fantech®
a systemair company

Ventilation Solutions
Edition 2019-2021
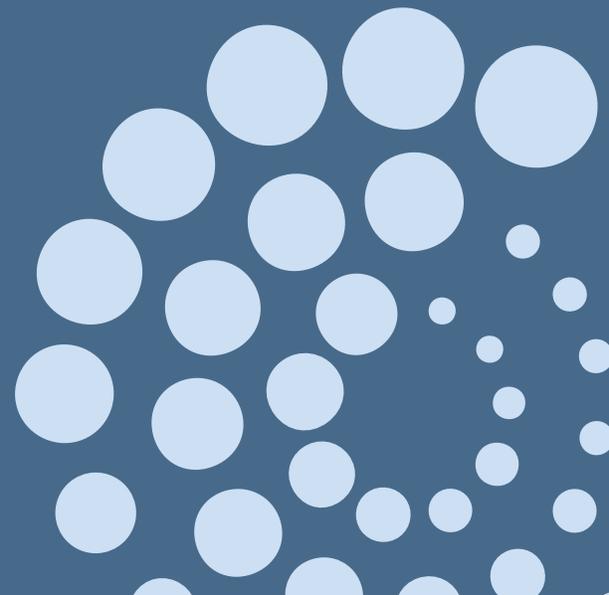
Bouctouche, Canada

Skinnskatteberg, Sweden

Lenexa, Kansas

Welcome to Fantech

This year we launch a new era of the Fantech product catalog. Redesigned and rethought, the printed book you hold in your hands along with future marketing materials are moving in a new direction inspired by our vision to become your best friend in HVAC. In that spirit, this edition is dedicated to finding unique solutions to help make your work shine.

This edition is focused on product applications and how our products can be a win-win solution to various challenges that you face in your day-to-day work. On pages to follow, we packaged core products with accessories that allow you to complete your job all in one go.

Included in this catalog are more application renderings than ever before. Visualization of our products in action has helped our customers see the versatility and value in using Fantech equipment in a variety of applications to increase Indoor Air Quality. This catalog is designed to help you see your job with a different set of eyes. After all, Fantech's most important eyes on a project are yours.

fantech ®
a systemair company

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Products by Family

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" **Supplying efficient ventilation products and solutions is what drives us, as does simplifying the installers' job**

Fantech does much more than make fans.

We are committed to making products that support healthy and comfortable indoor environments.

Our high-efficiency products ensure your loved ones breathe fresh, clean air from this moment to the next.

Because at Fantech, we're not just building fans, we're building solutions and opportunities for a healthier, safer tomorrow.
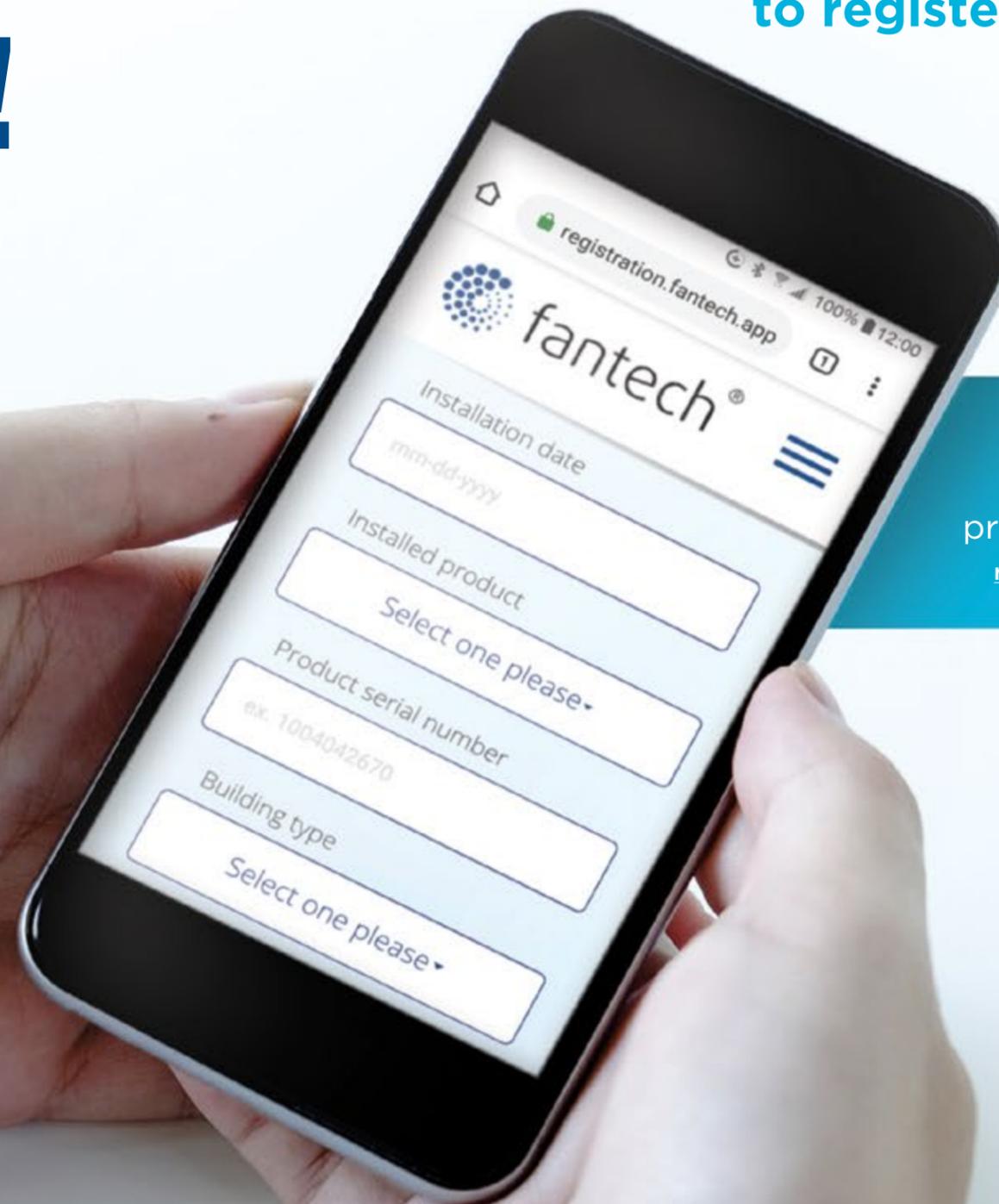
fantech

