing their mitigation system is working properly. With the Radon Alarm, homeowners will be notified when their Active Soil Depressurization radon reduction system fails.

The Radon Alarm measures the suction pressure - not the radon levels - of the Active Soil Depressurization (ASD) system. It exceeds AARST requirements by including a clear & distinct audible notification and a visual light notification that is vividly observable - consisting of green, yellow, & red LED lights.

Radon Alarm
1 lbs

See the easy install & What see what homeowners need to know

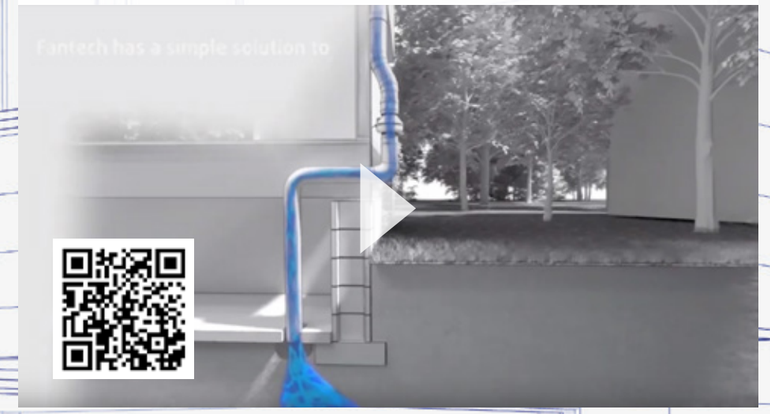
Let Radon take the high road.

Radon simply loves a great escape. While radon is a dangerous gas when left unattended, it actually doesn't want to be in your home at all.

A mitigation system simply creates a more appealing route for your unwanted guest to evacuate. The science is simple!

Educate homeowners why Radon gas is a threat to their health

Radon is an invisible, radioactive gas that has a tendency to build up under the foundation of your home. Unfortunately, being exposed to this radioactive isotope won't give you superpowers. Learn how Fantech can keep your home safe with the utmost accuracy with their industry-leading technology.



Rn4EC
High Flow and Suction

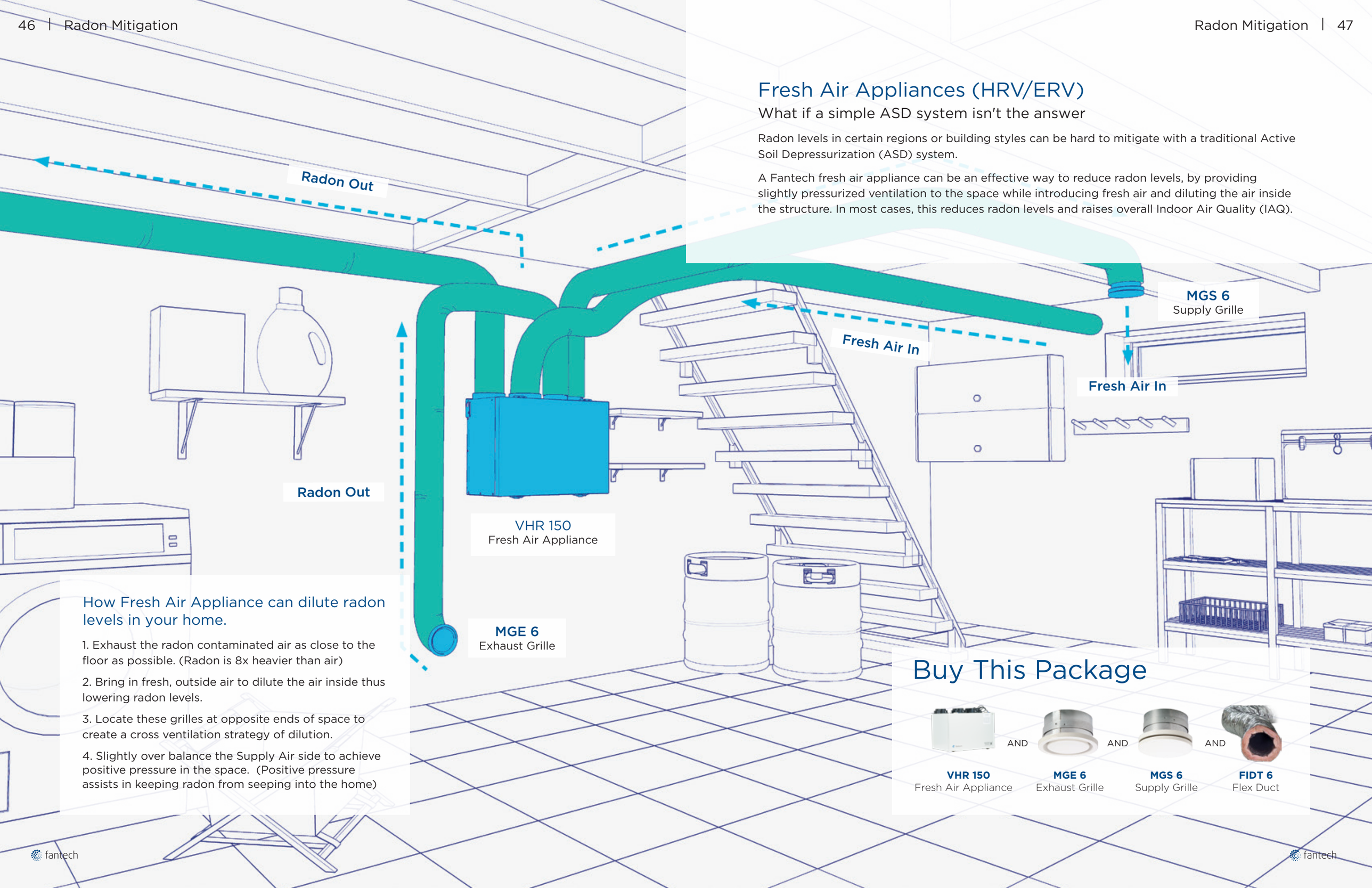
Match fan suction to your job requirements with Rn4EC.

Fresh Air Appliances (HRV/ERV)

What if a simple ASD system isn't the answer

Radon levels in certain regions or building styles can be hard to mitigate with a traditional Active Soil Depressurization (ASD) system.

A Fantech fresh air appliance can be an effective way to reduce radon levels, by providing slightly pressurized ventilation to the space while introducing fresh air and diluting the air inside the structure. In most cases, this reduces radon levels and raises overall Indoor Air Quality (IAQ).



How Fresh Air Appliance can dilute radon levels in your home.

1. Exhaust the radon contaminated air as close to the floor as possible. (Radon is 8x heavier than air)

2. Bring in fresh, outside air to dilute the air inside thus lowering radon levels.

3. Locate these grilles at opposite ends of space to create a cross ventilation strategy of dilution.

4. Slightly over balance the Supply Air side to achieve positive pressure in the space. (Positive pressure assists in keeping radon from seeping into the home)

Buy This Package

VHR 150 Fresh Air Appliance AND **MGE 6** Exhaust Grille AND **MGS 6** Supply Grille AND **FIDT 6** Flex Duct

Bathrooms

3

Designing a bath involves many decisions that will ultimately affect its look and function, whether it be a busy family bathroom or a small guest bath with limited space. Or, maybe, you're going all out for that ultra-modern bath retreat with all the amenities.

No matter what style bath you're designing, one thing remains the same - the need for proper ventilation.

And who better to offer you the perfect ventilation solution than Fantech? For more than two decades our quiet ventilating fans have protected bathrooms from the damaging effects of mold and mildew without disturbing your peace and quiet.

Why choose a remote mounted bath fan?

It is a common misconception that multiple bath fans have to be purchased for every bathroom in your home. It is also a misconception that bath fans have to be loud and annoying. But Fantech has a better solution to both of these problems in one convenient package.

PB Series

Premium Bath Fans • Single Grilles

Clear the air in smaller baths and powder rooms

A small-scale grille mounts in the ceiling while the fan motor mounts in a remote location away from the living area. The result is a quiet yet powerful combination designed to help protect your home from the damaging effects of humidity. PB fans are designed for intermittent or continuous operation to meet ASHRAE Standard 62.2.

PB 110 & PB 190 Premium Bath Fan

with one Ceiling Grille

PB 110
100 cfm
9 lbs

PB 110 meets ENERGY STAR requirements

PB 190
200 cfm
13 lbs

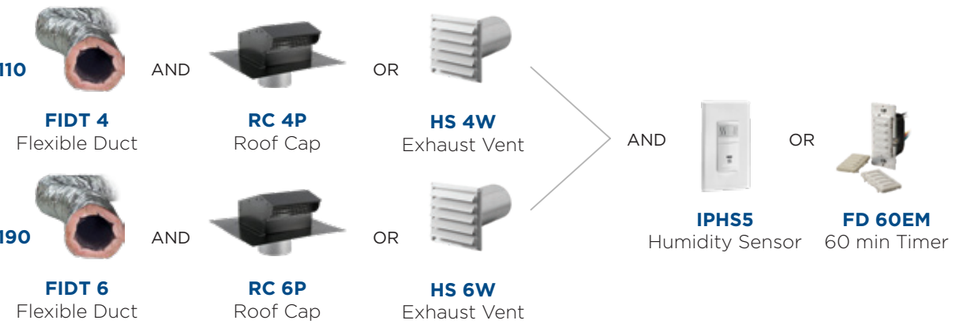
PB 110L7 & PB 110L10 Premium Bath Fan

with a Dimmable 10W LED Light/Grille

PB 110 L7
100 cfm
10 lbs

PB 110L10
100 cfm
7 lbs

Accessories for Single Grille PB Series



Did You Know Fantech Remote Bath Fans...

...can be linked to up to three* remote locations?
...can be paired with automatic humidity sensors and timers?
...have premium designer grille options?

*number of locations depends on model selected

PB Series

Premium Bath Fans • Dual Grilles

The key for clean oversized baths is spot ventilation

Dual grille Premium Bath fans can effectively ventilate two areas of the bath or two different bathrooms. Small 7" ceiling grilles (with or without lights) can be easily positioned directly over showers, whirlpool tubs, steam showers, toilet or vanity. The fan motor is installed away from the living area for super quiet operation. PB fans are designed for intermittent or continuous operation to meet ASHRAE Standard 62.2.

PB 270L10-2 Premium Bath Fan

with Two 10W Dimmable LED Lights/ Ceiling Grilles

PB 270L10-2
260 cfm
19 lbs

PB 270-2 & PB 370-2 Premium Bath Fan

with Two Ceiling Grilles

PB 270-2
260 cfm
17 lbs

PB 370-2
340 cfm
17 lbs

Accessories for Dual Grille PB Series

FIDT 6
Flexible Duct

RC 6P
Roof Cap

HS 6W
Exhaust Vent

IPHS5
Humidity Control

FLD 60
Light Switch

Grilles! Grilles! Grilles!

Fantech offers many grille designs for your unique wants and styles. Take a look at our accessories for more. These can be used in any appropriately sized duct opening.

MGE
p. 125

Grilles pair well with CVS Series Remote Fans

CVS 300A
Exhaust
Multi-Port Fan
p. 24

PBW Series

Exterior Mount Bath Fans

PBW 110 Exterior Wall Mount Bath Fan With or Without a Light

with one Ceiling Grille

The PBW is a great option for those spaces that don't allow for a traditional inline fan. Don't let a cramped space be a reason to settle for the noisy alternatives.

FIDT 4
Flexible Duct

AND

IPHS5
Humidity Sensor

OR

FD 60EM
60 min Timer

PBW 110
100 cfm
12 lbs

PBW 110 L7
100 cfm
w/7W LED
13 lbs

PBW 110 L10
100 cfm
w/11W LED
13 lbs

Turn the page to learn how to calculate which fan is best for your bathroom or home spa.

The IPHS5

A completely hands off solution that pairs well with our virtually silent, remote bath fans for a truly premium experience.

- Automatically detects excess humidity
- Continuously monitors and manages humidity 20 min ON / 40 min OFF mode
- Manual operation
- Meets CALGREEN requirements
- Meets the requirements of 2016 California Title 24
- Meets the requirements of ASHRAE 62.2
- Five-Year Limited warranty

IPHS5
Humidity Sensor
1 lbs

Check fantech.net to ensure your selection is compatible with the IPHS5.

The Math is Simple

There are a few simple ways to calculate the necessary CFM of your bathroom. There are two ways to think about; Less than 100 sq ft and Greater than 100 sq ft.

Less than 100 sq ft

For these situations, simply multiply the length and width of a bathroom to learn the required CFM.

Greater than 100 sq ft

For these situations, simply add 50CFM for each shower, toilet, steam shower, or tub. Whirlpool or garden tubs are 100CFM.

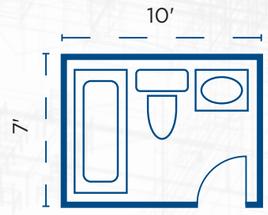
Full Bath

10’ x 7’ = 70 sq ft (<100) = **70 CFM**

PB 110
100 cfm

AND

FD 60EM
60 min Timer



Double Bath

For a double bath you simply add the CFM requirements of two bathrooms and add them together.

9’ x 13’ = 117 sq ft (>100 sq ft)
1 toilet + 1 tub = **100 CFM**

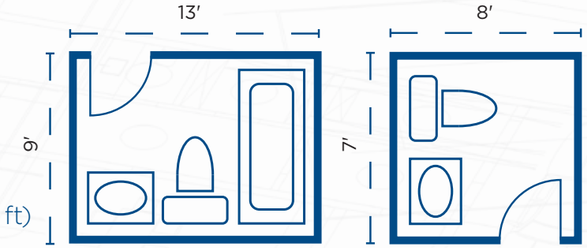
7’ x 8’= 56 sq ft (<100 sq ft) = **56 CFM**

Add results from both.
100 + 56 = **156 CFM**

PB 270-2
260 cfm

AND

IPHS5
Humidity Sensor



1/2 Bath

6’ x 6’ = 36 sq ft (<100) = **36 CFM**

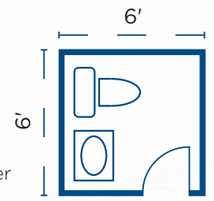
PB 110
100 cfm

OR

PBW 110
100 cfm

AND

FD 60EM
60 min Timer



Home Spa

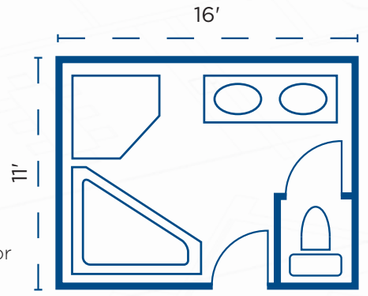
16’ x 11’ = 176 sq ft (>100)

50 toilet + 50 shower + 100 garden = **200 CFM**

CVS 300
Exhaust
Multi-Port Fan

AND

IPHS5
Humidity Sensor



The Last Question: Remote Fan or Ceiling Mount Fan?

Another simple tool, this cost benefit table, will help you decide if its more economic to buy a remote bath fan capable of doing multiple bathrooms at once or a single, ceiling mount bath fan for each bathroom.

Equipment / Labor	Comparable 110CFM Ceiling Mount Fan*				Premium Bath Fan by Fantech			
	Materials	Quantity	Cost /ea	Total	Materials	Quantity	Cost /ea	Total
Main Bathroom	Comparable 110CFM Ceiling Mount Fan	1 pc	$247.-	$247.-	PB 270L10-2 Remote Mount Bath Fan (270 CFM)	1 pc	$410.-	$410.-
Master Bathroom	Comparable 110CFM Ceiling Mount Fan	1 pc	$247.-	$247.-	Second Location FREE	1 pc	-	-
Controls	Std On/Off Toggle Switches	2 pcs	$5.-	$10.-	Std On/Off Toggle Switches	2 pcs	$5.-	$10.-
Ducts	12 ft. 6” insulated ducts	1 pc	$40.-	$40.-	6” Flex + 4” Flex	1 pc	$70.-	$70.-
Roof Caps	6” roof cap	2 pcs	$30.-	$60.-	6” roof cap	1 pc	$30.-	$30.-
Electrical Labor	Wiring fan	2 hrs	$55.-	$110.-	Wiring fan	1 hr	$55.-	$55.-
Ducting labor	Mount grille box	2 pcs	$38.-	$76.-	Mount grille box	2 pcs	$38.-	$76.-
	Mount duct & roof cap	2 pcs	$90.-	$180.-	Mount duct & roof cap	1 pc	$90.-	$90.-
Installation Cost				**$ 961.-**				**$ 741.-**

Note: Prices are subject to market fluctuations
*Based on internet retail cost of Panasonic FV-0511VQL1

PRO™ Series

Built with the Pro in mind

Efficiency, quiet operation and ease of installation characterize both the PRO™ and PRO™PLUS series. Both fans are certified to the rigorous California Title 24 building energy code, as well as ETL/c-ETL, HVI, and ENERGY STAR® standards. The PRO™ Series operates at just 2.0 sones while the PRO PLUS™ is barely audible at 0.3 sones. Installation is fast and easy thanks to an adjustable mounting bracket that requires fewer screws than other brands.

Model	Low Sones	Integrated Backdraft Damper	Acessories Sold Seperately	Warranty	Integrated LED Light	Integrated Motion Sensor	Integrated Humidity Sensor
PRO™ Series 80 & 100		✓	✓	3 yr			
PRO™ Series 150		✓	✓	3 yr			
PRO™ Plus	✓	✓		5 yr		✓	✓
PRO™ Plus -L	✓	✓		5 yr	✓	✓	✓

BATH FANS FOR EVERY SCENARIO

The bath fan is the unsung hero of the bathroom. It keeps mold, mildew and bacteria at bay, but only if you choose the right size and make sure it's working properly.

Fantech's variety of fans and accessories makes it easy for you to choose the right fan for your build.

PRO™ Series (80, 100, & 150)

with a Ceiling Grille

PRO™ 80/100

PRO™ 150

PRO™ Series offers three models with a ceiling grille and damper for airflow of 80, 100 or 150 cfm. The PRO™ 80 fan has a unique plug and play concept that allows you to add accessories such as a humidity sensor without changing the fan. This model holds an ETL listing and conforms to UL and CSA safety standards. ENERGY STAR® and HVI qualified, California Title 24 Listed. Contractor packs are available for the Pro™ Series 80/100 bath fans.

PRO™ PLUS Series

with LED Ceiling Grille, Humidity and Motion Sensor

PRO™ PLUS

PRO™ PLUS -L

User-adjustable 80/90/110/140 cfm fan with a ceiling grille, backdraft damper, humidity and motion sensor. The fan provides 4 different airflows: 80-90-110-140 cfm. Uses a 6" metal duct. The product is provided with an adjustable 12-24" EZ bracket for ease of installation. This model holds an ETL listing and conforms to UL and CSA safety standards. ENERGY STAR® and HVI qualified, California Title 24 Listed.

Pro™ 80 or Pro™ 100
80 or 100 cfm
9 lbs

Pro™ 150
150 cfm
9 lbs

Pro™ Plus
140 cfm
12 lbs

Pro™ Plus -L
140 cfm
12 lbs

PRO™ Series Accessories

PRO™ Ceiling Radiation Damper

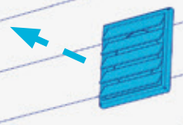
PRO™ Series LED Light Grille

PRO™ PLUS Ceiling Radiation Damper

PRO™ Series Humidity Sensor

The Perfect Home Spa Solution

Offering the most intake grille options for a remote ventilator solution with up to four ports available. Perfect for a home spa or multi bathroom scenario. Specially designed to fit in your attic or in the space between floors in a multi-level home.



HS6W
Shutter for Exhaust

CVS 300
Exhaust Multi-Port Ventilator

MGE4
Exhaust Grille

Buy This Package

CVS 300
Exhaust Multi-Port Fan

AND

FIDT 4 / FIDT 6
Flexible Duct

AND

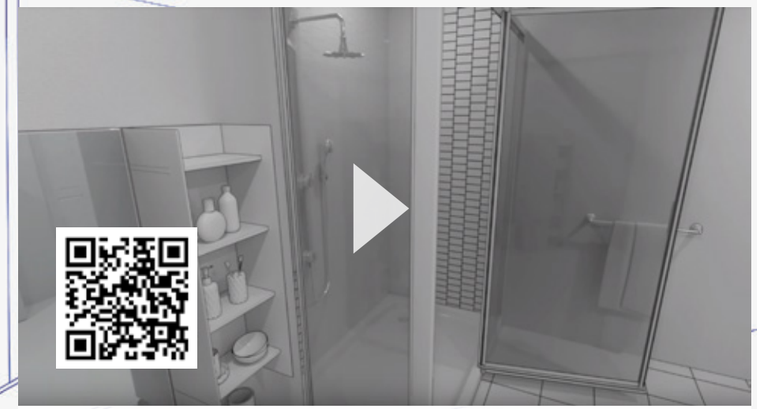
HS 6W
Exhaust Louver

AND

MGE 4
Exhaust Grille

RC 6P
Roof Cap

PB270-2
Remote Bath Fan



Does a noisy bath fan leave you steaming?

It's hard to relax in a hot bath when the buzz of your bathroom fan is all you can hear. It's time for peace and quiet with Fantech's remote-mounted bath fans for virtually zero noise heard from inside your bathroom.

Buy This Package

PB 270-2
Premium Bath Fan

AND

FIDT 4 / FIDT 6
Flexible Duct

AND

RC 6P
Roof Cap

Expand your exhaust air system by adding an extra PBV4 grille

Using an exterior-mount fan is a great way to get all the benefits of a remote fan without the hassle of utilizing an attic space. The PBW 110 has the added benefit of being compatible with all of Fantech's switches and accessories as well. So premium features are always available no matter what size or build.