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 that followed.

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.

Go Green with EC: Energy Efficient 21st Century Super Fans

The average person spends 90% of their time indoors – a trend that makes demand for energy-efficient climate control, ventilation, and air quality even more imperative.

Electronically Commutated (EC) motors are the pinnacle of controllable fan technology.

Look for the mark.

The "Green Ventilation" symbol indicates that Fantech's products deliver high energy efficiency and are designed to accommodate a variety of demand control applications. To customers, this symbol represents an assurance of sustainability, economy and easy installation.

FKD 16XL EC
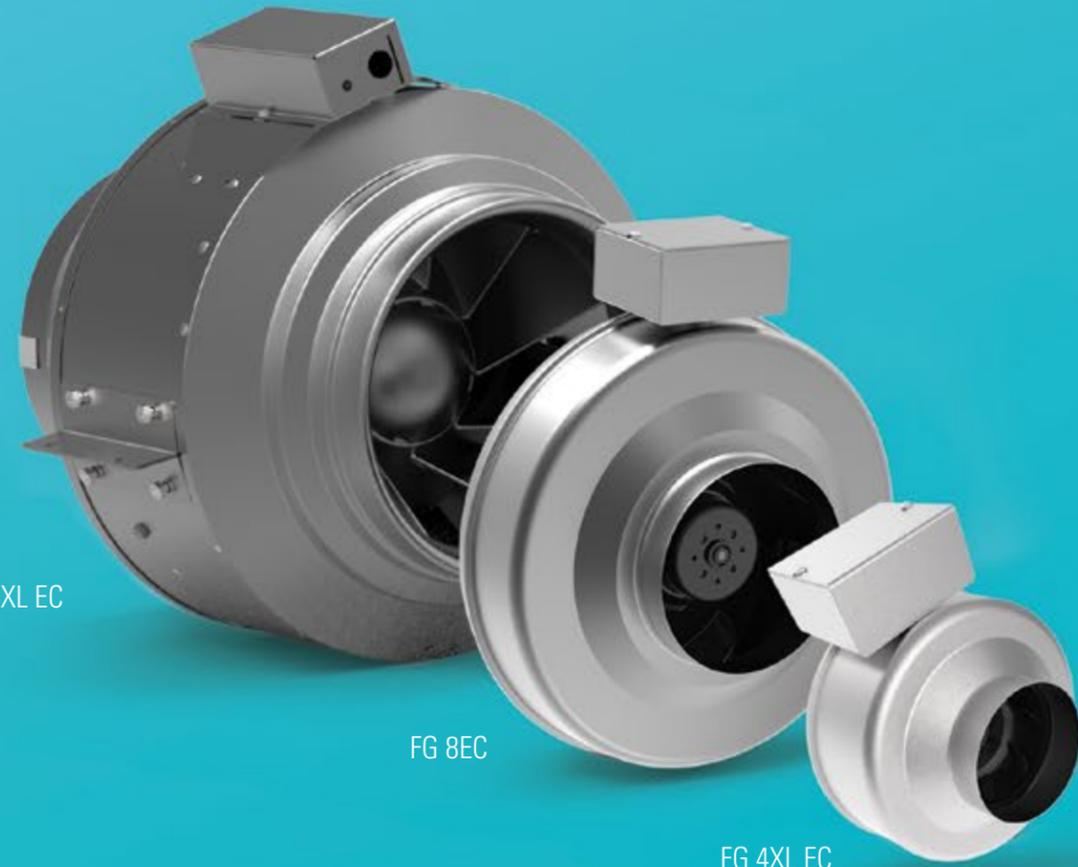
FG 8EC

FG 4XL EC

prioAIR® 8EC

HERO 150-H EC

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 Classic inline fan

FG Series is designed for installation in circular ducts for variety 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. 100% speed controllable.
Speed controller sold separately.