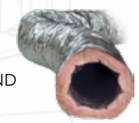
PBW 110
Exterior-Mount
Exhaust Fan

PBV4
Vent Grille

Buy This Package

PBW 110
Exterior-Mount Fan and Ceiling Grille

AND



FIDT 4
Flexible Duct

AND

FD60EM
60 Minute Timer

AND

PBV4
Vent Grille

Dryer Exhaust Fans for Residential Laundries

4

It used to make perfect sense to put a dryer on the outward facing wall of your house. But then homeowners got wise and wanted them closer to the bedrooms, where the dirty clothes are.

While a dryer fan is rated well enough to exhaust lint through a shorter duct length, the homeowner's tastes have changed. Let Fantech help you extend the viable duct length of over 100 feet with our inline and externally mounted solutions.

The DEDPV has continued to uphold the standards needed to meet and exceed the listed UL705 standard.

The UL testing standards for DEDPV's help ensure that dryer exhaust fans can safely and effectively assist the ventilation of a residential capacity dryer. The standard's tests prove functionality of required safety features, provisions for maintenance, proper air velocities for lint management, etc. UL's DEDPV standard has established a baseline for dryer exhaust fans. Authorities now require UL Listed DEDPVs for installations in their communities. Architects and engineers can also specify UL Listed DEDPVs for their projects, knowing that the safety of these installations is backed by a globally-recognized, independent testing and standards company.

DEDPVs are most notably differentiated from other dryer exhaust fans by these features:

DEDPV fan housings is metal, not plastic as some products available on the market. A DEDPV shuts down in the event of a dryer fire, so as not to facilitate the spread of fire in the home.

A DEDPV automatically energizes when the dryer is operated.

A DEDPV indicates proper fan operation to the dryer operator as well as notifying the dryer operator in the event of a fan failure.

Premium Features Galore

More than what's in the box

What you see isn't always what you get. In our case, you get more! In addition to outstanding accessories and features, our products are certified by one or more of the HVI, ETL and UL ratings. That means you're getting a promise that is backed by something that's more than a stamp on the box.

	Model	Integrated Pressure Switch	5 1/2 Foot Power Cord	LED Indicator Panel	Advanced Fire Safety Feature	Listed to UL-705 Standard
US ONLY	DEDPV-705	✓	✓	✓	✓	✓
	DBF 4XLT	✓	✓	✓		
	DBF 4XL	✓	✓			
	DBF 110	✓				
CAN ONLY	DPV22-2	✓	✓	✓	✓	

Product dimesions available online at fantech.net

How do I calculate my duct run?

To calculate the length of your planned duct run, measure from the dryer to the external venting point in the roof or wall. For each bend or elbow add 85 feet to your total duct run calculations (or as required by local codes).

When is a dryer exhaust necessary?

According to some dryer installation instructions and local building codes, DEDPV-705 should be added in the dryer duct run when the length of duct exceeds 25 feet with no bends, 20 feet with one bend or 15 feet with 2 bends. With an existing system you may find that drying times are far longer than the dryer manufacturers instructions give, this may indicate that you have a duct run longer and more restrictive than your dryer can handle. Installing a Fantech DEDPV in the duct line will relieve the excess pressure in the duct allowing the dryer to operate as designed, and dries your clothes faster.

DEDPV-705

Dryer Exhaust Duct Power Ventilator

U.S. Markets

DEDPV-705 is a dryer exhaust duct power ventilator. It helps your dryer run efficiently while removing the warm and moist air from the dryer duct. The product complies with the UL standard to the DEDPV supplement to UL705.

- Pressure switch automatically activates the exhaust fan once the dryer is on;
- Temperature limit switch turns the fan off in case of a fire
- The wall-mounted indicator panel to indicate operation
- Four mounting clamps and two clean-outs ease installation and service
- 5-foot cord with a plug for 120V/1- power supply

DEDPV-705
Up To 125′
Duct Length
13 lbs

DPV22-2
Up To 125′ Duct Length
7 lbs

DPV22-2

Dryer Exhaust Duct Power Ventilator

Canada Markets

DPV22-2 is a dryer exhaust duct power ventilator. It helps your dryer run more efficiently by assisting it in overcoming pressure losses caused by long or restricting exhaust duct designs and effects of high altitudes. Higher exhaust rate means faster dry time. The product complies with the CSA standard to the DEDPV supplement. Suitable for gas and electric clothes dryers.

DBF Series

Duct Booster Fans | Available in US only

The Fantech duct boosting fans have been specially designed to solve the problems caused by long duct runs on clothes dryers. According to dryer manufacturers and some local building codes, duct booster fans should be added in the dryer duct run when the length of the duct exceeds 25 feet with no bends, 20 feet with one bend or 15 feet with two bends.

When the dryer is on, Fantech's patented pressure sensing switch automatically turns the exhaust fan on. The warm, moist air in the dryer duct is exhausted out of the building quickly. The dryer exhaust fan monitors the status of the dryer and will turn itself off when the dryer stops. A wall-mounted indicator panel (specific models) with LED display lets homeowners know that the fan is fully operational.

DBF 4XLT	**DBF 4XL**	**DBF 110**
130' duct length	130' duct length	108' duct length
8 lbs	10 lbs	9 lbs

DBF 4XLT
with pressure switch, power cord and indicator panel

DBF 4XL
with pressure switch and power cord

DBF 110
with pressure switch

Can the Fantech inline dryer exhaust fans be mounted horizontally?

As long as the air flow direction is correct and the pressure switch is vertical, the Fantech inline dryer booster fan can be mounted in any orientation.

Did you know?

According to the National Fire Prevention Association (NFPA), the leading cause of home fires is from lint ignition in the dryer or dryer duct.

A DEDPV-705 or Dryer Exhaust Fan from Fantech® maintains an airflow that keeps lint suspended while exhausting it to the outside, thereby reducing the risk of fire.

Spontaneous Combustion can occur in the dryer after the dryer stops due to high heat and no airflow.

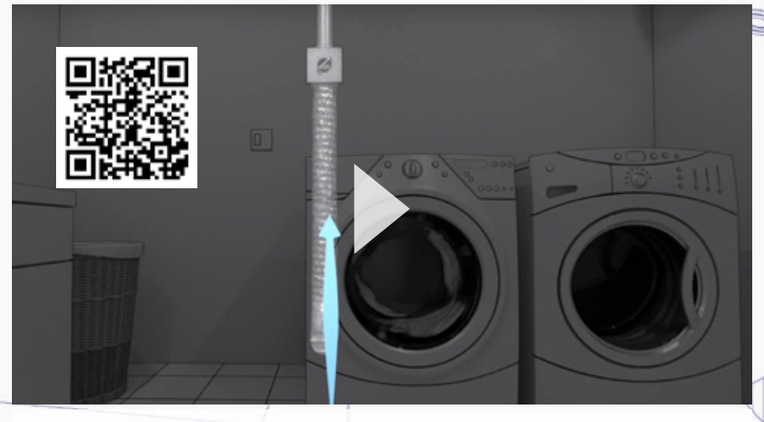
The DEDPV-705 continues to operate for a short period of time after the dryer stops which cools the clothes and lessens the risk of spontaneous combustion.

Dryers don't have an indicator to tell if there is a build up of lint in the duct.

A safety feature of the DBF4XLT and DEDPV-705 is a visual indicator panel. This provides the user with a visual indication of correct operation or indication of a pressure increase due to a blocked duct. This advanced warning allows the user to take action to clean the dryer exhaust duct.

Most dryers are limited to a duct run of 35.'

Using the DEDPV-705, or Dryer Exhaust Duct Power Ventilators, can increase the duct run up to 125 feet, as the fan relieves the pressure in the extended duct allowing the dryer to work efficiently.



Only **YOU** can prevent dryer fires

Even though you probably clean the screen in your dryer out after every use, lint still manages to work its way out and builds up in the ductwork. It is highly flammable and the most likely culprit in a fire started by your dyer. While regular maintenance is still vital for a healthy length of duct, Fantech's dryer exhaust fans are designed to give an extra kick to the warm, moist air and lint trapped in the duct.

Calculate Your Duct Runs*

The DEDPV-705 & DPV 22-2 fan is rated up to **130 feet** in duct length for dryer applications. In general, duct runs frequently exceed the 25 equivalent feet that many dryer manufacturers set as a standard maximum length. For every 90 degree elbow, add 5 additional feet of duct length and for 45 degree elbow add 2.5 feet. The paragraph below illustrates how the duct length can be calculated.

For example: If a 4" duct connection from a dryer to the roof vent is **65 linear feet** with **two** 90 degree elbows, then the total duct run is **75 feet.** As stated above, for every 90 degree elbow, 5 feet must be added to the total duct length. Fantech is well equipped to use a Dryer Exhaust Duct Power Ventilator meeting UL-705 Standard for this application.

Buy This Package

DEDPV-705/DPV 22-2
Dryer Exhaust Duct
Power Ventilator

AND

DBLT 4W
Lint Trap

AND

HS 4W
Exhaust Vent

Underwriters Laboratories (UL) has developed a supplement to UL705 specifically for fans used for dryer exhaust and has given these fans a the name:
Dryer Exhaust Duct
Power Ventilator (DEDPV).

Performance certified by Home Ventilating Institue (HVI) and safety certified by CSA C22.2 for DPV 22-2

*Example written based on residential code sited at https://codes.iccsafe.org/content/IRC2018/chapter-15-exhaust-systems

Fresh Air Appliances for Single and Multi-Family Homes

5

Thanks to space-age technology, your home can keep inside in and outside out more efficiently than ever before. But locking the fresh air out is a bad idea.

A fresh air appliance by Fantech will allow you to bring it all in without sacrificing the energy your home worked so hard to produce.

EXPERIENCE NATURE AT HOME

YOU'LL NEVER HAVE TO LEAVE YOUR HOUSE

fantech

The great outdoors isn't always... great. We've made it easy for you to enjoy the best part of nature (fresh air) at home. Crack open a can, sit back and enjoy the breeze.

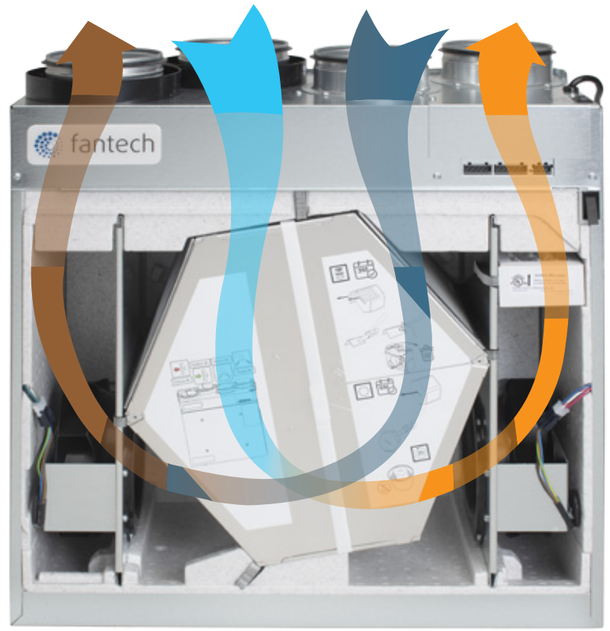
Available in three refreshing flavors.

Suitable for all ages. Enjoy responsibly.

How exactly does a HERO® Fresh Air Appliance work?

We cross the streams!

It's a simple process of exchanging energy from the unwanted, stale air with the clean, fresh air from outdoors.



- Stale air leaves the home
- Fresh air from outside
- Stale air from inside
- Fresh air enters the home

HERO 120H
110 cfm
41 lbs

HERO® Series
Fresh Air Appliance & HEPA Filtration Systems

Turn the page for details about our fresh air appliances

FRESH AIR IS OUR SUPER POWER

HERO® AND ATMO™ Fresh Air Appliance

Partners in Fresh Air

The HERO and ATMO Series are the most powerful partners in your fight against indoor air quality villains. These appliances are engineered with powerful performance in mind.

HERO®

This fresh air appliance provides a controlled way of ventilating a home without excessive heat losses.

HERO 120H
110 cfm
41 lbs

HERO 150H
160 cfm
56 lbs

HERO 200H
220 cfm
59 lbs

HERO 150H-EC
175 cfm
51 lbs

HERO 250H-EC
265 cfm
56 lbs

CFM tested at 0.4Ps

NEW ATMO™

Controlled ventilation ensures home occupants receive the highest level of comfort.

Appliances with Energy Recovery

ATMO 150E
161 cfm
47 lbs

ATMO 200E
201 cfm
57 lbs

Appliances with Heat Recovery

ATMO 150H
150 cfm
49 lbs

ATMO 200H
191 cfm
60 lbs

CFM tested at 0.4Ps

Something Old and Something New

The Legacy Series is a timeless take on the fresh air appliance.

Our Legacy Series is a fresh air appliance in its simplest form. They are built with a timeless design that ensures you get the best out of your fresh air appliance.

VER 100, 150, 200*
with Energy Recovery

SHR 260RD
with Energy Recovery

SER 260D
with Energy Recovery

SHR 150R
with Energy Recovery

VHR 70
with Heat Recovery

VHR 70R ES
with Heat Recovery

FLEX® 100H
with Heat Recovery

All products come with a mounting bracket.

Appliances with Energy Recovery

SER 260D	VER 100	VER 150	VER 200
239 cfm	124 cfm	159 cfm	170 cfm
80 lbs	36 lbs	39 lbs	53 lbs

Appliances with Heat Recovery

SHR 150R	SHR 200R	SHR 260RD	VHR 70R ES	VHR 70	FLEX® 100H
159 cfm	195 cfm	267 cfm	70 cfm	57 cfm	104 cfm
50 lbs	65 lbs	90 lbs	33 lbs	31 lbs	43 lbs

Adding a MERV13 filter box can add wellness value to your home.

FB 6
Filter Box

Fits? You bet.

The low profile **FIT® 70E** is ideally suited for condos, apartments and single family homes that have no mechanical room, where it must be located within a false ceiling.

FIT 70E
Fresh Air Appliance with Energy Recovery

The energy recovery core at the center of the unit transfers heat and moisture from the incoming air to the outgoing air that was cooled and dried by the building's air conditioner.

- Ideal for apartment buildings and false ceiling applications
- Superior heat and/or energy transfer capability in a smaller package
- All serviceable internal components such as a core, filters, fans and electronic board are easily accessible and can be fully removed
- No drain required
- Removable quick connect terminals provide easy & convenient electrical connection
- 5 year limited warranty on energy recovery core, 7 year limited motor warranty, 5 year limited warranty on component parts

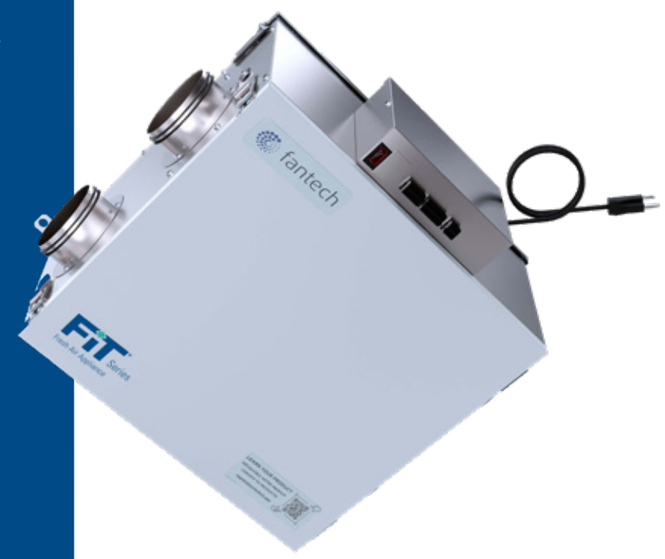
ECO-Feel® Auto IAQ Control
ECO-Feel is a multi-function controller with a Total Volatile Organic Compound (TVOC) sensor that allows the Fit 70E to operate around resident's needs.

See p. 127

NEW

Fresh Air Appliances Plan & Spec Projects

Designed to FIT®



FIT 70E
with Energy Recovery
70 cfm
32 lbs

FIT 120E
with Energy Recovery
106 cfm
42 lbs

Coming 2023

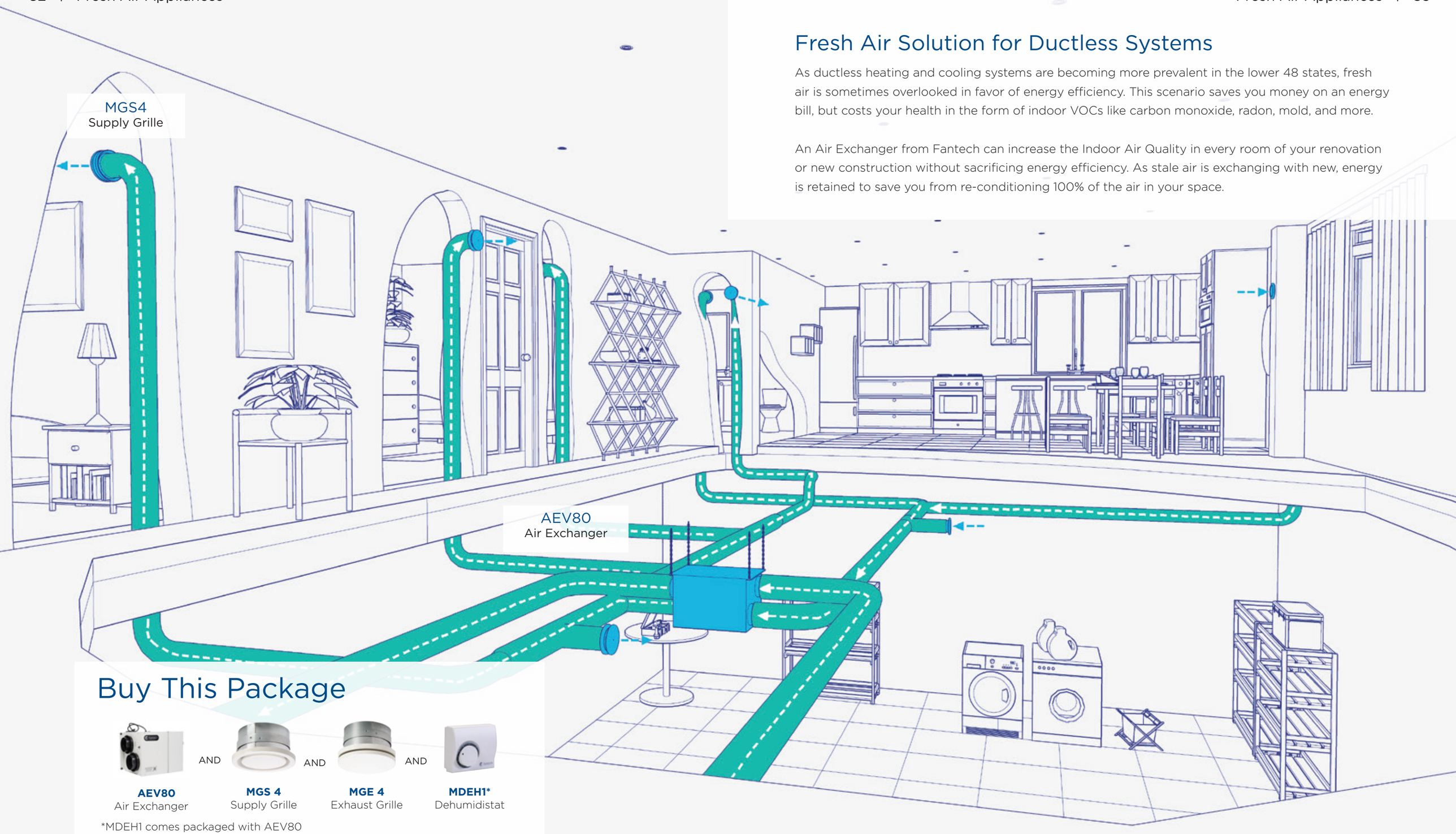
FIT 120E-D
with Energy Recovery
127 cfm
35 lbs

FIT 120E-D-EC
with Energy Recovery
130 cfm
35 lbs

Fresh Air Solution for Ductless Systems

As ductless heating and cooling systems are becoming more prevalent in the lower 48 states, fresh air is sometimes overlooked in favor of energy efficiency. This scenario saves you money on an energy bill, but costs your health in the form of indoor VOCs like carbon monoxide, radon, mold, and more.

An Air Exchanger from Fantech can increase the Indoor Air Quality in every room of your renovation or new construction without sacrificing energy efficiency. As stale air is exchanging with new, energy is retained to save you from re-conditioning 100% of the air in your space.