FG 4
20W, 135 cfm
7 lbs

FG 4XL
72W, 170 cfm
8 lbs

FG 5XL
73W, 220 cfm
8 lbs

FG 6
67W, 303 cfm
10 lbs

FG 6M
120W, 418 cfm
12 lbs

FG 6XL
153W, 483 cfm
12 lbs

FG 8
120W, 461 cfm
12 lbs

FG 8XL
142W, 502 cfm
13 lbs

FG 10
140W, 513 cfm
12 lbs

FG 10XL
195W, 589 cfm
14 lbs

FG 12
181W, 741 cfm
18 lbs

FG 12XL
277W, 940 cfm
21 lbs

See page 136 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 come standard equipped with a built-in potentiometer for "set-it and forget it" speed control. They are ideal for standard duct boosting where balancing the flow is critical.

FG 4XL EC
32W, 180 cfm
5 lbs

FG 6M EC
75W, 363 cfm
9 lbs

FG 8 EC
69W, 428 cfm
9 lbs

FG 10 EC
87W, 513 cfm
9 lbs

FG 12 EC
120W, 633 cfm
12 lbs

FG 12XL EC
162W, 805 cfm
16 lbs

See page 137 for full product specifications.

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

FG 4XL EC
Inline Fan

LD 4
Silencer

AND

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 Fan

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 6,271 cfm. Galvanized steel housing. Controllable with an external speed control between 60 and 100%.

FKD 8 XL
327W, 836 cfm
15 lbs

FKD 10
325W, 910 cfm
14 lbs

FKD 10XL
506W, 1266 cfm
21 lbs

FKD 12
506W, 1305 cfm

FKD 12XL
498W, 2016 cfm
42 lbs

FKD 14
480W, 2156 cfm
47 lbs

FKD 14XL
735W, 2619 cfm
51 lbs

FKD 16
735W, 2952 cfm
50 lbs

FKD 16XL
1400W, 4274 cfm
134 lbs

FKD 18
1385W, 4448 cfm
132 lbs

FKD 18 XL
2025W, 6212 cfm
149 lbs

FKD 20
2240W, 6271 cfm
153 lbs

FKD18XL and FKD20 are 230/460V/3~ models.
See page 138 for full product specifications.

Read More

Makeup Air Systems for residential kitchens on page 104

Pair with these Accessories for KITCHEN EXHAUST 1600 cfm+

FKD 10XL
Inline Fan

AND

HL 42
Range Hood

AND

RC 10P
Roof Cap

AND

LD 10
Duct Silencer

FKD.. EC Series offers same features as the FKD fans along with built-in potentiometer to control the airflow between 20 and 100%. An ideal solution for on-demand ventilation applications.

FKD 12XL EC
375W, 1936 cfm
39 lbs

FKD 14XL EC
427W, 2430 cfm
42 lbs

FKD 16 EC
1070W, 4250 cfm
109 lbs

FKD 16XL EC
1830W, 5150 cfm
112 lbs

FKD 18 EC
1765W, 5921 cfm
98 lbs

FKD 20 EC
1735W, 5967 cfm
100 lbs

FKD16EC is a 230V/1~, FKD 16XL EC, FKD 18 EC and FKD 20 EC are 460V/3~ models.
See page 139 for full product specifications.

FRESH AIR Intake?
Pair these accessories with an FKD:

FKD 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 projects of all sizes.

FR Series
Inline Fans

Whatever-You-Want Fan

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

Airflow ranges between 100 and 345 cfm.
Plastic vibration welded single piece housing. Controllable with an external speed control between 60 and 100%.

FR 100
19W, 151 cfm
6 lbs

FR 110
65W, 187 cfm
6 lbs

FR 125
20W, 172 cfm
6 lbs

FR 140
60W, 226 cfm
8 lbs

FR 150
67W, 327 cfm
8 lbs

FR 160
115W, 345 cfm
8 lbs

See page 144 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 160
Inline Fan

AND

FAT 10
Thermostat

AND

RC 6P
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 your unique needs.