Buy This Package

AEV80
Air Exchanger

AND

MGS 4
Supply Grille

AND

MGE 4
Exhaust Grille

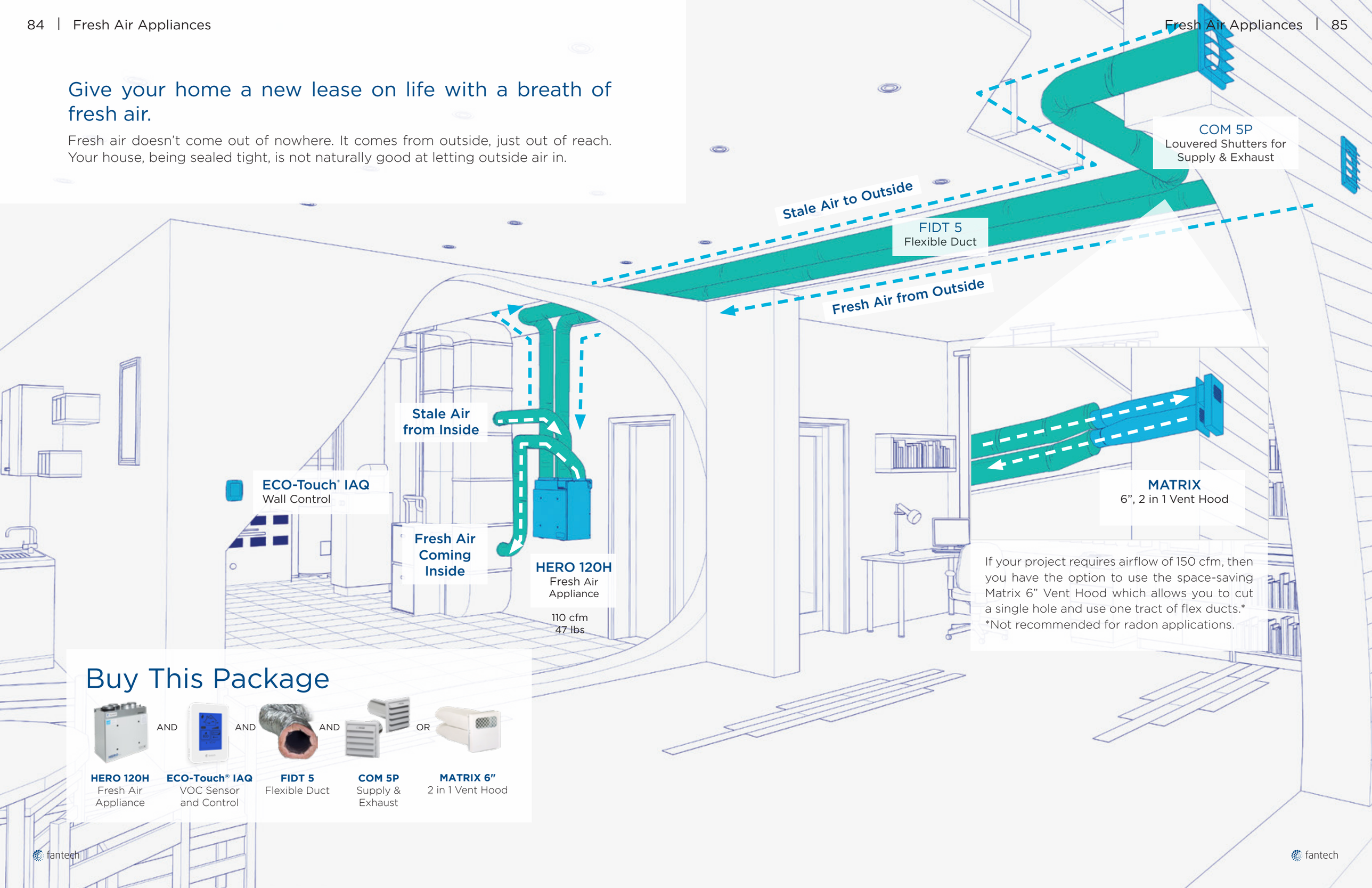
AND

MDEH1*
Dehumidistat

*MDEH1 comes packaged with AEV80

Give your home a new lease on life with a breath of fresh air.

Fresh air doesn't come out of nowhere. It comes from outside, just out of reach. Your house, being sealed tight, is not naturally good at letting outside air in.



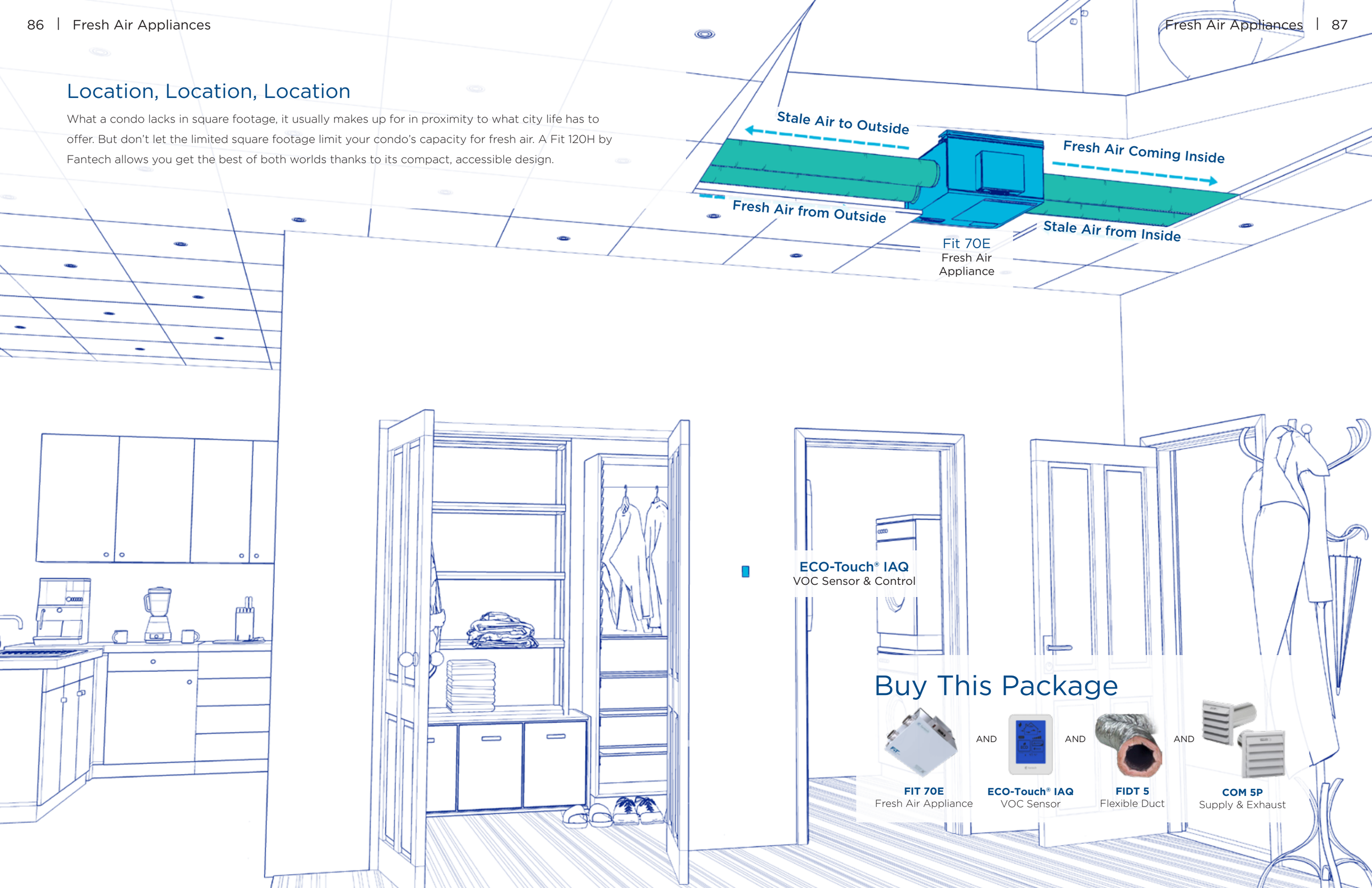
If your project requires airflow of 150 cfm, then you have the option to use the space-saving Matrix 6" Vent Hood which allows you to cut a single hole and use one tract of flex ducts.*
*Not recommended for radon applications.

Buy This Package

HERO 120H Fresh Air Appliance AND **ECO-Touch® IAQ** VOC Sensor and Control AND **FIDT 5** Flexible Duct AND **COM 5P** Supply & Exhaust OR **MATRIX 6"** 2 in 1 Vent Hood

Location, Location, Location

What a condo lacks in square footage, it usually makes up for in proximity to what city life has to offer. But don't let the limited square footage limit your condo's capacity for fresh air. A Fit 120H by Fantech allows you get the best of both worlds thanks to its compact, accessible design.



Buy This Package

FIT 70E
Fresh Air Appliance

AND

ECO-Touch® IAQ
VOC Sensor

AND

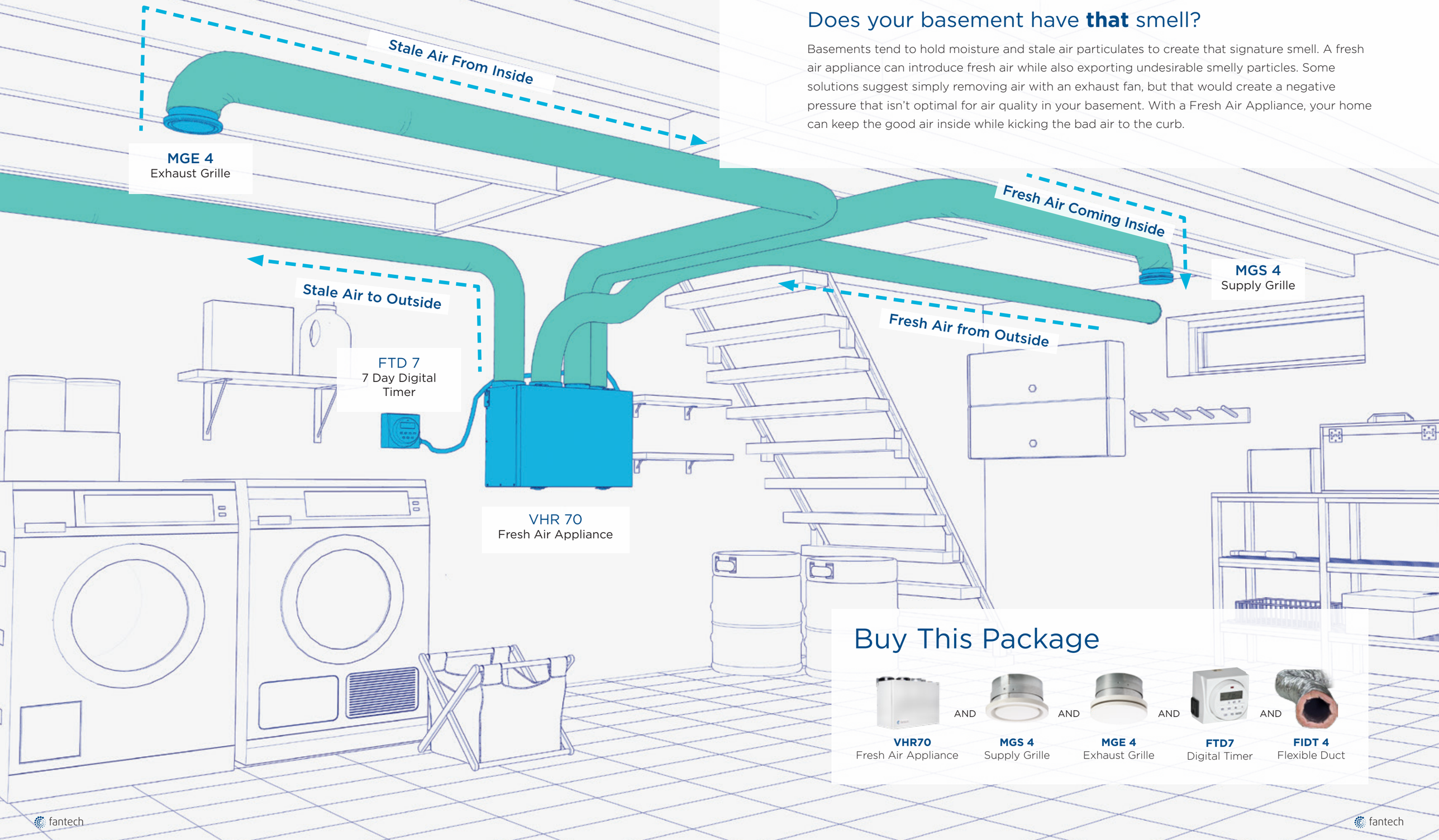
FIDT 5
Flexible Duct

AND

COM 5P
Supply & Exhaust

Does your basement have **that** smell?

Basements tend to hold moisture and stale air particulates to create that signature smell. A fresh air appliance can introduce fresh air while also exporting undesirable smelly particles. Some solutions suggest simply removing air with an exhaust fan, but that would create a negative pressure that isn't optimal for air quality in your basement. With a Fresh Air Appliance, your home can keep the good air inside while kicking the bad air to the curb.



Buy This Package

VHR70
Fresh Air Appliance

AND

MGS 4
Supply Grille

AND

MGE 4
Exhaust Grille

AND

FTD7
Digital Timer

AND

FIDT 4
Flexible Duct

Light Commercial Fresh Air Appliances

6

Light commercial applications need high quality, reliable fresh air ventilators as well. Fantech offers a full range of ERV and HRVs to support light commercials applications up to 2,800 CFM.

SHR & SER Series

Fresh Air Appliances for Light Commercial and Large Residential

In a light commercial setting or a large home with 7+ bedrooms, a parlor room, and a home theater, you don't know where to start with traditional fresh air solutions. Fantech keeps your job simple no matter the scale of your project. These large fresh air appliances help you consolidate your fresh air needs in one convenient machine for light commercial or large residential needs.

SHR 450, 700, 800, 1200, 1400
with Heat Recovery

SER 450, 700, 1100, 1300
with Energy Recovery

SHR 450 465 cfm 146 lbs	**SHR 700** 723 cfm 215 lbs	**SHR 800** 794 cfm 158 lbs	**SHR 1200** 1219 cfm 252 lbs	**SHR 1400** 1428 cfm 236 lbs
SER 450 468 cfm 132 lbs	**SER 700** 707 cfm 169 lbs	**SER 1100** 1179 cfm 210 lbs	**SER 1300** 1300 cfm 207 lbs	

Smart Air on Tap

The **ECO-touch® IAQ** is the **FIRST** integrated VOC-sensing controller on the market. The original **ECO-touch** was designed to transform a Fantech HRV or ERV into a true Fresh Air Appliance and smart features have taken the ultimate Fresh Air Solution to the next level.

ECO Mode + Auto IAQ

The signature mode of the original ECO-touch is alive and well. But now ECO-touch is utilizing advanced sensory technology to create the first controller on the market that can automatically adjust air flow when VOCs are detected. From cooking fumes to smelly garbage, your Fresh Air Appliance is on Auto-Pilot.

Compatibility

New or old, your system configuration may be compatible with the new and improved controller as long as it has the RV-CTRL board with the 5 pin terminal block.

New Look

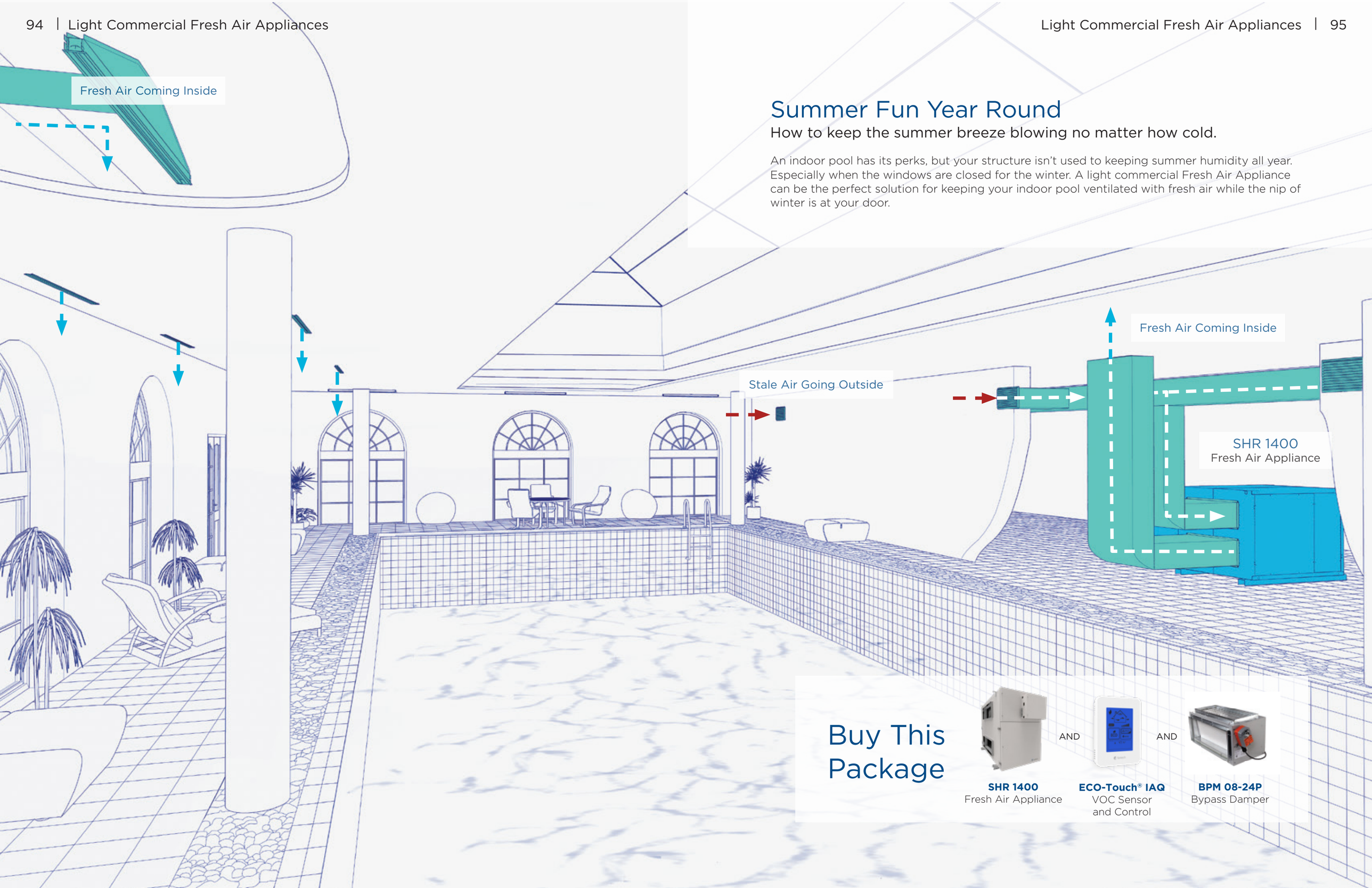
A sleek bezel and touch display will seamlessly blend into your modern home or project.

Learn more about ECO-touch's ultimate partner at **fantech.net/HERO**

Summer Fun Year Round

How to keep the summer breeze blowing no matter how cold.

An indoor pool has its perks, but your structure isn't used to keeping summer humidity all year. Especially when the windows are closed for the winter. A light commercial Fresh Air Appliance can be the perfect solution for keeping your indoor pool ventilated with fresh air while the nip of winter is at your door.



Buy This Package

SHR 1400
Fresh Air Appliance

AND

ECO-Touch® IAQ
VOC Sensor and Control

AND

BPM 08-24P
Bypass Damper

Filtration

7

You filter your water and wash your food because you understand the importance of purity in something so important to your day to day wellness. You can live 2 days without water, but you can only live a few minutes without air. Shouldn't we treat air with even more respect based on our hierarchy of needs?

An in-home air filter system helps improve the wellness value of your home by scrubbing 99.9% of air that goes through your furnace or air conditioner.

HERO® HS300
FILTERS EVERYTHING*

Even if you're constantly introducing fresh air into your home, there are still unwanted particles of dander, dust, odors and pollen that can be treated. A HEPA grade solution is the best way to address common household contaminents.

*The HS300 captures 99.97% of particles

HERO® HS300 & PHS300
Filtration Solutions

Air. The stuff that everyone breathes. But is it something you've ever thought about? It's not only important to your survival, it's also the single largest component of our lives. That's why we built two HEPA filtration systems for all of your needs.

2000 sq.ft.
These filtration systems are designed to clean and filter the air in a 2000 square foot space every hour.

Plug & Play
Both models come with a 5-ft power cord. With easy-to-reach filters, service and maintenance is simple.

HERO HS300
280 cfm
28 lbs

Variability
These systems can be used in a variety of applications. The HERO® HS300 can be wall mounted while the PHS300 can be moved by the wheels and placed on just about any floor.

PHS300
280 cfm
28 lbs

A FILTRATION SYSTEM IS ONLY AS GOOD AS ITS FILTER.

HERO HS300 HEPA
Replacement Filter 463048

HERO HS300 Carbon/MERV8
Replacement Filter 463046

Replacements Available

Ensure a properly functioning ventilator by replacing your filters and prefilters according to the recomendation on the package.

Worried a filter might bog down your HVAC? Don't be!

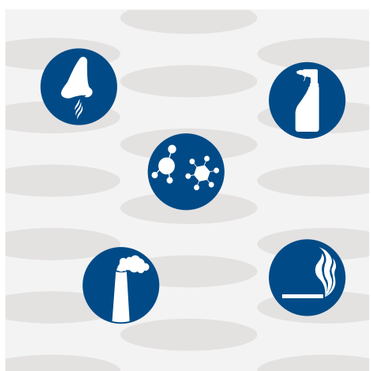
Fantech's HEPA Filtration Systems are equipped with a 240 CFM motor that ensures your HVAC isn't being asked to take on an extra load it can't handle.

With 3 step filtration, every breath you take is fresh air.