REGISTER TODAY
Gain easy access to accessories and components to keep your inline fan at its peak performance.
registration.fantech.app

Take the Fight Outside

RVF 4 19W, 120 cfm 7 lbs	**RVF 4XL** 90W, 180 cfm 7 lbs	**RVF 6** 90W, 220 cfm 9 lbs	**RVF 6XL** 150W, 360 cfm 9 lbs
RVF 8XL 150W, 410 cfm 13 lbs	**RVF 10** 108W, 760 cfm 27 lbs	**RVF 10L** 195W, 1020 cfm 31 lbs	**RVF 10 XL** 300W, 1222 cfm 31 lbs
RVF 4XL EC 85W, 225 cfm 10 lbs	**RVF 6XL EC** 65W, 380 cfm 17 lbs	**RVF 8XL EC** 85W, 492 cfm 17 lbs	**RVF 10EC** 115W, 862 cfm 28 lbs

See page 140 for full product specifications.

Buy this build for Garage Applications

RVF 4XL
Exterior Fan

AND

6637-PW
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

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 outside the living space, fan noise is minimized.

Airflow ranges between 100 and 1,222 cfm. Lightweight, compact and simple to install. RVF EC models are controllable with an external speed control between 20 and 100%. AC models are controllable with an external speed control between 60 and 100%.

Help Your Attic Breathe Easy

RE 54 (REC 54)
18W, 116 cfm
8 lbs, (9 lbs)

RE 6 (REC 6)
85W, 227 cfm
10 lbs, (11 lbs)

RE 8XL (REC 8XL)
140W, 409 cfm
13 lbs, (16 lbs)

RE 10XL (REC 10XL)
360W, 753 cfm
30 lbs, (30 lbs)

RE 10XLT (REC 10XLT)
520W, 1008 cfm
33 lbs, (35 lbs)

Keep the summer heat outside.

Raise your hand if you've experieced a heat buildup in the attic space in summer time. 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 5
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

FD 60EM
60 min Timer

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**
90W, 245 cfm	120W, 355 cfm	150W, 404 cfm
11 lbs	16 lbs	20 lbs

See page 142 for full product specifications.

To Exhaust Air from two Single-family home Bathrooms:

CVS 275A	AND	**MGE 5**	AND	**FIDT 5 & FIDT 6**	AND	**HS 6W**	AND	**FY 5**	AND	**FD 60EM**
Multi-port Fan		Exhaust Grille		Flexible Duct		Exhaust Air Vent		Y-Connector		60 min Timer

To exhaust air from a large home spa:

CVS 400A	AND	**PBL 10-4**	AND	**FIDT 4 & FIDT 6**	AND	**HS 6W**	AND	**FY 4**	AND	**IPHS 5**
Multi-port Fan		Bathroom Grille		Flexible Duct		Exhaust Air Vent		Y-Connector		Humidity Control

Air,
say HELLO
to power.

prio**AIR**®
EC Inline Fans

Professionals use years of experience and their own judgement to neatly design HVAC systems and run ducts in the places where it they can accomodate the bulky fans. So offering a range of low profile inline fans lets them take care of those challenges, their way without compromise.

prioAIR® 6	**prioAIR® 8**	**prioAIR® 10**
37W, 295 cfm	90W, 646 cfm	285W, 1380 cfm
3 lbs	8 lbs	14 lbs

prioAIR® 6EC	**prioAIR® 8EC**	**prioAIR® 10EC**
63W, 443 cfm	120W, 791 cfm	162W, 1237 cfm
4 lbs	8 lbs	10 lbs

See page 143 for full product specifications.

prioAIR Series can be used for variety of supply or exhaust air applications with high static pressure and tight requirements for electrical usage.
Airflows between 250 and 1,380 cfm. EC models are equipped with built-in potentiometer for airflow control on demand.

Fresh air intake:

prioAIR® 10	AND	**ADC10**	AND	**FGR10**	AND	**FML10**	AND	**6637-PW**
Inline Fan		Shutoff Damper		Filter Cassette		Supply Hood		Speed Control

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.

A mechanical exhaust solution will keep 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 RVF 4XL to properly ventilate your garage.

RVF 4
Exterior-Mount
Exhaust Fan

Exhaust Out

MGE4
Exhaust Grille

6637-PW
Speed Control

RSK Backdraft Damper
Anytime you have an exit for airflow 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	**MGE 4**	**6637-PW**	**RSK 4**
Exterior Mount Fan	Exhaust Grille	Timer Switch	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.

PBV 4
Grille Vent

FG 4XL EC
Inline Fan

FIDT4
Flexible Duct

Exhaust Out
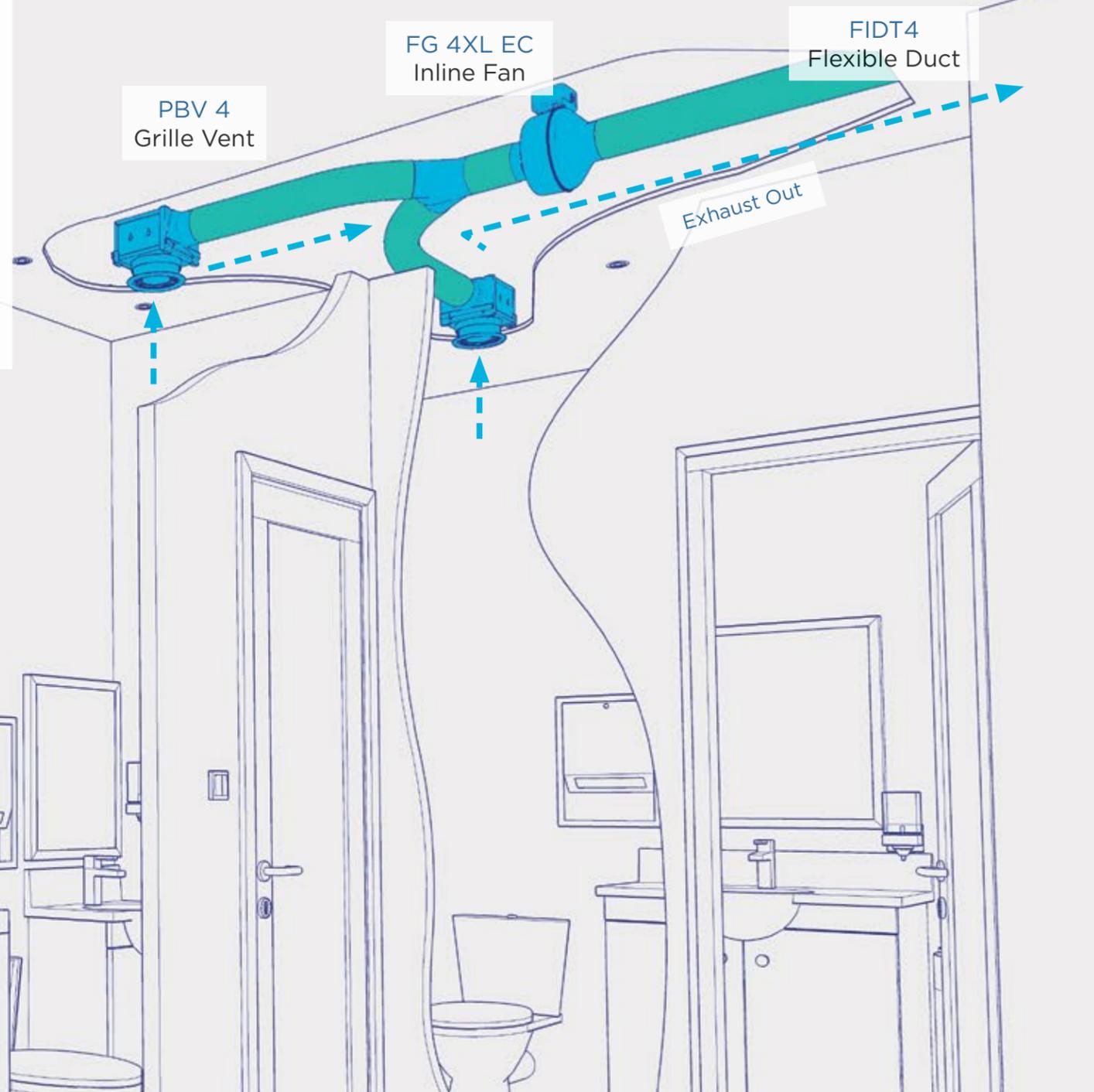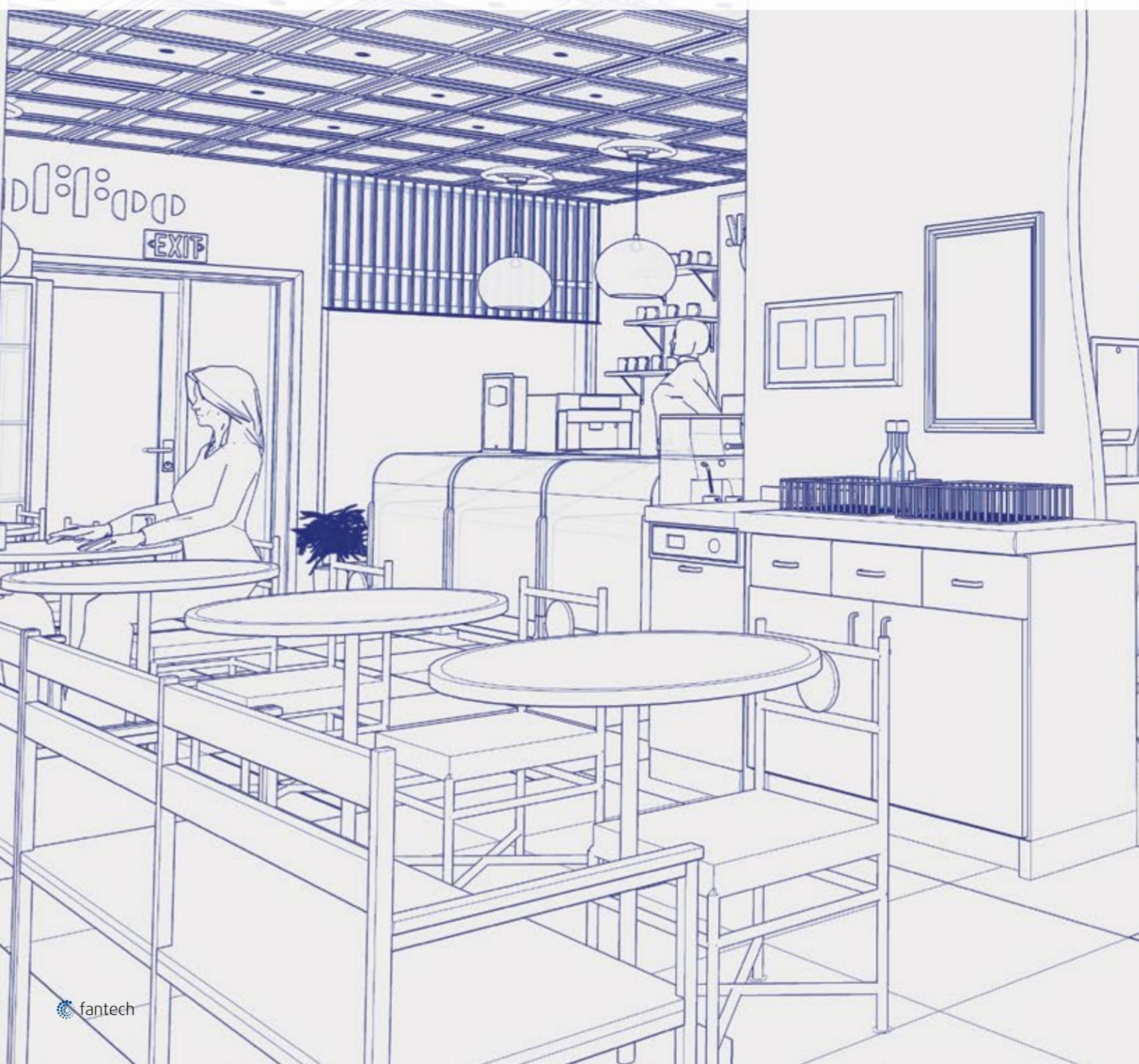
Buy This Package