Activated Carbon Filter

Removes gaseous compounds such as odors and VOCs

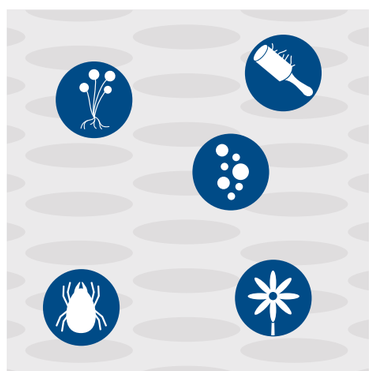
- Smoke
- Gases
- Odors
- VOCs
- Cleaning Chemicals



MERV 8 Filter

Collects 90% of particles between 3 - 10 microns

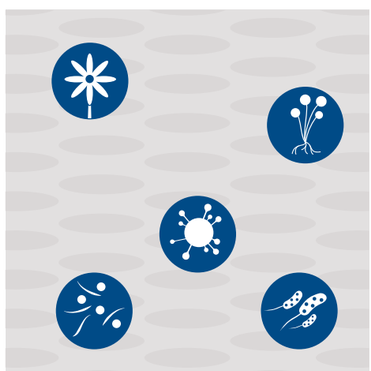
- Dust
- Dust Mites
- Lint
- Pollen
- Mold



HEPA Filter

Traps 99.997% of airborn particles as small as 3 microns

- Viruses
- Bacteria
- Allergens
- Pollen
- Mold

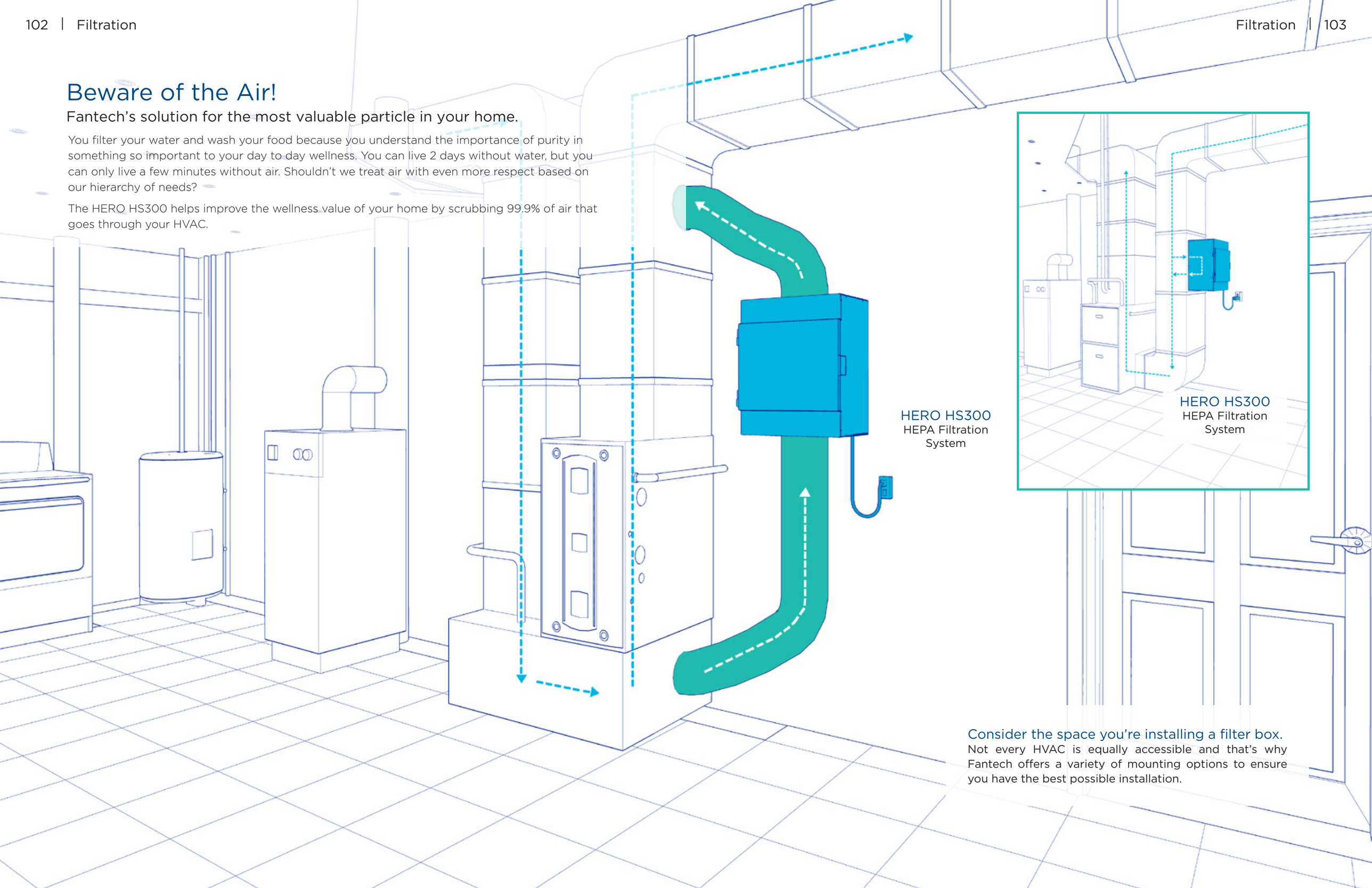


Beware of the Air!

Fantech's solution for the most valuable particle in your home.

You filter your water and wash your food because you understand the importance of purity in something so important to your day to day wellness. You can live 2 days without water, but you can only live a few minutes without air. Shouldn't we treat air with even more respect based on our hierarchy of needs?

The HERO HS300 helps improve the wellness value of your home by scrubbing 99.9% of air that goes through your HVAC.



HERO HS300
HEPA Filtration
System

HERO HS300
HEPA Filtration
System

Consider the space you're installing a filter box.

Not every HVAC is equally accessible and that's why Fantech offers a variety of mounting options to ensure you have the best possible installation.

Kitchens

8

The magic really happens in the kitchen. This is where Grandma bakes her cookies, where Mom makes her lasagna, and where Timmy chows down with his soccer pals after practice. More and more, modern homes are turning their focus to the kitchen for entertainment rather than their flat screens.

Fantech offers a variety of solutions to help you create a quieter, healthier kitchen experience to be remembered for years to come.

True Makeup Air System for a Single Family Home

Ducted Components

Duct Silencer

Provides ducted sound attenuation between makeup air fan and the location of makeup air delivery to the home.

Duct Heater (optional)

Controlled via discharge air temperature, the heater automatically varies its modulating heat output to deliver air at the temperature set point, even as the air flow rate and outdoor air temperature vary.

Makeup Air Fan

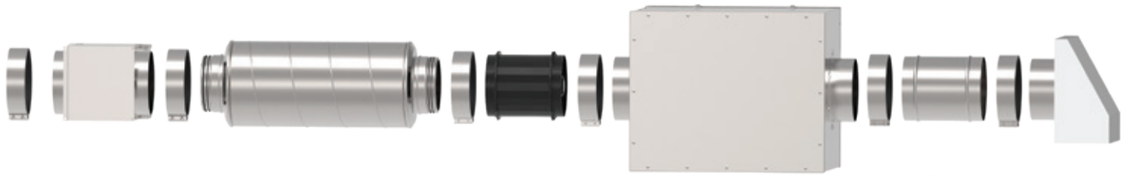
ECM fan is automatically speed-controlled by the makeup air system controller.

Fast Clamp

Lined with neoprene to give a vibration-absorbing, tight fit.

Filter Cassette

MERV 10 filter removes contaminants including legionella, auto emissions and welding fumes and milled flour, in addition to bigger particles including pollen and dust mites. Replace on demand with a new one (#483710).



Shut-off Damper

Normally closed, motorized damper is open only when makeup air system is operating.

Wall Intake Hood

Air inlet to makeup air system; includes bug screen.

Why do I need an active makeup air system for my kitchen?

Every time an exhaust fan removes air from your house, an equal volume of air must enter. The air that enters cracks in a home's envelope to replace air that is exhausted is called makeup air. Two existing building practices affecting makeup air are causing increasing problems for homeowners: homes are getting tighter, and trendy multiple burner stoves require more powerful range hoods to exhaust heat and moisture.

So where does a powerful range-hood get its makeup air? If the house doesn't have enough random air leaks around windows, doors, and mudsills, the makeup air is often pulled backwards through water-heater flues or down wood-burning chimneys — a phenomenon called backdrafting. Since the flue gases of some combustion appliances can include carbon monoxide, backdrafting is dangerous. In some cases, it can be life-threatening.

In newly engineered homes with range hoods over 400 CFM, there is a new code dictating air replenishment. Although this code has been on the books since 2009, inpectors are now enforcing it.

- Residential kitchen hood liners for use with remote-located exhaust fans
- Sturdy, galvanized steel structure with elegant stainless steel fascia
- Stainless steel baffle filters can be easily removed for cleaning

Courtesy of Corbett and Grace Lunsford

Makeup Air System (MUAS)

Why do we need makeup air?

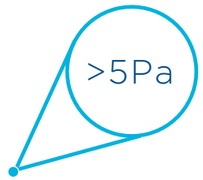
In a nutshell - we would otherwise have problems. Today's homes are built to be more energy-efficient. "Tighter" construction resists the infiltration of outdoor air through the home's exterior, which limits the amount of makeup air the home will permit.

Of course, you can only exhaust out from the home as much air as is able to come back in. Without makeup air, even a powerful exhaust fan can only remove as much air from the home as is permitted via infiltration.

When an exhaust fan operates without sufficient makeup air, some undesirable results can occur:

The exhaust system will not work to its intended capacity

Kitchen hood exhaust systems are sized to remove cooking-generated heat, odors and contaminants based on the cooking equipment's dimensions and heat rating. Inadequate makeup air can prevent a kitchen hood exhaust system from adequately removing contaminants.



Backdrafting of chimneys and appliance vents

Insufficient makeup air will result in depressurization in the home. Depressurization works to halt the flow of hearth and appliance combustion products from exiting the home. This "backdrafting" can result in a dangerous accumulation of harmful gases in the home. Studies by the Building Performance Institute (BPI) and Residential Energy Services Network (RESNET) have shown that as little as 5 Pa (0.02" w.g.) depressurization can cause backdrafting.

Non-compliance with the US and Canadian building codes

In the U.S., the construction industry has long recognized the need for adequate makeup air for exhaust systems. Beginning in 2009 and in every version since, the International Residential Code (IRC) has required that makeup air be provided for kitchen hood exhaust systems with capacity of 400 cfm or greater.

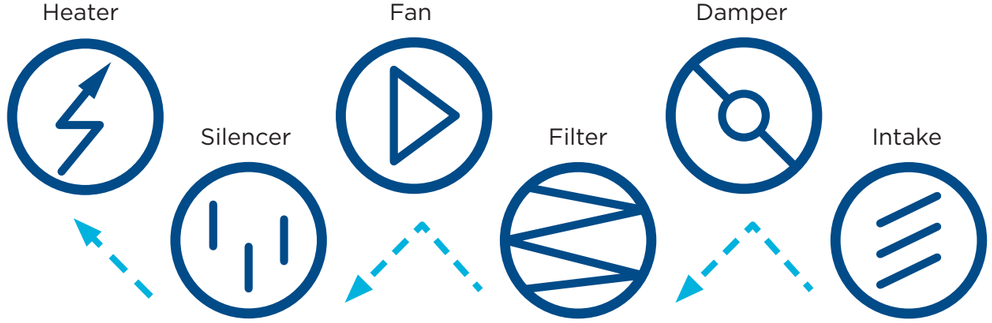
Canada's National Building Code has a section entitled, Protection Against Depressurization. Essentially, any exhaust device operating at a higher airflow rate than the normal operating exhaust capacity for the dwelling shall have provision for make-up air.

White paper available

SPECIFIERS: Visit our website at fantech.net to view our Independent Engineering White Paper, Residential Exhaust Makeup Air: Explanations and Solutions, which explains why active makeup air is the only proper solution for your customers.

The Working Functions Of A MUAS

Here is a graphic look at how air moves through a Makeup Air System.



Fantech Makeup Air Controller (FMAC)

The patented FMAC is the brains of the makeup air system. While the compensated exhaust system is operating, the makeup air fan supplies air at a rate necessary to maintain the desired building pressure scheme as set up by the installer. The makeup air flow rate automatically and infinitely varies proportionally with the speed at which the exhaust is operated by the homeowner. A neutral (balanced) pressure scheme is common, but the installer can also employ a slightly positive or negative pressure scheme should he desire.

The FMAC includes a current transducer, system controller, transformer, and a NEMA electrical enclosure.

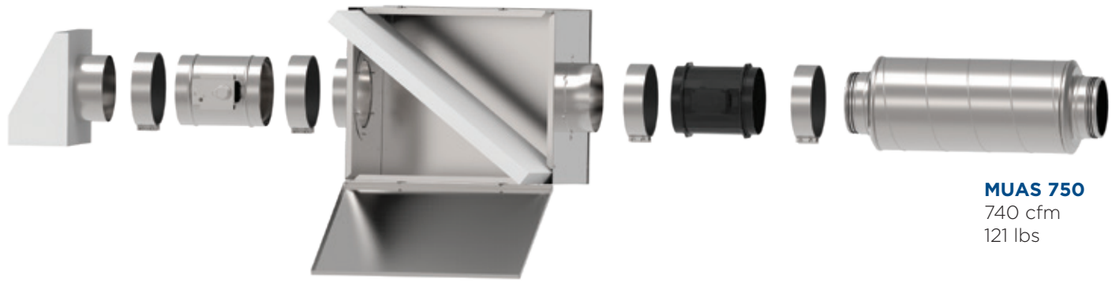
You could always open a window...

It's true that if you have a large enough opening, air will natually let itself back in. But that isn't ideal for 12 months a year.

MUAS that fits your home

The MUAS is a powered, fresh air supply system that's ideal to balance the outgoing vented air from a 400+ CFM range hood required by the IRC. This solution is designed for residential kitchen supply systems that have exhaust needs of up to 750 CFM. The MUAS includes all system component items except a heater (optional accessory), wiring, duct work, insulation and electrical disconnect.

MUAS 705 is compatible with prioAIR® 8 exhaust fan



MUAS 750
740 cfm
121 lbs

Fantech Makeup Air System advantages at glance:

- Automatic, infinitely modulating air flow in proportion to the exhaust
- Particulate matter is filtered from the outdoor air before it is delivered to the home
- Since it is fan-forced, makeup air can be ducted to where it can be most suitably delivered to the home
- Cold outdoor air can be tempered with optional MUAH heater kits
- MUAS can be set up by the installer for a variety of pressure schemes: -slightly negative, slightly positive, or balanced
- MUAS provides the EXACT amount of air needed - no more, no less
- Complies with the building code

Choose a Hood Liner

Hood Liner • HL Series

HL Series Hood Liners are compatible with most custom cabinet hood designs (as depicted in the cover photo of this brochure). HL Series hood liners feature an attractive stainless steel fascia supported by a sturdy, galvanized steel housing. Once surrounded by a hood, only the stainless steel fascia and baffle filters are visible. The stainless steel baffle filters are easily removed for cleaning. The liners feature high quality machined aluminum knobs for lighting and fan controls. The dimmable halogen lights illuminate the cooking area with a spectrum of light that meets the expectations of even the most discriminating chefs.

- Residential kitchen hood liners for use with remote-located exhaust fans
- Sturdy, galvanized steel structure with elegant stainless steel fascia
- Stainless steel baffle filters can be easily removed for cleaning

HL 30	HL 36	HL 42	HL 48
8 inch	8 inch	10 inch	10 inch
21 lbs	25 lbs	28 lbs	31 lbs

Control the speed with EC-10VHL

The EC-10VHL potentiometer controls the fan speed of range hood fans via a stepless control signal. The required supply voltage is 10 VDC which is provided as onboard power on Fantech EC products.

EC-10VHL
1 lbs

REGISTER TODAY

fantech.net/register

Gain easy access to filters and accessories to keep your kitchen exhaust at its peak performance.

? Can I use a Makeup Air System with multiple exhaust fans?
You can not. The Makeup Air System is designed to work in conjunction with one kitchen exhaust range hood / fan only.

Adapt To Your Unique Tastes*

You can select whatever style range hood cover you like and pair it with an aptly sized hoodliner from Fantech.

*Pun intended

Kitchen Exhaust Accessories

Roof cap RC. P with damper flap closure, duct connection and screened exhaust opening. Dia.: 8" thru 12".

RC8P	RC10P	RC12P
6 lbs	12 lbs	13 lbs

Backdraft dampers RSK for circular ducts prevent the infiltration of outside air when system not operating. Dia.: 8" thru 14".

RSK 8	RSK 10	RSK 12
1 lbs	1 lbs	2 lbs

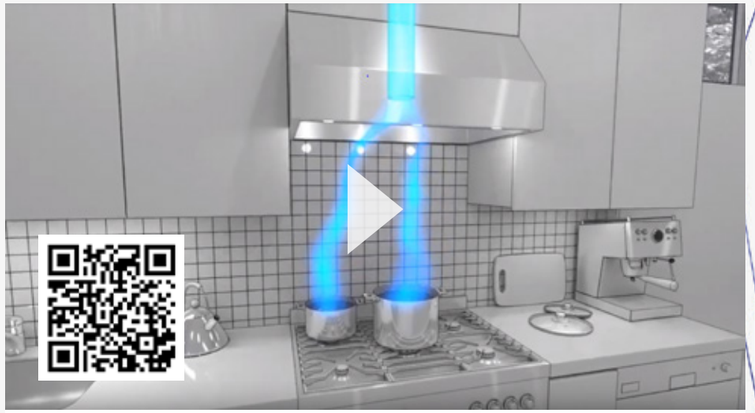
Mounting clamps FC help facilitate the installation and removal of fans for service and cleaning. Dia.: 8" thru 14".

FC 8	FC 10	FC 12	FC 14
2 lbs	2 lbs	3 lbs	4 lbs

Silencers LD for circular ducts are fitted with a gasket collar and are compatible with most hard duct. Verify fit and use transitions as necessary.

LD 8	LD 10	LD 12	LD 14
17 lbs	30 lbs	30 lbs	71 lbs

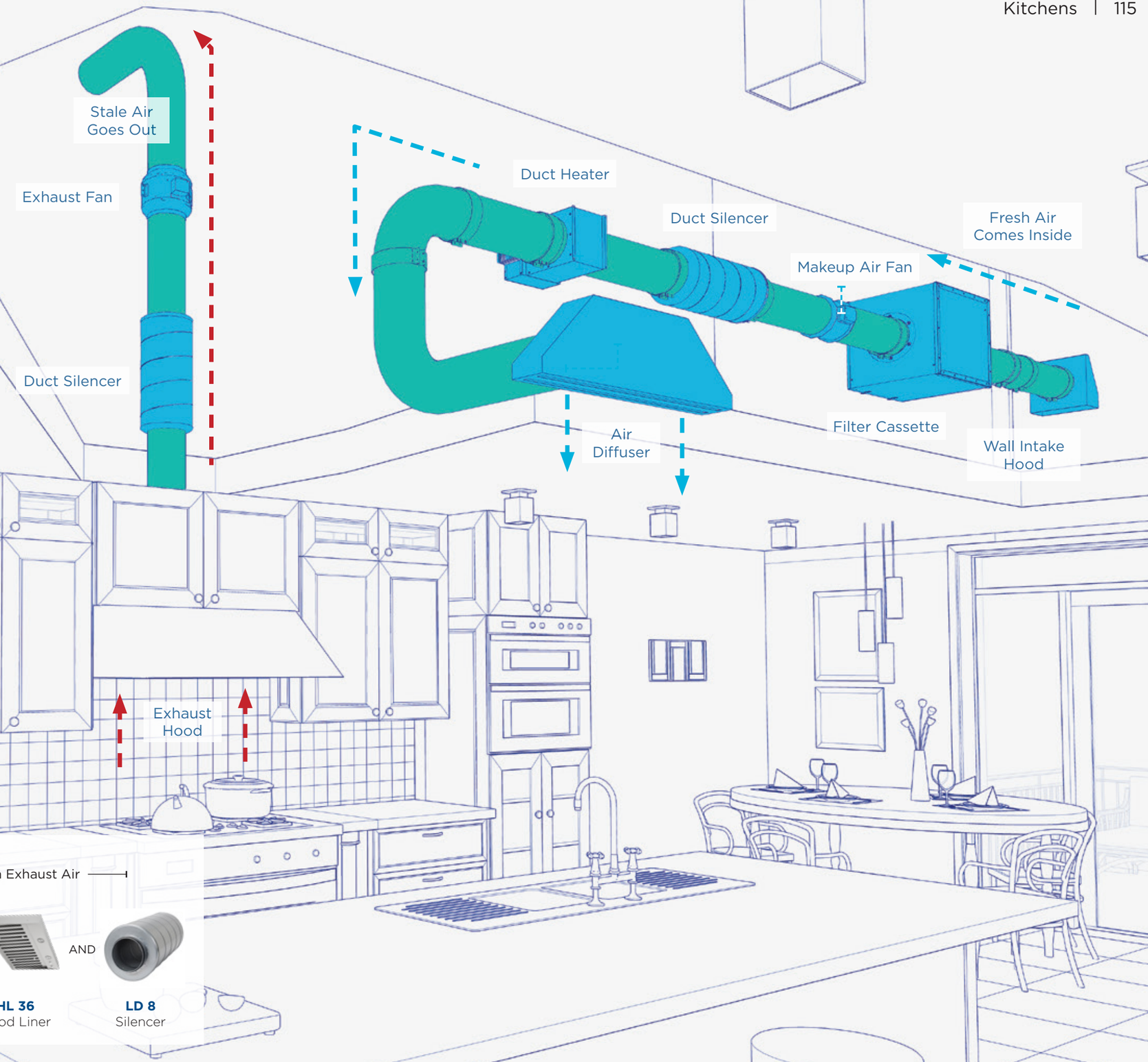
? What is the purpose of a silencer and when do I need to use one?
The Fantech LD silencer reduces the "perceived" noise of a kitchen ventilation system by 50-60%. This is particularly important when the airflow rate is generally high (300+ cfm).



Your kitchen might be choking under the pressure

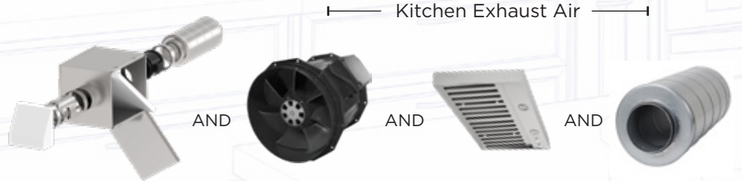
Does cooking a good meal take your breath away? Maybe it's not the steak, maybe it's your kitchen exhaust expelling all the good smells out of the kitchen.

Fantech's makeup air system automatically replenishes lost air as needed to ensure your kitchen is happy and full even when the master chef is busy at work.



Buy This Package

Kitchen Supply Air — Kitchen Exhaust Air



MUAS 750
Makeup Air System

AND

prioAIR® 8
Inline Fan

AND

HL 36
Hood Liner

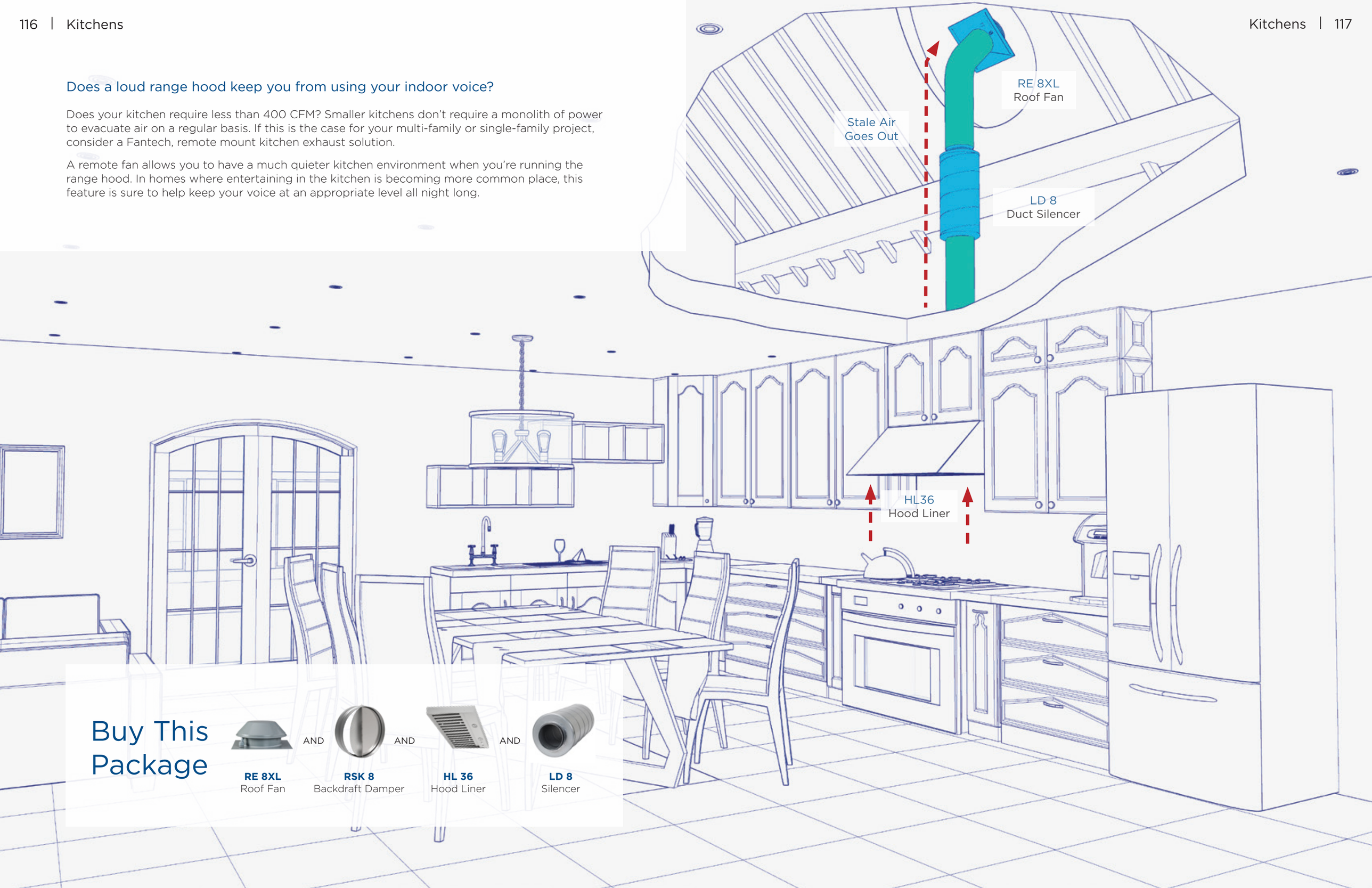
AND

LD 8
Silencer

Does a loud range hood keep you from using your indoor voice?

Does your kitchen require less than 400 CFM? Smaller kitchens don't require a monolith of power to evacuate air on a regular basis. If this is the case for your multi-family or single-family project, consider a Fantech, remote mount kitchen exhaust solution.

A remote fan allows you to have a much quieter kitchen environment when you're running the range hood. In homes where entertaining in the kitchen is becoming more common place, this feature is sure to help keep your voice at an appropriate level all night long.



Buy This Package

 AND AND AND

RE 8XL
Roof Fan

RSK 8
Backdraft Damper

HL 36
Hood Liner

LD 8
Silencer

Accessories

9

Fantech has everything you need to finish the job and then some! Our premium products are taken to the next level when paired with the perfect accessory. See what Fantech has in store for your premium project or build.

ACCESSORIES FOR EVERY PROJECT

Give your projects the perfect touch.

Choose from a range of beautiful and pracitcal accessories designed to complement your ventilation solution.

No build is complete without accessories. Don’t say we didn’t warn you.

Bathroom Ventilation

Ceiling Grilles and Bulbs for Premium Bath Fans

PBV

Ceiling Grille and Housing

Includes damper and four hange bars. Fits between 2x6 construction. Available in 4 and 6 inch duct sizes

PBV4
3 lbs

PBV6
3 lbs

PBL

Ceiling Grille and Housing with a dimmable LED light

Includes damper, four hanger bars, and a dimmable 10W LED bulb. Fits between 2x6 construction. Available in 4 inch duct size.

PBL74
4 lbs

PBL10-4
5 lbs

PBB

Replacement Bulbs for PBL and PBH grilles

PBB 7L LED bulbs (7W) and PBB 10L LED bulbs (11W). Use with PB(W)xxL10 bathroom fans and PBL 10 ceiling grilles. All replacement packs include 6 bulbs.

PBB50 is a dimmable halogen bulb, GU10 base, wet location. Use with PB(W) 110H, PB 270H-2, PB 270HV-2 bathroom fans and PBH ceiling grilles.

PBB 10L
6 LED pack

Sensing Switches and Condition Control

IPHS5
120V
1 lbs

IPHS5

Automatic Humidity Sensor

Detects excess humidity in a room and activates the ventilation fan or fan with light to lessen condensation which helps reduce mold and mildew.

FAT10

Attic Thermostat

Thermostat for use with attic ventilation systems. Adjustable between 80º and 130º F.

FAT10
120 V
1 lbs

ACCS

AC Current Sensing Switch

Current sensing switch relay. 120V, 2.5 A.

ACCS
120 V
1 lbs

FH20

Dehumidistat

Wall mounted dehumidistat. Adjustable between 20% and 80% relative humidity. A white powder-coated finish. Voltage 120V.

FH 20
120 V
.5 lbs

Bathroom Switches and Timers

FD 60EM

Bathroom Timer

Electronic push button timer. Select from 10, 20, 30 and 60 minute timed operation of fan. Fits standard single gang box. Ideal for multiple switching locations. Three panel colors. Switch plate not included.

FD60EM
120 V
1 lbs

FLD 60

Bathroom Light/Fan Switch

Designed as a replacement for the bathroom fan and light switch. By using a microprocessor to monitor and control fan operation, a precise amount of ventilation can be provided. Allows continuous operation of the fan for up to 1 hour after light switch is turned off.

FLD 60
120 V
1 lbs

FTD 7

7 Day Digital Timer

7-day timer incorporates a LCD (liquid crystal display) which accurately displays the time of day in an AM/PM format. There are 8 possible “on/off” combinations that can be programmed. For security purposes, the timer has an additional feature that allows for a random variation of 2 to 32 minutes for each “on” and “off” time from the actual time programmed.

FTD7
120 V
1 lbs

Switches and Controls for Ventilation

Speed Control for AC-motor Fans

WC 15

Multipurpose Speed Control

Rotary type variable speed controller with on/off switch is designed for mounting in a 2" X 4" electrical wall box. Important features, such as RFI (radio frequency interference) filter, minimum speed trimpot, and built-in On/Off Line Switch are standard. All leads are approximately 6" long and stripped 1/2". Brushed aluminum switch plate and screws included. Fits standard single gang box.

WC 15
120 V, 5A max
1 lbs

RPE

Multipurpose Speed Control

Heavy duty rotary type variable speed controller with on/off switch. The product is designed for mounting in a wall. Important features, such as RFI (radio frequency interference) filter, Minimum speed trimpot, and built-in On/Off Line Switch are standard. All leads are approximately 6" long and stripped 1/2".

RPE 10
120 V, 10A max
1 lbs

RPE 15
120 V, 15A max
1 lbs

RPE 210
230V/1, 10A max
1 lbs

Switches and Controls for Ventilation

Controls for EC-motor Fans

EC-10V & EC-10VHL

Speed Control for EC fans

May be surface mounted for manual speed control of all EC-motor fan models. 10k, 1 gang box, decora mount. Input is 12Vdc / Output is 0-12Vdc. (EC-10VHL: speed control for hoodliners - EC fans only)

EC-10V & EC-10VHL
0-12 Vdc
1 lbs

Speed control selection guide

Solid State Speed Control[1] for AC-motor Fans				
Model	**Type**	**Voltage, V**	**Current, A**	**Use With Fan Models**
WC 15	Rotary w/ On-Off	120	5	AC-motor fans with 100% speed-controllable motors. Fan models include PB & PBW bath fans, prioAir (AC models), RVF, FG, FR, CVS, FKD, RE(C), FADE, FRD, and FSD
RPE 10	Rotary w/ On-Off	120	10	
RPE 15	Rotary w/ On-Off	120	15	
RPE 210	Rotary w/ On-Off	230	10	

[1] Select speed control model for correct voltage and sufficient current capacity.
[2] Some commercial fan model sizes require speed control with greater current capacity (amperage) than is available with these accessory speed control models. Speed control for such fan model sizes must be furnished by others
[3] Not all 2SHE models are compatible with speed control; check specific fan model for suitability.

Switches and Controls for Ventilation

Controls for Heat and Energy Recovery Ventilators

EDF8

Electronic Multifunction Dehumidistat

An electronic multifunction dehumidistat that is compatible with all Fantech's HRV/ERVs*. These controls have 3 possible modes of operations: Ventilation mode, Recirculation mode and Standby.

In AUTO Mode, the EDF8 will activate normal speed ventilation when the indoor relative humidity is above the desired set point. During summer, the AUTO Mode can be deactivated to lower energy consumption. Shipping Class 1.

- Desired relative humidity set point
- User selected speed: Low, Medium, Normal and 20 min/hr
- LCD Backlit screen
- Summer mode allows user to deactivate dehumidistat
- Indoor relative humidity is displayed
- No battery to replace

EDF8
1 lbs

ECO-Touch® IAQ

Programmable Wall Control

The ECO-touch® IAQ is the FIRST integrated VOC-sensing controller on the market. The original ECO-touch was designed to transform a Fantech HRV or ERV into a true Fresh Air Appliance and smart features have taken the ultimate Fresh Air Solution to the next level.

- Auto IAQ boosts ventilation when elevated VOCs are sensed
- Preferences for desired indoor relative humidity
- Ventilation movement is displayed on LCD backlit touch screen
- 20 minute ventilation / 40 minute recirculation mode

ECO-Touch® IAQ
1 lbs

MDEH1

Low Voltage Dehumidistat

2-wire low voltage dehumidistat control with rotary dial. Just turn the dial to set the humidity level. Multiple units can be used with Fantech fresh air appliances. Install in bathrooms, kitchen or laundry for easy access.

MDEH1
0.5 lbs

RTS-W + ECO-Touch® IAQ*

Wireless Timer Switch

RTS-W connects wirlessly to an ECO-Touch® IAQ for remote ventilation solutions such as a bathroom.
*ECO-Touch® IAQ must be purchased separately

RTSW
1 lbs

RTS

Pushbutton Timer

The pushbutton timer is compatible with Fantech SHR, VHR and SER series models. The button activates the system to run in continuous mode for a period of time, it then returns to the predetermined setting. To cancel this operation, simply press the button a second time.

RTS2
20 min
1 lbs

RTS4
20/40/60 min
1 lbs

RTS5
20/40/60 min
1 lbs

EDF3

Electronic controller, multi-function, push button

The EDF3 activates the system in 3 possible modes of operation: ECONO; 20 MIN/H 20 minutes ON, 40 minutess OFF intermittent (Yellow); CONT high speed; and OFF (Standby mode, both fans off).

EDF3
1 lbs

Application-specific Ventilation Accessories

Residential-capacity Dryer Exhaust

DBLT 4W
Lint Trap for Dryer Exhaust Fans

The lint trap box is equipped with a screen that filters the air that feeds into the dryer exhaust fan. The screen catches any airborne lint in the ductwork that isn't caught by the dryer's lint screen. The less lint accumulation, the better your dryer performs. Even if you're cleaning the lint trap once a month, it's a good idea to look through its window to make sure the filter isn't full. DBLT 4W is made of galvanized metal sheet and fits a 4 inch duct. The device can be used when the duct length between dryer and exhaust fan is between 5 and 15 linear (not equivalent) feet.

DBLT4W
2 lbs

DB10
Pressure Switch

Automatic pressure switch (120V) allows for fully automatic operation of dryer exhaust fan. Fan runs for 10 minutes when positive pressure is sensed in the duct line then shuts off and turns on again as needed.

DB10
120 VAC
2 lbs

Radon Mitigation Systems

LDVI® Bulk Packs
Radon Specific Couplings

Complete your Radon system with a pair of Fantech's new LDVI® (Low Durometer Vibration Isolating) couplings. Designed specifically for radon mitigation applications, our patent pending LDVI couplings are molded with a softer, more flexible (low durometer) material as compared to standard plumbing couplings, making installation easier, while providing superior vibration isolation.

LDVI couplings are designed to work with both 3" and 4" PVC pipe connections and can be used to enhance the performance of ANY radon fan on the market.

LDVI® 4x3	LDVI® 6x4	LDVI® 4x4	LDVI® 6x3
54 Pieces	40 Pieces	36 Pieces	40 Pieces
40 lbs	37 lbs	28 lbs	37 lbs

FRIK Rn Installation Pack
Single System Install Pack

Included in the FRIK kit is a pair of our LDVI® couplings, U-tube manometer, and radon system labels.

	FRIK 4x3	FRIK 4X4	FRIK 6X3	FRIK 6X4
Rn1	X	X	-	-
Rn2	X	X	-	-
Rn2EC	X	X	-	-
Rn3	-	-	X	X

Accessories for Ducted Air Systems

Indoor Grilles

MGS
Metal Supply Grille

This grille has a shielding device for producing a directional distribution pattern and has an adjustable gap grilles. The grille is manufactured from sheet metal with a white powder-coated finish. Available in 4, 5, 6, and 8 inch duct sizes.

- Easy installation either into the mounting frame or directly onto the duct
- For supply and exhaust air
- The airflow is adjusted by rotating the plate

MGS 4	MGS 5	MGS 6	MGS 8
1 lbs	2 lbs	2 lbs	3 lbs

MGE
Metal Exhaust Grille

An exhaust diffuser for installation on ceiling or wall. It can also be used for supply air. The diffuser has a lockable central cone, which is rotated to adjust the pressure and consequently the air volume. Can be used for supply air. Available in 4, 5, 6, and 8 inch duct sizes.

- Easy installation either into the mounting frame or directly onto the duct
- For supply and exhaust air
- The airflow is adjusted by rotating the valve cone

MGE 4	MGE 5	MGE 6	MGE 8
1 lbs	2 lbs	2 lbs	3 lbs

DGD
Designer Exhaust Grille

A low profile, fixed circular plastic exhaust grille. Included with the grille is a matching diameter galvanized mounting collar with nailing strip. For vertical installation only. DGD models come with collar and back draft damper. Available in 4 and 6 inch duct sizes.

DGD 4	DGD 6
1 lbs	1 lbs

DG
Designer Exhaust Grille

A low profile, fixed circular plastic exhaust grille. Included with the grille is a matching diameter galvanized mounting collar with nailing strip. DG models with collar for easy installation. Available in 4 and 6 inch duct sizes.

DG 4	DG 6
1 lbs	1 lbs

CG
Contour Grille

Grilles are manufactured of flame retardant, polypropylene that resist yellowing. White matte finish can be painted to match walls or ceiling. Available in 4, 5, and 6 inch duct sizes.

- Easy installation either into the mounting frame or directly onto the duct
- For supply and exhaust air
- The airflow is adjusted by rotating the valve cone

CG 4	CG 5	CG 6
1 lbs	1 lbs	1 lbs

Mounting Bracket
For Fresh Air Appliances

An easy to use wall mounting alternative for select Fresh Air Appliances that typically use chains.

426466	428471	422998
VHR 150\VER 150	VER 100	SHR 200R
1.5 lbs	1.5 lbs	1.5 lbs

426466
VER 200 / SER 150 / SHR 150R-200R
1.5 lbs

426466	428471	422998
VHR 150\VER 150	VER 100	SHR 200R
1.5 lbs	1.5 lbs	1.5 lbs

Accessories for Ducted Air Systems

Duct and Duct-mounted Components

FIDT
Insulated Flex Duct

Flexible round insulated duct. The insulation provides greater thermal efficiency to save energy. The product is also covered in a heavy duty, silver jacket for durability. The duct is UL listed. Available in 25-foot lengths. Available in 4, 5, 6, 8, and 10 inch duct sizes.

FIDT 4	FIDT 5	FIDT 6	FIDT 8	FIDT 10
6 lbs	7 lbs	9 lbs	25 lbs	14 lbs

FEL 4
4" Elbow

Heavy-duty plastic 90º mounting collar/elbow for use in 2×4 stud walls. With half-inch drywall lip already set, just nail in place and connect duct. Low depth profile makes this elbow the perfect solution for sidewall ventilation within a wall partition. Suitable for 4-inch ducts.

FEL 4
1 lbs

FC
Mounting Clamps

Mounting clips which facilitate the installation and removal of fans for service and cleaning. Made from galvanized sheet metal and fitted with an 1/3" neoprene lining which suppresses vibration and ensures a tight fit. The mounting clips are clamped together by two screws, which allow for connecting ducts with a marginal difference in diameter. Sold in pairs. Available in 4, 5, 6, 8, 10, and 12 inch duct sizes.

FC 4	FC 5	FC 6	FC 8	FC 10	FC 12	FC 14
1 lbs	1 lbs	2 lbs	2 lbs	2 lbs	3 lbs	3 lbs

FY
Y-Connector for circular ducts

Made of galvanized sheet metal. Available in 4 x 4 x 4 in and 6 x 6 x4 in duct sizes.

FY 4	FY 5	FY 6	FY 644
1 lbs	2 lbs	2 lbs	2 lbs

Accessories for Ducted Air Systems

Inlets and Outlets

HS
Louvered Shutter for Exhaust

Plastic louvered shutter with duct connection. For exhaust air only. Used with premium bathroom fans or dryer exhaust. Available in 4 and 6 inch duct sizes.

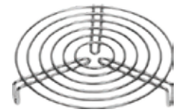
HS 4W	HS 6W
1 lbs	2 lbs

IG
Inlet Guard

Wire ring inlet guard used to prevent foreign objects from entering duct line. Zinc chromate plated steel. Available in 4, 5, 6, 8, 10, and 12 inch duct sizes.

IG 4	IG 5	IG 6
2 lbs	5 lbs	4 lbs

IG 8	IG 10	IG 12
5 lbs	7 lbs	11 lbs



COM
Supply and Exhaust Hoods

Pair of Supply and Exhaust hoods with metal collars. COM 4P thru 6P are manufactured from white plastic. COM6M is manufactured from metal. White painted housing. Available in 4, 5, and 6 inch duct sizes.

COM 4P	COM 5P	COM 6M	COM 6P
3 lbs	4 lbs	5 lbs	5 lbs

FML
Metal Hoods for Supply

A single prepainted aluminum hood with a white powder-coated finish for supply and exhaust applications. Equipped with a bug screen. Available in 4, 10, 12, and 14 inch duct sizes.

FML 8	FML 10	FML 12	FML 14
2 lbs	2 lbs	2 lbs	3 lbs

RC P
Roof Cap

Roof Cap with backdraft damper, duct connection and screened exhaust opening. Available in 4, 5, 6, 8, 10, and 12 inch duct sizes.