FG 4XL EC	AND	PBV 4	AND	FY 4	AND	FIDT 4	AND	HS 4W
Inline Fan		Grille Vent		Y-Connector		Flexible Duct		Exhaust Vent

fantech

fantech

It's an attic, not a sauna.

Your attic space acts as a thermal buffer between your house and the ourdoors. 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.
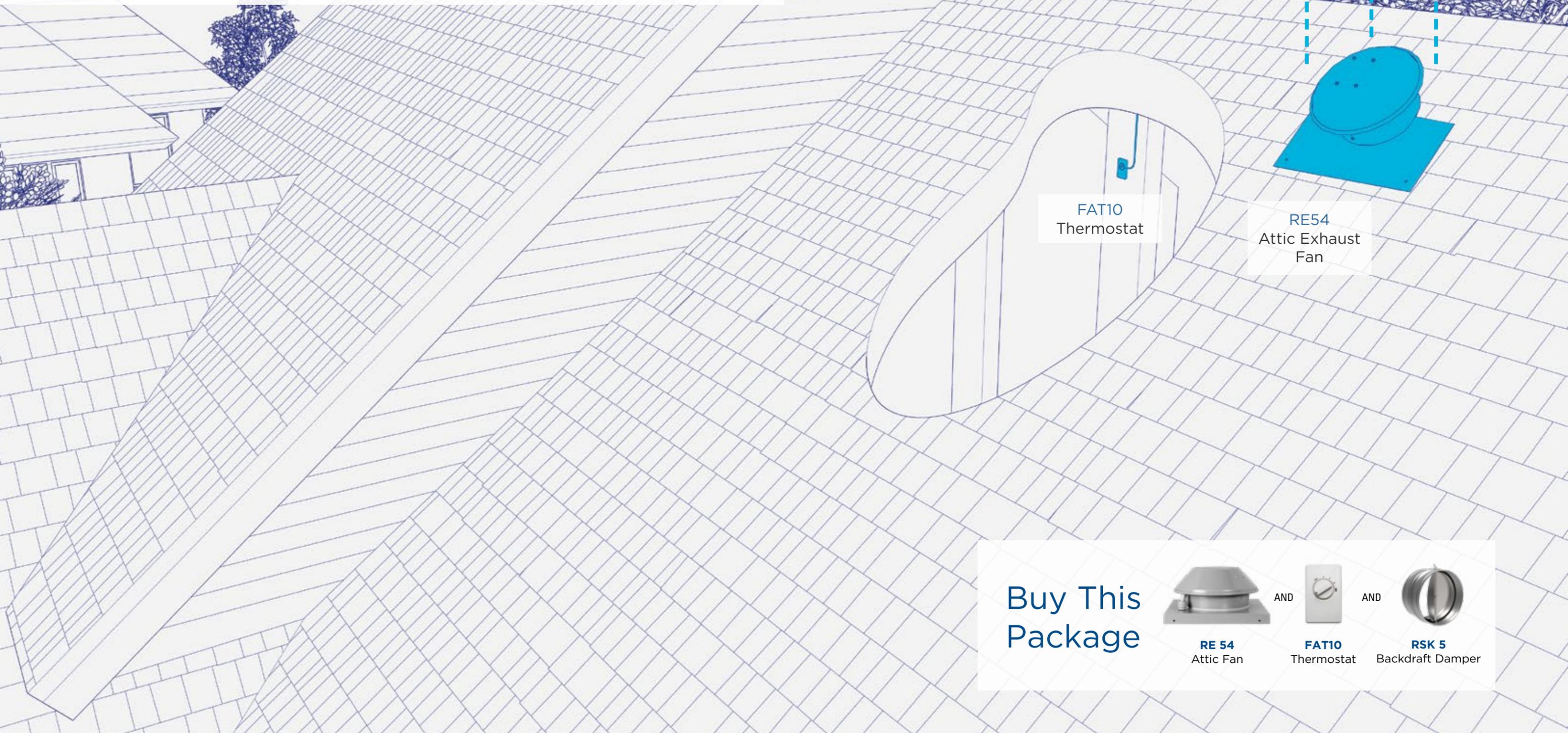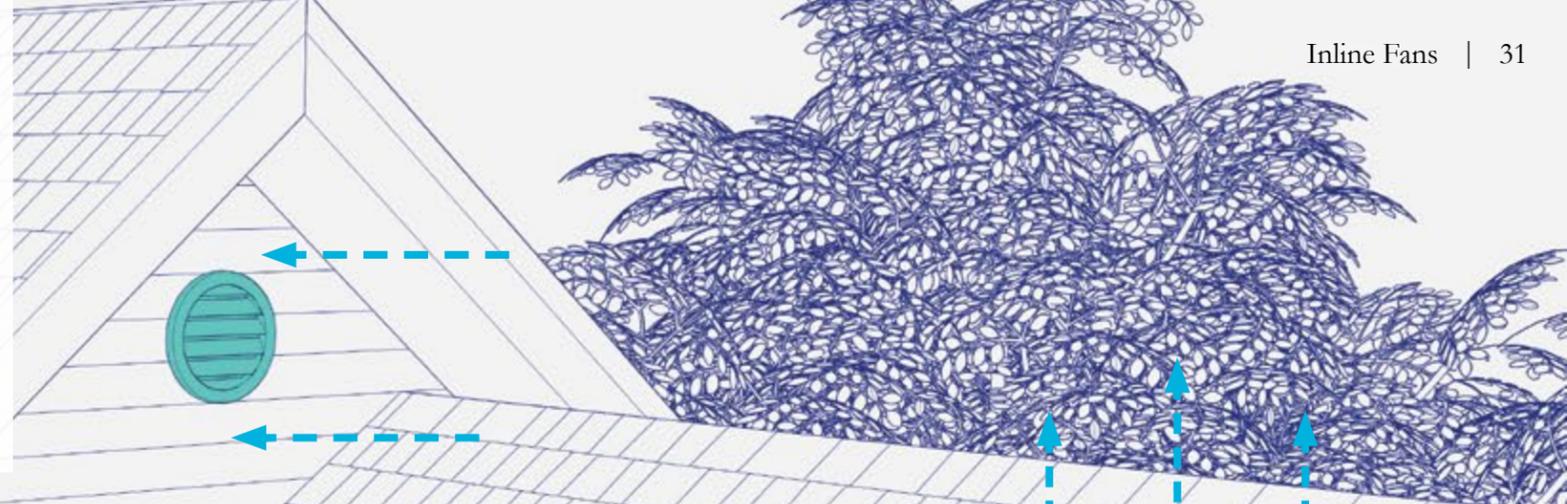
FAT10
Thermostat

RE54
Attic Exhaust
Fan

Buy This Package

AND

AND

RE 54
Attic Fan

FAT10
Thermostat

RSK 5
Backdraft Damper

RVF 4XL EC
Exhaust Fan

MGE 4
Exhaust Grille

INLINE doesn't mean INSIDE

Here is a creative example of how an exterior mount fan can be used in place of an inline fan. 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 4XL EC
Wall Mount Fan