RC 4P	RC 5P	RC 6P	RC 8P	RC 10P	RC 12P
3 lbs	3 lbs	4 lbs	6 lbs	12 lbs	13 lbs

Accessories for Ducted Air Systems

Duct and Duct-mounted Components

LD

Silencer for circular ducts

Easily-fitted silencer for circular ducts,fitted with a connection, which is compatible with a standard spiral duct. The LD effectively reduces noise in the duct. Two silencers can be used together in installations where noise reduction is critical. For the most effective noise reduction, the silencer should be fitted immediately behind a fan or bend. Available in 4, 5, 6, 8, 10, 12, 14, and 16 inch duct sizes.

- Insulation thickness 2 inches

LD 4	LD 5	LD 6	LD 8	LD 10
11 lbs	12 lbs	15 lbs	17 lbs	30 lbs

LD 12	LD 14	LD 16
40 lbs	71 lbs	94 lbs

RSK

Backdraft Damper

Backdraft damper for circular ducts, manufactured from galvanized sheet metal. The two blades are spring-loaded. Every damper is built with performance in mind. The damper can be mounted vertically and horizontally. Available in 4, 5, 6, 8, 10, and 12 inch duct sizes.

RSK 4	RSK 5	RSK 6	RSK 8	RSK 10	RSK 12
1 lbs	1 lbs	1 lbs	1 lbs	1 lbs	2 lbs

FGR

Filter Cassette

FGR Filter Cassette with a MERV 5 filter removes contaminants such as mold, spores, hair spray, cement duct, snuff, and powdered milk. Easily access and replace filter as needed.

FGR 8	FGR 10	FGR 12
MERV 5	MERV 5	MERV 5
7 lbs	7 lbs	9 lbs

FGR RFP

Replacement Filter Packs

A pack of supply air filters for filter cassettes FGR. Shipping class 1.

FGR 8/10 RFP	FGR 12 RFP	FGR 12/14HV RFP
MERV 6	MERV 6	MERV 10
6-pack, 3 lbs	6-pack, 3 lbs	12-pack, 15 lbs

ADC

24vac Motor with Spring-Return Actuator

Shut-off damper ADC is a shut-off damper. The damper is provided with 24V AC motor with spring return actuator. Positive closure is provided by a tight seal. Available in 4, 6, 8, 10, 12, and 14 inch duct sizes.

- Power Open Spring Closed (POSC)

ADC 4	ADC 6	ADC 8	ADC 10	ADC 12	ADC 14
2 lbs	3 lbs	4 lbs	5 lbs	6 lbs	10 lbs

Accessories for Ducted Air Systems

Duct and Duct-mounted Components

IR

Iris Damper

The Iris Damper is the ideal device for measuring and adjusting airflow through a duct. The design of the adjustable aperture ensures low turbulence resulting in minimal self-generated noise. The damper is manufactured from galvanized sheet metal and is fitted with a rubber seal tested for air-tightness.

Protective install distance

- before bends - 1 x D
- after“ - 1 x D
- before T-pipes - 3 x D
- after “ - 1 x D
- before supply-air devices - 3 x D

D=damper diameter

IR 4	IR 5	IR 6	IR 8
2 lbs	5 lbs	4 lbs	5 lbs

IR 10	IR 12	IR 16
7 lbs	11 lbs	12 lbs

Replacement Filters

HS300 Carbon/MERV8
Replacement Filter
463046

1 piece
2 lbs

HS300 HEPA
Replacement Filter
463048

1 piece
2 lbs

Compatible with FB 6

Filter Box

FBRF6
1 piece
1 lbs

Compatible with HERO HS300

Filter Boxes

Technical Specifications

10

Stay organized and select the perfect products for your project. The project planner makes life easier. If you have further questions about the project planner vist fantech.net or call your local Fantech rep.

Residential Fresh Air Apliance

Specifications w/Heat Recovery Top Port

VHR 70
VHR 70R ES

Flex® 100H

HERO®

HERO 120H
HERO 150H
HERO 150H-EC
HERO 200H
HERO 250H-EC

Model	VHR 70	VHR 70R ES	Flex® 100H	HERO 120H	HERO 150H	HERO 200H	HERO 150H-EC	HERO 250H-EC
Duct connection	4"	5"	5"	6"	6"	6"	6"	6"
CFM (0.4 Ps)	57	70	104	110	160	220	175	265
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	20V / 1
Consumed Power (Low/High)	42/48W	35/60W	89/172W	69/165W	59/180W	98/210W	23/110W	34/260W
Fan Efficacy @ 0°C/32°F	1.6	1.2	0.7	1.0	1.2	0.9	3.0	2.5
[1]Apparent Sensible Recovery Efficiency @ 0°C/32°F	70%	74%	70%	89%	90%	90%	89%	88%
[1]Sensible Recovery Efficiency @ 0°C/32°F	63%	65%	60%	81%	81%	80%	84%	82%
[1]Sensible Recovery Efficiency @ -25°C/-13°F	57%	62%	56%	65%	65%	67%	68%	63%
Meets ENERGY STAR® Requirements	-	Yes	-	Yes	Yes	Yes	Yes	Yes
Max Current	0.4A	1.1A	1.6A	1.2A	1.4A	2.0A	3.0A	6.4A
Shipping weight	26 lbs	30 lbs	39 lbs	41 lbs	51 lbs	59 lbs	51 lbs	57 lbs
Shipping class	1	1	1	1	1	1	1	1

[1]Performance at low speed.

Dimensions (inches)

Model	VHR 70	VHR 70R ES	Flex® 100H	HERO 120H	HERO 150H	HERO 200H	HERO 150H-EC	HERO 250H-EC
Height	17 1/8"	17 3/8"	17 7/8"	24 1/4"	24 7/8"	24 7/8"	24 7/8"	24 7/8"
Width	21 1/2"	21 1/2"	21 1/2"	23 1/4"	27 7/8"	27 7/8"	27 7/8"	27 7/8"
Depth	10 1/4"	10 1/4"	14 1/2"	11 1/2"	13 3/8"	15 3/8"	13 3/8"	15 3/8"

Residential Fresh Air Apliance

Specifications w/Heat Recovery Side Port

SHR 150R
SHR 200R
SHR 260RD

ATMO™

ATMO 150H
ATMO 200H

Model	SHR 150R	SHR 200R	SHR 260RD	ATMO 150H	ATMO 200H
Duct connection	6"	6"	8"	6"	6"
CFM (0.4 Ps)	159	195	267	150	191
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Consumed Power (Low/High)	73/156W	82/240W	136/300W	54/168W	50/168W
Fan Efficacy @ 0°C/32°F	1.2	0.9	0.9	1.2	1.3
[1]Apparent Sensible Recovery Efficiency @ 0°C/32°F	79%	71%	77%	81%	83%
[1]Sensible Recovery Efficiency @ 0°C/32°F	66%	65%	66%	75%	75%
[1]Sensible Recovery Efficiency @ -25°C/-13°F	60%	63%	67%	60%	60%
Meets ENERGY STAR® Requirements	-	-	-	-	Yes
Max Current	1.6A	2.3A	2.5A	1.4A	1.4A
Shipping weight	49 lbs	62 lbs	80 lbs	47 lbs	53 lbs
Shipping class	1	1	1	1	1

[1]Performance at low speed.

Dimensions (inches)

Model	SHR 150R	SHR 200R	SHR 260RD	ATMO 150H	ATMO 200H
Height	16 1/4"	20 1/2"	22 3/4"	21 7/16"	21 7/16"
Width	28"	32 1/4"	32 7/8"	23 7/8"	23 7/8"
Depth	17 1/4"	17 1/4"	25 1/8"	11 11/16"	16 5/8"

Residential Fresh Air Appliance

Specifications w/Energy Recovery

VER 100
VER 150
VER 200

SER 260D

Model	VER 100	VER 150	VER 200	SER 260D
Duct connection	5"	6"	6"	6"
CFM (0.4 Ps)	124	159	170	239
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1
Consumed Power (Low/High)	80/172W	88/172W	68/187W	163/300W
Fan Efficacy @ 0°C/32°F	0.6	0.9	1.3	1.0
[12]Heating Effectiveness Sensible/Latent/Total (%)	63/47/58	62/44/55	75/61/70	73/58/68
[12]Cooling Effectiveness Sensible/Latent/Total (%)	63/43/51	62/40/50	75/58/64	73/54/61
Max Current	1.6A	1.6A	1.24A	2.5A
Shipping weight	32 lbs	42 lbs	53 lbs	80 lbs
Shipping class	1	1	1	1

[1]Performance at low speed.
[2]Effectiveness data for VER & SER Series published data relating to AHRI 1060 Standards

Dimensions (inches)

Model	VER 100	VER 150	VER 200	SER 260D
Height	17 7/8	18 1/2	22 11/16	20 1/2
Width	22 1/2	23 3/4	28	32 7/8
Depth	15	17 3/16	17	25 1/4

Residential Fresh Air Appliance

Specifications w/Energy Recovery

ATMO™

ATMO 150H
ATMO 200H

FiT

FIT 70E

COMING 2023

Model	ATMO 150E	ATMO 200E	FIT 70E	FIT 120E	FIT 120E-D	FIT 120E-D-EC
Duct connection	6"	6"	4"	5"	5"	5"
CFM (0.4 Ps)	161	201	70	106	-	-
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Consumed Power (Low/High)	50/168W	52/168W	40/58W	45/120W	45/120W	23/147W
Fan Efficacy @ 0°C/32°F	1.3	1.3	1.3	1.1	1.1	2.2
[1]Apparent Sensible Recovery @ 0°C/32°F	84%	84%	78%	81%	81%	80%
[1]Sensible Recovery Efficiency @ 0°C/32°F	75%	75%	70%	74%	74%	77%
[1]Sensible Recovery Efficiency @ -25°C/-13°F	60%	60%	34%	61%	61%	61%
[1]Total Recovery Efficiency @ 35°C/95°F	60%	65%	40%	64%	64%	70%
Max Current	1.4A	1.4A	0.6A	1.4A	1.4A	3A
Shipping weight	51 lbs	62 lbs	29 lbs	34 lbs	35	35
Shipping class	1	1	1	1	1	1

[1]Performance at low speed.

Dimensions (inches)

COMING 2023

Model	ATMO 150E	ATMO 200E	FIT 70E	FIT 120E	FIT 120E-D	FIT 120E-D-ED
Height	21 7/16	21 7/16	19 5/8	23 5/8	23 5/8	23 5/8
Width	23 7/8	23 7/8	21 1/2	24 5/8	25	25
Depth	11 11/16	16 5/8	10 3/8	10	10	10

FG Series

AC Fans

FG 4 FG 6 FG 8 FG 10 FG 12

AC Fans

Model	FG 4	FG 4XL	FG 5	FG 5XL	FG 6	FG 6M	FG 6XL
Duct connection	4″	4″	5″	6″	6″	6″	6″
CFM (0.2 Ps)	110	150	130	190	270	370	450
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Rated power	20W	72W	20W	74W	70W	120W	150W
Max amps	0.18A	0.75A	0.18A	0.76A	0.58A	1.02A	1.31A
Shipping weight	6 lbs	8 lbs	6 lbs	8 lbs	9 lbs	10 lbs	11 lbs
Shipping class	1	1	1	1	1	1	1

Model	FG 8	FG 8XL	FG 10	FG 10XL	FG 12XL
Duct connection	8″	8″	10″	10″	12″
CFM (0.2 Ps)	410	470	480	560	880
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Rated power	116W	137W	133W	190W	300W
Max amps	0.99A	1.32A	1.23A	2.24A	2.54A
Shipping weight	10 lbs	11 lbs	9 lbs	14 lbs	17 lbs
Shipping class	1	1	1	1	1

Dimensions (inches)

Model	A	C	D	E	F
FG 4	4	8 1/2	6 1/2	1	1
FG 4XL	4	9 3/4	6 15/16	1	1
FG 5	5	8 5/8	6 1/2	1	1
FG 5XL	5	9 3/4	6	1 1/8	1 1/8
FG 6	6	11 3/8	6 1/4	1	7/8
FG 6XL & FG 6M	6	13 1/8	7	1	1
FG 8	8	13 1/4	6	1	1
FG 8XL	8	13 1/4	6	1 1/8	1
FG 10	10	13 1/4	4 3/4	1 1/8	1
FG 10XL	10	13 1/4	4 13/16	1 1/4	1
FG 12XL	12	16	6 11/16	1 1/2	1

Learn more about product certifications at Fantech.net

FG Series

EC Fans

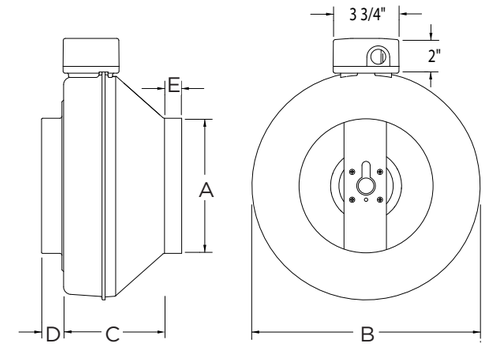
FG 4 XL EC FG 6M EC FG 8 EC FG 10 EC FG 12XL EC

EC Fans

Model	FG 4XL EC	FG 6M EC	FG 8 EC	FG 10 EC	FG 12XL EC
Duct connection	4″	6″	8″	10″	12″
CFM (0.2 Ps)	166	330	390	460	750
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Rated power	33W	74W	71W	93W	166W
Max amps	.48A	1.0A	0.50A	0.65A	1.16A
Shipping weight	6 lbs	11 lbs	11 lbs	12 lbs	16 lbs
Shipping class	1	1	1	1	1

Dimensions (inches)

Model	A	B	C	D	E
FG 4XL EC	4	8 1/2	6 1/2	1	1
FG 6M EC	6	13 1/8	7	1	1
FG 8 EC	8	13 1/4	6	1 1/8	1
FG 10 EC	10	13 1/4	4 3/4	1 1/8	1
FG 12XL EC	12	16	6 11/16	1 1/2	1



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FKD Series

AC Fans

Model	FKD 8XL/ KD 8XL	FKD 10/ KD10	FKD 10XL/ KD 10XL	FKD 12/ KD 12	FKD 12XL/ KD 12L	FKD 14	FKD 14XL	FKD 16	FKD 16XL	FKD 18
Duct connection	8"	10"	10"	12"	12"	14"	14"	16"	16"	18"
CFM (0.2 Ps)	778	848	1203	1245	1865	2010	2470	2758	4090	4213
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Rated power	318W	305W	484W	493W	487W	491W	727W	727W	1609W	1637W
Max amps	2.99A	0.66A	0.19A	0.68A	0.68A	1.02A	1.48A	6.39A	12.40A	12.04A
Shipping weight	19 lbs	18 lbs	24 lbs	23 lbs	42 lbs	47 lbs	51 lbs	50 lbs	134 lbs	132 lbs
Shipping class	1	1	1	1	1	1	1	1	1	1

Model	FKD 8XL/ KD 8XL	FKD 10/ KD 10	FKD 14	FKD 14XL	FKD 16XL	FKD 18XL	FKD 20
Duct connection	8"	10"	14"	14"	16"	18"	20"
CFM (0.2 Ps)	766	815	1818	2183	3558	5220	5345
Voltage / Phase	230V / 1	230V / 1	230V / 1	230V / 1	230V / 3	230V / 3	230V / 3
Rated power	319W	491W	491W	727W	1609W	2406W	2326W
Max amps	6.39A	12.40A	12.04A				
Shipping weight	19 lbs	18 lbs	42 lbs	51 lbs	75 lbs	149 lbs	153 lbs
Shipping class	1	1	1				

Dimensions (inches)

Model	A	A1	A2	B	C	D	E	F	G	H
FKD 8XL/KD 8XL	8	-	-	14	12 1/2	15 1/2	3/4	2 3/8	6 1/8	3/8
FKD 10/KD 10	10	-	-	14	12 1/2	15 1/2	3/4	2 3/8	5	3/8
FKD 10XL/KD 10XL	10	-	-	15 5/8	14	15	3/4	2 3/8	6 3/8	3/8
FKD 12/ KD 12	12	-	-	15 5/8	14	12 1/2	3/4	2 3/8	5 1/8	3/8
FKD 12XL/KD 12XL	12	12	14	20 1/4	17 7/8	18 7/8	7/8	4	8 3/4	3/8
FKD 14	14	12	14	20 1/4	17 7/8	17 1/4	1	1	6 3/4	3/8
FKD 14XL	14	14	16	22 1/8	19 3/4	20 1/4	1 1/2	1 1/2	8 3/4	3/8
FKD 16	16	14	16	22 1/8	19 3/4	18 3/4	1 1/2	1 1/2	7 1/8	3/8
FKD 16XL	16	16	18	24 3/8	22 1/8	23 1/4	1 1/4	1 1/4	8 1/2	1/2
FKD 18	18	16	18	24 3/8	22 1/8	21 3/4	1 1/4	7 7/8	7	1/2
FKD 18XL	17 5/8	17 5/8	19 5/8	28 1/2	26	27 1/4	1 3/4	7 7/8	10 1/2	1/2
FKD 20	19 5/8	17 5/8	19 5/8	28 1/2	26	27 1/4	1 3/4	7 7/8	10 1/2	1/2

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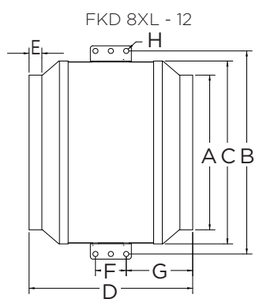
FKD Series

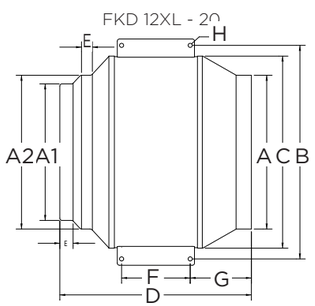
EC Fans

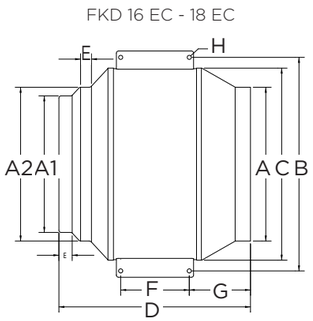
Model	FKD 16 EC	FKD 16XL EC	FKD 18 EC	FKD 20 EC
Duct connection	16"	16"	18"	20"
CFM (0.2 Ps)	4010	4016	5768	5840
Voltage / Phase	230V / 1	460V / 3	460V / 3	460V / 3
Rated power	1082W	1965W	1979W	2002W
Max amps	5..2A	4.3A	3.2A	3.2A
Shipping weight	75 lbs	75 lbs	98 lbs	99 lbs
Shipping class	2	2	2	2

Dimensions (inches)

Model	A	A1	A2	B	C	D	E	F	G	H
FKD 16 EC	16	14	16	22 1/8	19 3/4	18 3/4	1 1/2	1 1/2	7 1/8	3/8
FKD 16XL EC	16	16	18	24 3/8	22 1/8	23 1/4	1 1/4	1 1/4	8 1/2	1/2
FKD 18 EC	18	16	18	24 3/8	22 1/8	21 3/4	1 1/4	7 7/8	7	1/2
FKD 20 EC	20	18	20	30 3/8	28 1/8	27 3/4	2	7 7/8	12 1/2	1/2







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RVF Series

Exterior Mount Fans

Model	RVF 4	RVF 4XL	RVF 6	RVF 6XL	RVF 8XL
Duct Size	4″	4″	6″	6″	8″
CFM (0.1 Ps)	100	180	220	340	360
Rated Power	18W	91W	93W	148W	150W
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Max Amps	0.49A	0.79A	0.75A	1.32A	1.34A
Shipping Weight	8 lbs	8 lbs	10 lbs	14 lbs	14 lbs
Shipping Class	1	1	1	1	1

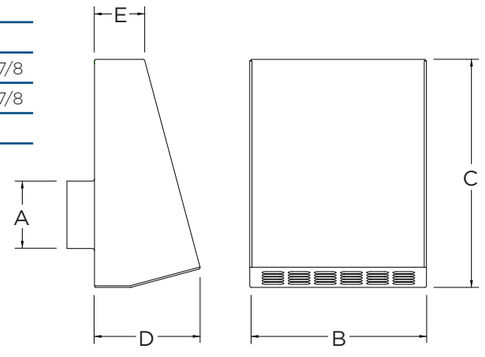
RVF 6

Model	RVF 6XL EC	RVF 10 EC
Duct Size	6″	10″
CFM (0.2 Ps)	362	830
Rated Power	69W	127W
Voltage / Phase	120V / 1	120V / 1
Max Amps	0.95A	1.65A
Shipping Weight	20 lbs	33 lbs
Shipping Class	1	1

RVF 10 EC

Dimensions (inches)

Model	A	B	C	D	E
RVF 4	4	10 1/4	13	6	2 3/4
RVF 6	6	10 1/4	13	6	2 3/4
RVF 6XL | RVF 6XL EC	6	14 1/4	17	6 | 8	2 3/4 | 4 7/8
RVF 8XL	8	14 1/4	17	6 | 8	2 3/4 | 4 7/8
RVF 10 EC	10	17 7/8	21 1/4	10	5 7/8



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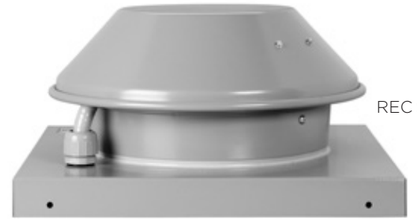
RE/REC Series

Roof Mount Fans

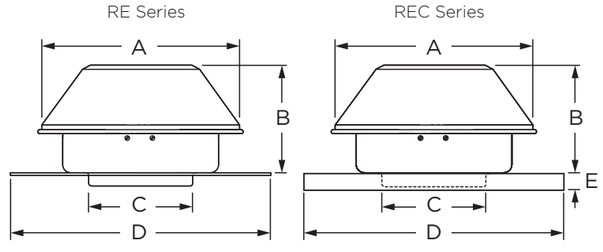


REC Series

Model	RE 54/REC 54	RE 6/ REC 6	RE 8XL/ REC 8XL	RE 10XL/REC 10XL	RE 10XLT/REC 10XLT
Duct Size	5″	6″	8″	10″	10″
CFM (0.0 Ps)	117	227	400	752	1009
Rated Power	18W	87W	139W	360W	526W
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Max Amps	0.18A	0.80A	1.40A	3.60A	4.86A
RPM (min^{-1})	3040	2700	2800	3250	2950
Shipping weight	11 lbs/12 lbs	12 lbs/14 lbs	17 lbs/19 lbs	30 lbs/29 lbs	33 lbs/35 lbs
Shipping class	1	1	1	1	1

Dimensions (inches)

Model	A	B	C	D	E [2]
RE 54 / REC 54	10 15/16	6	5	15 1/2	1 1/2
RE 6 / REC 6	13 15/16	6 1/4	6	15 1/2	1 1/2
RE 8XL / REC 8XL	16 9/16	5 15/16	8	20	1 1/2
RE 10XL / REC 10XL	20 13/16	11 1/2	10	20	1 1/2
RE 10XLT / REC 10XLT	20 13/16	12 11/16	10	20	1 1/2



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CVS Series

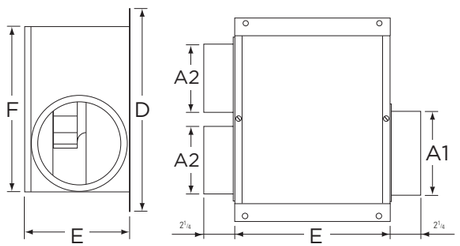
Multiport Fans

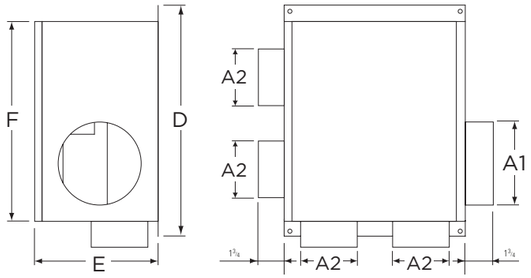
Model	CVS 275A	CVS 300A	CVS 400A
Duct Size	5″ / 6″	4″ / 6″	4″ / 6″
CFM (0.2 Ps)	220	320	380
Rated Power	92W	123W	156W
Voltage / Phase	120V / 1	120V / 1	120V / 1
Max Amps	0.79A	1.07A	1.41A
Shipping weight	13 lbs	18 lbs	20 lbs
Shipping class	1	1	1

CVS 400A

Dimensions (inches)

Model	A1	A2	C	D	E	F
CVS 275A	6	5	11	15	7 5/8	12
CVS 300A / CVS 400A	6	4	13	18 3/4	8 1/4	16





Grilles! Grilles! Grilles!

Fantech offers many grille designs for your unique wants and styles.

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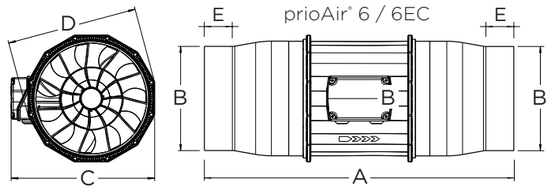
prioAIR®

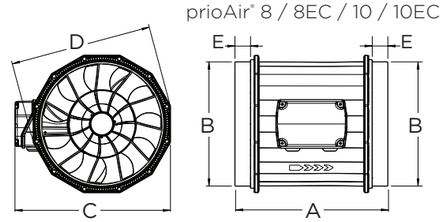
Inline Fans

Model	prioAir® 6	prioAir® 8	prioAir® 10
Voltage / Phase	120V/1	120V/1	120V/1
CFM (0.2 Ps)	252	606	1324
Rated Power	37W	96W	308W
Max Amps	0.31A	0.80A	2.59A
RPM min-1	2754	2899	2976
Duct connection	6″	8″	10″
Shipping weight	3	7	16
Shipping class	1	1	1

Dimensions (inches)

Model	A	B	C	D	E
prioAir® 6	16 3/16”	5 7/8”	8 1/4”	7 3/8”	1 5/8”
prioAir® 8	9 11/16”	7 7/8”	9 3/4”	9”	1”
prioAir® 10	11 11/16”	9 13/16”	11 15/16”	11 1/16”	1 3/16”





prioAir® 8

FR Series

AC Fans

FR 140

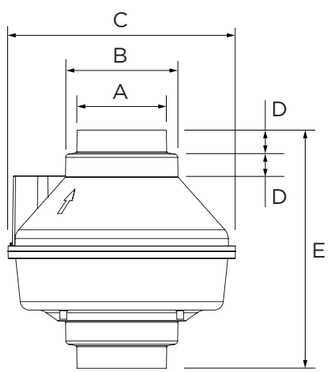
FR 100

Model	FR 100	FR 110	FR 125	FR 140	FR 150	FR 160
Duct Size	4"	4"	5"	6"	6"	6"
CFM (0.2 Ps)	120	160	130	240	280	290
Rated Power	20W	66W	20W	62W	68W	116W
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Max Amps	0.17A	0.72A	0.17A	0.53A	0.59A	0.99A
Shipping Weight	5 lbs	7 lbs	5 lbs	7 lbs	7 lbs	7 lbs
Shipping Class	1	1	1	1	1	1

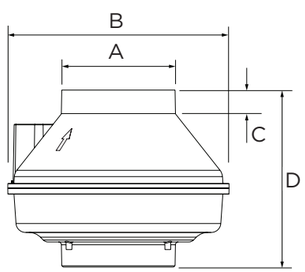
Dimensions (inches)

Model	A	B	C	D	E
FR 100 / 110	3 31/32	4 31/32	10	1	10 9/16
FR 125	5 31/32	3 31/32	9 3/8	1	-
FR 140 / 150	5 7/8	11 1/2	1 1/4	9 1/4	-
FR 160	5 7/8	11 1/2	1 1/4	9 1/4	-

FR 100/110/125



FR 140/150/160



Filtration Systems

Whole Home Filtration Solutions

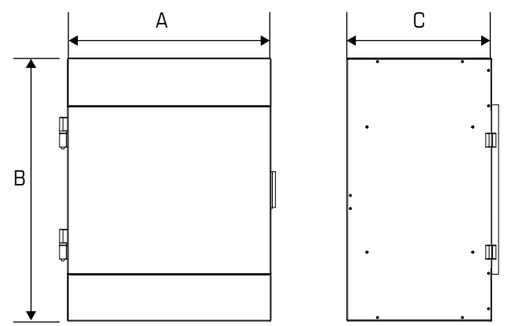
HERO HS300

PHS300

Model	HERO HS300	PHS300
Average airflow (0.4 Ps)	280	280
Duct connection	(2) 8"	-
Voltage / Phase	120V/1	120V/1
Rated power	180W	180W
Max amps	1.23A	1.23A
Dimmensions	17"x22"x12"	20"x16"x10.5"
Shipping weight	37 lbs	32 lbs
Shipping class	1	1

Dimensions (inches)

Model	A	B	C
HS300	17"	22"	12"
PHS300	17"	22"	12"



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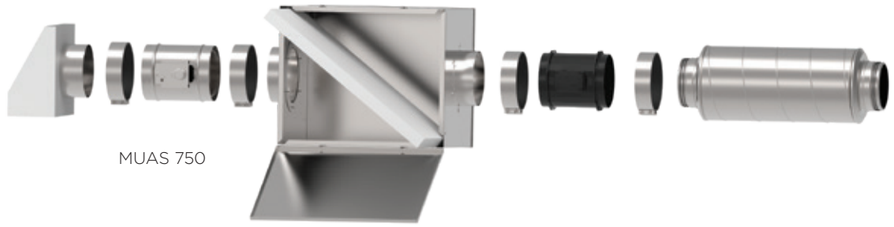
Makeup Air System 750

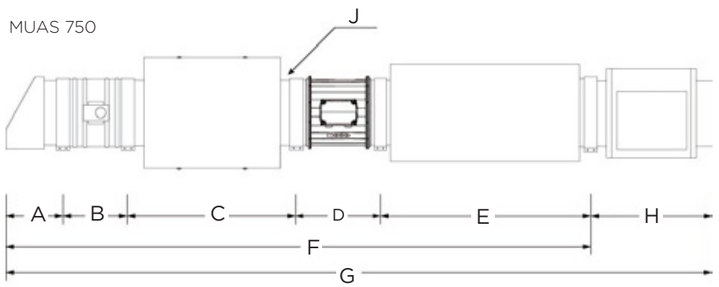


MUAS 750

Model	MUAS 750
Maximum Airflow Rate	750 cfm
Included FMAC Control	Yes
Shipping weight	121 lbs

Dimensions (inches)

Model	A	B	C	D	E	F	H (optional)	G	J	K
MUAS 750	10	10	30 1/2	7 7/8	26 5/8	85	14	99	8	-



Hoodliners

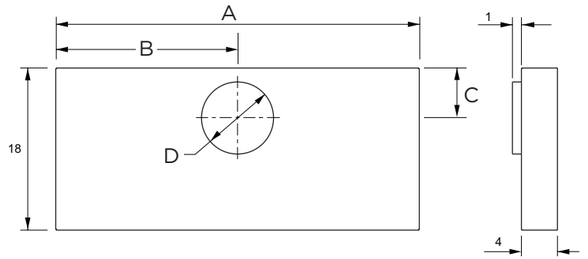
For Kitchen Exhaust Systems

Model	HL 30	HL 36	HL 42	HL 48
Outlet Duct Size	8"	8"	10"	10"
Light Wattage	50W	50W	50W	50W
Bulb Type	50W dimmable halogen (2 pcs)	50W dimmable halogen (2 pcs)	50W dimmable halogen (2 pcs)	50W dimmable halogen (3 pcs)
Speed Control	Infinite	Infinite	Infinite	Infinite
Shipping Weight	21 lbs	25 lbs	28 lbs	31 lbs
Shipping class	1	1	1	1

Dimensions (inches)

Model	A	B	C	D
HL 30	28 3/8	14 3/16	5 1/2	8
HL 36	34 3/8	17 3/16	5 1/2	8
HL 42	40 3/8	20 3/16	6 1/2	10
HL 48	46 3/8	23 3/16	6 1/2	10

HL 42



DEDPV-705 & DBF Series

Dryer Solutions

	USA ONLY				CAN ONLY
Model	**DEDPV-705**	**DBF 4XLT**	**DBF 4XL**	**DBF 110**	**DPV22-2**
Duct Size	4″	4″	4″	4″	4″
CFM (0.2 P_s)	150	150	150	160	150
Max Linear Duct Length	125′	130′	130′	108′	125′
Rated Power	70W	72W	65W	66W	72W
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Max Amps	0.75A	0.73A	0.54A	0.72A	0.75A
Max Temp	167°F	140°F	140°F	140°F	60°C
Shipping weight	13 lbs	10 lbs	10 lbs	9 lbs	7 lbs
Shipping class	1	1	1	1	1

DEDPV-705

DEDPV-705 is the only UL listed Dryer Exhaust Duct Power Ventilator.

DPV22-2

DBF 4XLT

DBF 4XL

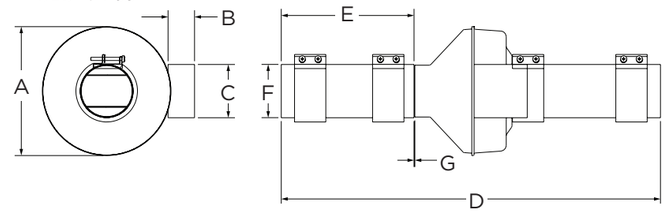
DBF 110

Learn more about product certifications at Fantech.net

Dimensions (inches)

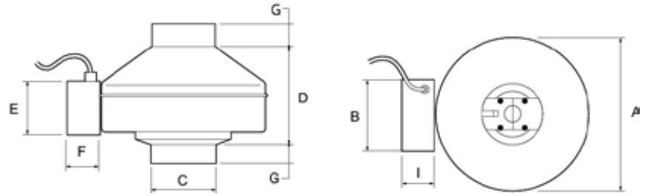
DEDPV-705	A	B	C	D	E	F	G
	9 11/16	2	4	28 9/16	10	4	1/32

DEDPV-705



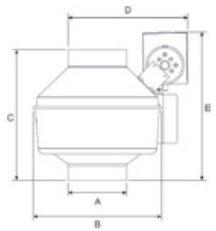
Dimensions (inches)

DBF 4XLT	A	B	C	D	E	F	G	H	I
	9 3/4	3 3/4	3 7/8	6 15/16	3 7/8	2	1	3	2



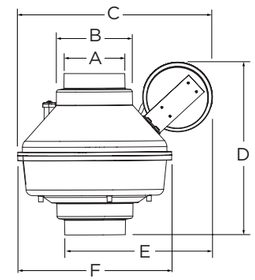
Dimensions (inches)

DBF 4XL	A	B	C	D	E	F	G
	3 7/8	9 7/8	8 1/4	9 1/4	8 5/8	-	-



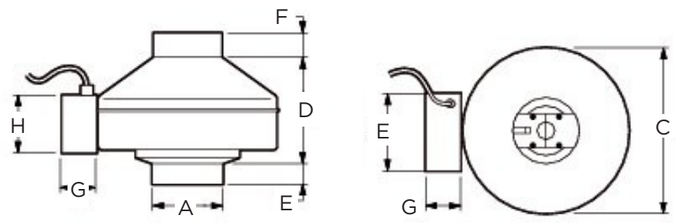
Dimensions (inches)

DBF 110	A	B	C	D	E	F
	3 31/32	4 31/32	12 3/4	11 1/4	9 3/4	10



Dimensions (inches)

DPV22-2	A	C	D	E	F	G	H	I
	7 7/8	9 3/4	6 1/4	1	1	2	3 7/8	3 3/4



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PB Series

Remote Mount Bath Fans


PB 270L10-2

Model	PB 110	PB 110 L7	PB 110 L10	PB 190	PB 270-2/ PB 370-2	PB 270L7V2	PB 270L7-2	PB 270L10V2	PB 270L10-2
Single or Double Vent Grille	Single	Single	Single	Single	Double	Double	Double	Double	Double
CFM (0.2 P_S)	100	100	100	200	260	260	260	260	260
Duct Size	4"	4"	4"	6"	4" / 6"	4"	4"	4"	4"
Rated Power	20W	20W	20W	70W	70W	69W	69W	69W	69W
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
ENERGY STAR® Qualified	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes
Bulb	-	7W Dimm. LED	11W Dimm. LED	-	-	w/o + 7W Dimm. LED	7W Dimm. LED	w/o + 11W Dimm LED	7W + 11W Dimm LED
Shipping Weight	9 lbs	10 lbs	10 lbs	13 lbs	17 lbs/21 lbs	17 lbs	18 lbs	18 lbs	19 lbs
Shipping class	1	1	1		1	1	1	1	1

Outdoor Solutions
PBW 110 Exterior Mount Solution

More Multi Bathroom Solutions
CVS Series Multiport inline fans offers more bathroom solutions for your home as well. See p.130

Model	PBW 110	PBW 110L7	PBW 110L10
Vent Grille	Single	Single	Single
CFM (0.2 P_S)	100	100	100
Duct Size	4"	4"	4"
Rated Power	19W	18W	18W
Voltage / Phase	120V / 1	120V/ 1	120V / 1
Bulb	-	7W LED	11W LED
Shipping Weight	12 lbs	13 lbs	13 lbs
Shipping class	1	1	1

PRO Series

Direct Mount bath Fans

Model	PRO™ 80/100	PRO™ 150	PRO™ Plus	PRO™ Plus - L
Duct Size	4"	6"	6"	6"
CFM (0.2 P_S)	80/100	150	140	140
Rated Power	26W/25W	35W	12W	12W
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1
ENERGY STAR® Qualified	Yes	Yes	Yes	Yes
HVI Qualified	Yes	Yes	Yes	Yes
eCETLus Qualified	Yes	Yes	Yes	Yes
California Title 24	Yes	Yes	Yes	Yes
LED Light	-	-	Yes	Yes
Shipping weight	9 lbs	9 lbs	12 lbs	12 lbs
Shipping class	1	1	1	1

PRO™ Series 80/100

PRO™ Series 150

PRO™ PLUS-L

Learn more about product certifications at Fantech.net

Radon Mitigation

Mitigation and Testing Solutions


Rn 4EC

Model	Rn 1	Rn 2	Rn 2X	Rn 2SL	Rn 3	Rn 2EC	Rn 4EC
Pipe Size	4"	4"	4"	4"	6"	5"	4"
Max CFM	168	166	324	159	377	180	555
Rated Power	20W	58W	68W	87W	141W	53W	174W
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Max Amps	0.17	0.48	0.59	0.78	1.20	1.05	2.10
Max Static Pressure	0.9"	2.0"	1.7"	2.1"	2.6"	2.0"	4.75"
Shipping weight	4 lbs	5 lbs	6 lbs	11 lbs	6 lbs	5 lbs	8 lbs
Shipping class	1	1	1	1	1	1	1

Couplings


LDVI® 4x3

Model	LDVI® 4x3	LDVI® 6x4	LDVI® 4x4	LDVI® 6x3
# of Pieces	54	40	36	40
Shipping weight	40 lbs	37 lbs	28 lbs	37 lbs
Shipping class	1	1	1	1

Radon Alarm

Radon Alarm	
Shipping Weight	1 lb
Shipping Class	1

PFEDK	
Shipping Weight	34 lbs
Shipping Class	1


PFEDK

Learn how Fantech is helping mitigators look like pros on page 44

Bathroom Ventilation

Why would I want/need a bathroom fan?

A bath fan removes moisture producing mold that contributes to poor Indoor Air Quality (IAQ), it will help remove unwanted odors, and in some regions, IAQ requirements state bath fans must expel a certain amount of CFM/hour or CFM/day.

How do I select the right Fantech Premium Bath Fan for my bathroom?

According to the guidelines of the Home Ventilating Institute (HVI), baths that are 100 sq. ft. or smaller require 1 cfm per square foot of bathroom floor area with a minimum 50 cfm exhaust rate. To find the square footage simply multiply the length of the bathroom by the width. Allow 50 cfm per standard tub, shower, or toilet. Calculate whirlpool, garden, and jetted tubs at 100 cfm.

Example 1
Bathroom 9’ x 7’ = 63 sq. ft. you require the PB110 or PBW110.

Example 2
Bathroom 11’ x 14’ = 154 sq ft, 1 Toilet + 1 Shower + 1 Tub = 150 CFM; therefore, you require the PB270L10-2.

Note: HVI recommends that steam showers use a separate fan on a timer so that you can shut off the fan during shower use and run the fan afterwards to dry out the shower stall. For proper airflow in typical installations (when duct losses are not calculated), use the 0.4” Pst rating point for the correct fan selection. Pst, or static pressure, is a measure of resistance to airflow as a fan pushes or pulls air through a duct. It is measured in inches of water gauge, such as 0.1” w.g. This method shows the resistance is equal to raising a column of water 0.1” or one-tenth of an inch.

To allow for makeup air, bathroom doors should be undercut at least ¾” to allow clearance over the finished floor.

How many bathrooms can I vent with one fan?

Fantech recommends that no more than 3 bathrooms use the same bath fan. Whenever the fan runs, air exhausts from all rooms connected to the single system. This, in combination with the much higher cost of large fans, means that it is generally beneficial to exhaust a maximum of three smaller, or two larger, bathrooms together.

Is there a way to replace my existing noisy bath fan with a Fantech Premium Bath fan without having to drywall the bathroom ceiling?

Installing a Fantech Bath Retrofit Kit (BFRK100) is an easy way to convert your noisy bath fan into a quiet yet powerful ventilation system. The kit includes an inline fan, fittings, and accessories. Your existing fan grille and housing will stay in place. No drywall work needed, and Fantech offers easy to follow instructions to show you how.

I do not have room to install a remote inline fan in my application. Is there another fan I could use?

For this problem, Fantech offers the PBW 110 that comes with a ceiling grille and externally mounted fan. It is ideal for basement bathrooms and first floor powder rooms.

Can I use my Fantech Premium Bath Fan to provide continuous ventilation?

Yes. When used with the Fantech Fan Control Sensor, your PB fan may provide a cost-effective way to comply with your specific code requirements regarding controlled ventilation in residential applications. Check out our VT20M bath fan switch to help provide your home with continuous ventilation.

How many auxiliary controls (VT20A) can be used with one Master Control (VT20M)?

Four VT20A auxiliary controls can be used with one VT20M. This allows ventilation in areas such as bathrooms, laundry rooms, workshops, etc. The VT20A is connected to the VT20M with a 2-core insulated cable.

Can I add a motion sensor to a Fantech Bathroom Exhaust Fan?

Yes, any motion sensor that matches voltage requirements will operate the Fantech fan.

What installation tips can you give me to get the most from my Fantech Premium Bath fan?

Keep the duct runs as short as practical (under 25 feet).

Ensure the inner core of the flexible insulated ducting stays as tight and as straight as possible.

Seal the ducting to the grille housing/fan/wye connector/termination with aluminum foil tape.

Ensure there is a minimum of 3 duct diameters between any fitting and the inlet/outlet of the fan.

For the PB270L10-2 and PB370, It is better to have a short run of larger trunk line from the wye connector to the inlet of the fan and from the fan outlet to the termination point.

In addition, Fantech recommends using longer runs of smaller duct from the grille/light to the wye connector.

Can I insulate my Fantech Premium Bath Fan grille/light housing with insulation?

Yes, the grille/light units are Insulation Contact (IC) rated.

Can I mount the fan horizontally?

Yes, the orientation of the fan will not affect its operation. When running horizontal duct to the outside, Fantech recommends slightly angling the duct down to the outside vent to allow condensation (if any) to naturally run out of the duct.

Can I install Fantech Premium Bath Fans with LED or Halogen grilles/lights over a tub or a shower?

Yes. Both the LED and Halogen grille/lights are UL listed for wet locations. When installed over a tub or shower, connect the fan to a Ground Fault Circuit Interrupter (GFCI) to prevent electrical injury.

Can I turn on my light separate from my fan?

Yes, Fantech recommends wiring the light on its own switch, and wiring the fan on a timer such as the Fantech FD60EM or a humidity control unit like the IPHS5.

Should I run the fan after I have finished in the shower?

Yes. The Home Ventilating Institute (HVI) recommends running the fan for a minimum of 20 minutes after using the bathroom to completely exhaust moisture. Fantech offers a line of humidity sensors, programmable & manual controls, timers, and switches for your convenience.

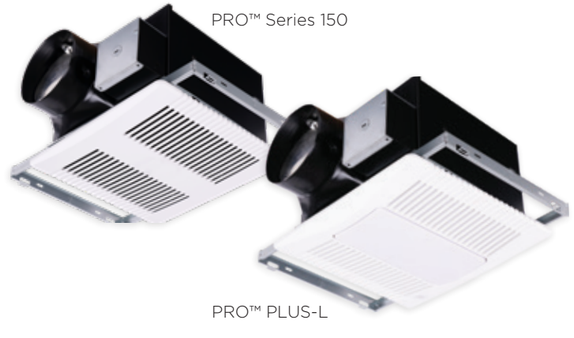
Can I paint Fantech plastic grilles?

Yes, you can. Fantech recommends using a paint that is suitable for plastic. An example of such paint is “Krylon Fusion for Plastic”. If you use a paint unsuitable for paint plastic, apply a primer coat of paint suitable for plastic first. An example of such paint is “Rust-oleum Specialty Plastic Primer”. Applying unsuitable paint directly to our plastic grilles will likely not yield satisfactory results.

Before painting, remove the grille from the installation to prevent paint spilling over the lamp socket contacts, damper flap, or labels. As with all painting processes, Fantech recommends proper cleaning and following the directions of the paint manufacturer to ensure a higher quality painted grille.

What is the Warranty on Premium Bath Fans?

Fantech Premium Bath Fan Warranty is 5 years.



Dryer Exhaust

How can I reduce the risk of my dryer catching fire?

Ensure your architect designs your laundry room as close as possible to the outside to generally reduce the chance of lint buildup and dryer fire. Clear all lint traps in the system on a consistent basis. Keep ducting to outside clear of lint as needed. Use a Dryer Exhaust Duct Power Ventilator (DEDPV) on long length duct runs (length varies by regulation) to boost dryer performance and to significantly reduce lint and moisture buildup.

Why is a DEDPV necessary?

According to some dryer installation instructions and local building codes, adding fans listed to the DEDPV standard are a requirement when the length of the duct run exceeds 35 linear feet. With an existing system, you may find that drying times are far longer than the dryer manufacturer's instructions give. This issue may indicate that you have a duct run longer and more restrictive than your dryer can handle. Installing a Fantech DEDPV can assist the dryer in overcoming the added restrictions to allow the dryer to operate as designed.

How does the Fantech dryer exhaust duct power ventilator work?

When the dryer is on, if the pressure switch senses positive pressure in the duct, the Fantech DEDPV turns on for a pre-determined time. At the end of the timer cycle, the switch checks for positive pressure in the duct, if there is pressure in the duct the cycle continues. Once the switch detects no positive pressure, the DEDPV will continue to extract air for a few minutes to keep temperatures reduced.

What is the maximum length of duct that can be used with a Fantech DEDPV?

The DEDPV-705 is effective for up to 125 linear feet of 4" rigid duct.

How do I calculate my duct run?

To calculate the length of your planned duct run, measure from the dryer to the external venting point in the roof or wall. For each bend or elbow, add 2.5–5 linear feet to your total duct run calculations (or as required by local codes).

Where in the duct line can I install my Fantech DEDPV?

Fantech recommends installing the DEDPV at least 5 linear feet from the dryer and up to 35 linear feet from the initial 5 linear feet.

Can I mount the Fantech DEDPV horizontally?

Yes, as long as the air flow direction is correct and the pressure switch is vertical, you can mount the Fantech DEDPV in any orientation.

I am adding a Fantech DEDPV to my existing dryer duct line because my duct run is too long for my dryer to operate efficiently. Do I have to do anything special before I install the fan? Ensure the duct is clean and free of lint buildup, this may require the services of a professional duct cleaning company or chimney sweep. Otherwise, on start-up, the fan may pull lint into the impeller that will block airflow and eventually stop the fan.

DEDPV-705

What maintenance does my Fantech DEDPV require?

Fantech seals and lubricates the fan bearings for life, meaning no additional maintenance necessary. Over time, the fan impeller may accumulate some lint. Perform an annual inspection to ensure the fan impeller is free from obstruction or loaded with lint. To help minimize lint accumulation in the ductwork, Fantech recommends installing the DBLT 4W, Secondary Lint Trap. To remove lint from the RVF 4XL wall mount fan, disconnect power to the fan, remove the fan cover, clean the lint (if any) from the impeller, reinstall the cover, and reconnect power to the fan. After maintenance or cleaning, check the operation of the fan.

How can I tell if my Fantech DEDPV is working?

With the dryer operating, open the dryer door. The fan on the dryer will stop but you should still hear air pulling through the dryer from the DEDPV. Fantech's DEDPV-705 features a wall-mount indicator panel that mounts in the wall near the dryer. An LED light on the indicator panel lets the user know that the fan is operating correctly.

EASY TO SPECIFY.
RELIABLE SOLUTIONS.

Every product has a specification document written to the CSI 3-part format and Revit/CAD files are easy to download.

Fresh Air Home

What contributes to healthy indoor environments?

Healthy indoor environments have a comfortable temperature and humidity, an adequate supply of fresh outdoor air, and passive control of indoor air pollutants.

How does unhealthy indoor air affect occupants?

Exposure to unhealthy indoor air can induce symptoms that resemble having allergies, respiratory diseases like Asthma, heart problems, and lung cancer. The American Heart Association has linked unhealthy indoor air to heart problems, while the American Lung Association lists it as a leading cause of lung cancer.

What causes indoor air to become unhealthy?

Unhealthy indoor air develops from indoor air pollutants, and lack of ventilation. Indoor air pollutants include chemical products such as cleaning supplies, glues, pastes, personal care products, and other synthetic products. Other sources include building materials, combustion sources, and outdoor sources. Pet dander, dust mites, mold, and viruses can also contribute to unhealthy indoor air.

Which indoor air pollutants should we be concerned about for occupant health?

For occupant health, the U.S. Environmental Protection Agency (EPA) mentions thirteen types of harmful indoor air pollutants. The list includes asbestos, biological pollutants, carbon monoxide, cookstoves, formaldehyde/pressed wood products, lead, nitrogen dioxide, pesticides, radon, indoor particulate matter, secondhand smoke/environmental tobacco smoke, Volatile Organic Compounds (VOCs), and wood smoke.

How do we keep indoor air pollutants at a healthy level in our home or in our office?

To keep indoor air pollutants at a safe level, we suggest three options. Our first suggestion is consider introducing more fresh air into your home. We also suggest you monitor your air through air quality sensors. Our third suggestion is to clean your HVAC and Fresh Air Appliance's filters every 3 months & replace them on a fixed schedule.

How can I prevent chemicals and toxins from entering livable or office spaces from workshops, parking garages, etc.?

To prevent migration of airborne contaminants from entering adjacent spaces, Fantech suggests controlling the respective pressures of the air in those spaces. In other words, you can contain the contaminated air by keeping air pressure negative in that space with respect to other adjacent spaces. This strategy assumes that any transfer of air between such spaces will be in the direction from "clean" to "dirty".

This strategy will not completely prevent contaminant migration to adjacent spaces, but it is generally more than adequate to control contaminants considered as not extremely hazardous or life-threatening. When controlling air pressure in spaces, you should consider how such a strategy might affect other mechanical systems in those spaces, perhaps most notably combustion appliances and fireplaces.

Therefore, you can maintain space air pressure control with the use of supply/exhaust fans operating continuously or intermittently as required, and perhaps use an active pressure control that automatically adjusts fan speed to maintain the desired differential pressure between adjacent spaces.

What are NetZero homes?

Sometimes referred to as zero-net-energy homes, NetZero homes generate as much power as they use. NetZero homes use elements such as solar power, a larger quantity of insulation in ceilings, walls, floors & basements, high-efficiency windows & doors, and balanced ventilation with energy recovery to offset the carbon emissions the home exudes.

Do NetZero homes ensure a healthy indoor environment?

NetZero homes use balanced ventilation with energy recovery to remove stale air from the home and delivers fresh air into the home. If a NetZero home has balanced ventilation, the home replaces the air multiple times per hour and it provides the home with a continuous supply of fresh air. With improved insulation and ventilation, NetZero homes supply fresh air continuously and indoor temperatures generally stay constant to provide a comfortable and healthy home.

Are your products Passive Home or LEED certified?

In terms of Passive House, in regard to the Passive House Institute of the United States (PHIUS), then our HVI certification counts towards PHIUS Certification Programs: Passive House Institute U.S., but our products do not count toward Passive House Institute (PHI, the Germany/Europe program).

In terms of LEED certification, Fantech products offer multiple points related to air quality improvement.

Does compliance with the local residential code ensure healthy indoor air?

Not always. Not all codes require ventilation. In the U.S., residential codes vary throughout the country, but Canadian residential codes do not change much from one region to the next.

Which aspects of the residential code directly focus on healthy IAQ?

No residential codes directly focus on healthy IAQ. Most residential codes cover building, plumbing, and mechanical systems in single- and multi-family residences. In addition, residential codes also cover fuel, gas, and electrical requirements.

What kinds of solutions are on the market for indoor air quality – for both code compliance and improved ventilation?

Solutions include installing or upgrading supply fans with energy-efficient motors, bathroom exhaust fans, fresh air appliances with energy recovery, radon fans, dryer exhaust duct power ventilators (DEDPVs), makeup air systems for balanced kitchen ventilation, etc..

How much does it cost to maintain a healthy indoor environment?

To know the cost of ventilating a space, we need to know the energy associated with operating the fresh air appliance (mostly the fan motors) and the cost of conditioning the outside air (beyond what the fresh air appliance provides for free via recovery).

For example, one of our most popular residential fresh air appliances is the ATMO 150H. It uses 168 Watts of electrical energy while operating. Depending on the actual fresh air appliance model, the frequency of use, and the electricity rate, the operation cost will be some amount more or less than $174 / year (operating model ATMO 150H continuously at electricity rate of $0.12 / kWh).
A traditional, 80 CFM bath exhaust fan typically has a power consumption of 26 Watts, which is about $27 annually at the same electrical rate.

Across the fresh air appliances that Fantech offers, the average recovery rate ranges from 60-80% effectiveness.

With a fresh air appliance and a bathroom fan, maintaining a healthy indoor environment can cost up to $200 per 100 CFM annually. With heat or energy recovery options, Fantech can cut that number by $120 with 60% recovery and $160 with 80% recovery. Therefore, you would only pay $80 annually with 60% recovery and $40 annually with 80% recovery.

Fresh Air Appliances

What is a fresh air appliance?

A fresh air appliance provides a controlled way of ventilating a home. Fresh air appliances work continuously to supply fresh, filtered air into the building while simultaneously removing an equal amount of moist, stale air. While fresh air appliances provide continuous ventilation to your home, they also help save you money on cooling and heating costs through heat or energy recovery. When it is warm and humid outside, the fresh air appliance pre-cools the fresh, warm incoming air through expelling the cold, stale air.

For all existing methods, what are the advantages/disadvantages from installing a fresh air appliance over opening a window?

Installing a fresh air appliance introduces fresh air throughout the home and extracts the stale air on a consistent basis. Fresh air appliances bring in fresh air through a filter to prevent outdoor pollutants from entering the home. The fresh air appliance installation costs more than opening a window initially, but long term it can save your family money through heat and energy recovery methods.

On the other hand, and dependent on where the window is in the home, opening a window will only ventilate the general area around the window. Also, opening a window introduces outdoor air without a filter. This leaves you with less control over the location and the amount of fresh air entering your home.

What maintenance does a fresh air appliance require? How often?

Depending on the location of your neighborhood, you will need to check the core and filters of your appliance every 3–6 months for cleanliness and clean the filters when they become dirty.

How does HEPA filtration work?

High-Efficiency Particulate Air (HEPA) filters work by capturing mold spores, pet dander, cooking odors, dust, dust mites, and their by-products all in a series of three filters. The pre-filter collects the largest particles while the carbon filter absorbs odors. The third filter is a true certified HEPA filter, which collects 99.97% of particles down to .3 microns. Our HERO HS300 uses a HEPA filtration system.

How will my HEPA filtration system perform against wildfire smoke, viruses, and other pathogens?

For wildfire smoke, a HEPA filter captures smoke in the filter. However, you may still smell the wildfire smoke. For Indoor Air Quality (IAQ) purposes, it is always best to have a charcoal or activating carbon filter to minimize the smell that may seep through.

For filtering viruses and other pathogens, HEPA filters can be effective in diluting and trapping viral droplets because the filters are effective down to .3 microns. According to the CDC, supplementing ventilation systems with portable HEPA filtration systems can help reduce the number of infectious airborne particles.

Where do I install a Fantech Whole-House HEPA filtration unit?

HERO HS300—Normally installed on the cold air return of your furnace or air handler. Alternatively, you can install the HERO HS300 using 8-inch round collars for applications that require ducting. To achieve the best result, use a pressure sensing switch or current sensing relay to interconnect the HERO® HS300 Filtration System with the HVAC System blower.

PHS300—Like the HS300, the PHS300 can filtrate areas up to 2000 sq. ft. The unit does not have to be fixated to the unit, and can be free-standing to support any area at any time.

Can I install the HEPA unit in an unconditioned space like a garage?

Yes. The cabinet is fully insulated. Therefore, you can install the HEPA unit in an unconditioned garage, an attic, or in other unconditioned spaces.

How often do I need to change the filters on my HEPA filtration system?

Depending on the location of your neighborhood, Fantech recommends replacing the pre-filter with carbon every 3–6 months and the HEPA filter once a year.

Where can I buy replacement filters for my fresh air appliance or whole house filtration unit?

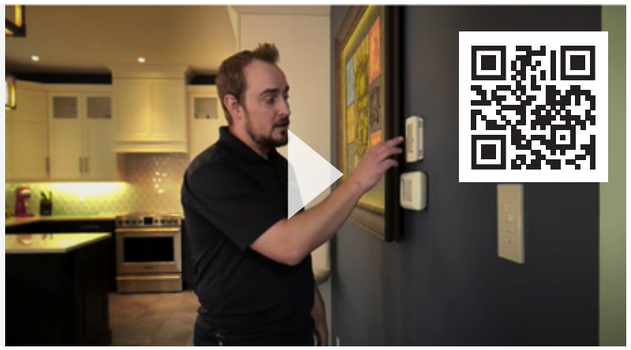
Go to our website Fantech.net to find out where you can buy our products locally.

Which wall controller should I use with a fresh air appliance to supply air on demand?

Fantech has an extensive range of convenient wall controls that will help you efficiently operate your fresh air appliance.

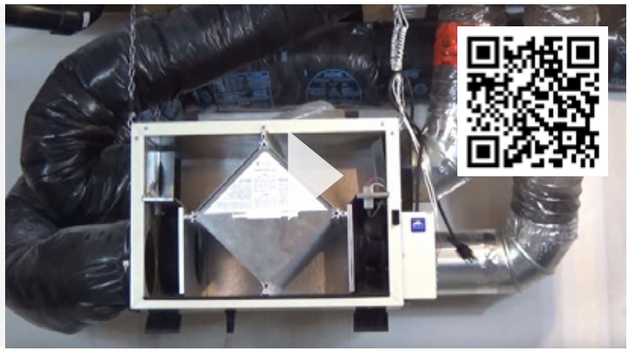
Take control of your indoor air quality.

Learn more about a simple solution to enhance air quality in your home.



How do I clean the aluminum core in my Fantech HRV?

How often?



HERO

HERO SERIES

Fresh Air Appliance

Kitchen Ventilation

Why do I need an active makeup air system for my kitchen?

Every time an exhaust fan removes air from your house, an equal volume of air must enter. The air that enters cracks in a home's envelope to replace air that is exhausted is called makeup air. Two existing building practices affecting makeup air are causing increasing problems for homeowners: homes are getting tighter, and trendy multiple burner stoves require more powerful range hoods to exhaust heat and moist.

So where does a powerful range-hood get its makeup air? If the house doesn't have enough random air leaks around windows, doors, and mudsills, the makeup air is often pulled backwards through water-heater flues or down wood-burning chimneys — a phenomenon called backdrafting. Since the flue gases of some combustion appliances can include carbon monoxide, backdrafting is dangerous. In some cases, it can be life-threatening.

In newly engineered homes with range hoods over 400 CFM, there is a new code dictating air replenishment. Although this code has been on the books since 2009, inpectors are now enforcing it.

International Residential Code IRC 1503.4 Exhaust Makeup Air in a High-Efficiency Residential Environment reads:

> "Exhaust hood systems capable of exhausting in excess of 400 cfm shall be provided with makeup air at a rate approximately equal to the exhaust air rate. Such makeup air systems shall be equipped with a means of closure and shall be automatically controlled to start and operate simultaneously with the exhaust system."

Can I use a Makeup Air System with multiple exhaust fans?

You can not. The Makeup Air System is designed to work in conjunction with one kitchen exhaust range hood / fan only.

What is the best location for a interior register to bring the fresh air into the home?

The supply air register should be installed as close the the exhaust kitchen range hood as possible.

May I install the Makeup Air System in a vertical position?

Due to its component-based, field-assembled nature, the Fantech Makeup Air System offers flexibility as to where and how it can be installed into a building. The installation location should be suitable for periodic inspection and maintenance. It is not required that the individual system components be installed in a linear (straight line) arrangement.

Can the components be installed with a 90 degree bend instead of a straight line to reduce space requirements?

Yes, the components can be split into segments to support tight quarters. Be mindful that care should be taken with regards to the heater when altering the air path through the device. A minimum of 24 inches should be installed before and after the heater to ensure linear air flow across the elements. Non-linear air flow can create pockets of low air that can cause the element to overheat and shorten the elements life.

Should I use a heater with a makeup air system from Fantech?

If you are in an area that experiences cold weather in the winter time, you will want to have a MUAH heater system to temper the air coming into your home. See Zone and Heater chart for help in deciding.

Is it possible to change the output temperature of the heater?

Yes you can, however the heater is factory set to optimize its performance over a wide range of cfm settings. Remember for the maximum temperature gain lower cfm rates are recommended.

How often should the filter be changed?

Inspection of the filter should be performed at a minimum quarterly basis until a pattern can be established for the particular air quality of the surroundings. Once a determination is made lest frequent inspections may be practical. To order a replacement filter, contact Customer Support.

Where should the Silencer be placed in my Fantech Kitchen Hood exhaust system?

The silencer may be placed anywhere inline between the hood and the remote mounted inline or exterior mounted fan. However, it is normally mounted close to the inlet of the remote fan for ease of installation.

What is the purpose of a silencer and when do I need to use one?

The Fantech LD silencer reduces the "perceived" noise of a kitchen ventilation system by 50-60%. This is particularly important with range hoods where the airflow rate is generally high (300+ cfm).

Can I install a MUAS in an uninsulated attic/ basement?

Yes! Simply insulate the ductwork to the R value required for your area.

May I install the Makeup Air System in my basement?

Yes, you may. There are some limitations to consider: do not install the makeup air system and supply air duct work directly above or closer than a distance of two feet to any furnace or its supply plenum, boiler, water tank or any heat producing appliances.

Can the Fantech Makeup Air Systems be used with fireplace applications?

Absolutely not, the Fantech system is designed exclusively for residential kitchen cook top ventilation.

Does Fantech sell decorative Range Hoods?

No, Fantech sells hood liners which can used inside a wood hood that matches your cabinets or custom made facade such as mantle style hoods.

Fantech sells hood liners in several sizes. The HL Series hood liners are constructed of all stainless steel. They are available in 30", 36", 42" and 48" width. Depth of 18".

How to protect Your Kitchen and Home

Learn more about a simple way to protect your home from odors and smells coming from the kitchen

How A Remote Dryer Exhaust Ventilator Works

Learn more on how a remote dryer exhaust ventilator can change your laundry room for the better.

How Does Unhealthy Indoor Air Affect Occupants?

Learn more about ECO-TOUCH® IAQ sensing technology

PRO Series Bath Fan is a Contractor's Best Friend

Learn more about a new quiet surface mount bath fan from Fantech

What is a Fresh Air Appliance?

Learn more about the new HERO Series - the latest addition to the Fantech family of Fresh Air appliances.

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Distributed Locally by:

Zephyr Creative • February 2023 • E1954

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