AND

MGE 4
Exhaust Grille

AND

RSK 4
Backdraft Damper
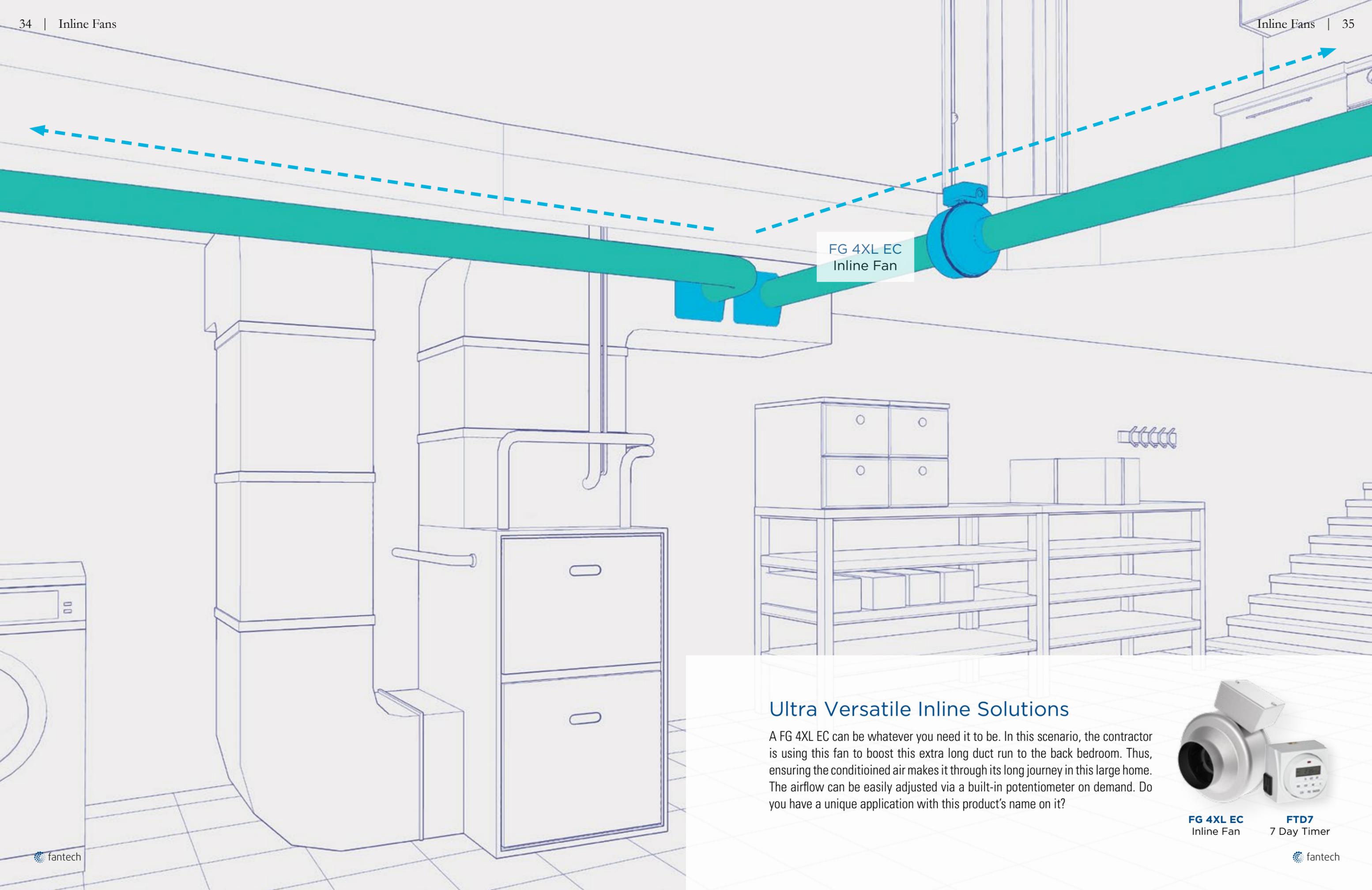
FG 4XL EC
Inline Fan

Ultra Versatile Inline Solutions

A FG 4XL EC can be whatever you need it to be. In this scenario, the contractor is using this fan to boost this extra long duct run to the back bedroom. Thus, ensuring the conditioined air makes it through its long journey in this large home. The airflow can be easily adjusted via a built-in potentiometer on demand. Do you have a unique application with this product's name on it?

FG 4XL EC
Inline Fan

FTD7
7 Day Timer

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 over 40 years, we have been committed to providing high quality products that not only save lives, but make yours just a little bit easier. Now, we are proud to share our simplified line of radon-specific fan systems and present two new products that aim to innovate and improve the installation process.

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 applictions 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.

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.

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	Rn3	Rn4EC
165 cfm max	165 cfm max	375 cfm max	555 cfm max
0.9 in.wg. max	1.95 in.wg. max	2.35 in.wg. max	4.4 in.wg. max
4 lbs	5 lbs	6 lbs	7 lbs

Our line. Simplified.

Leading the way in radon fan technology

Old Radon Fan Curves

Static Pressure, Inch W.C.
CFM

Legend: HP190, FR150, HP220, HP2190/Q, HP2133, HP 190SLQ, FR100, FR160, FR200, FR225, FR250

New Rn Fan Curves

Static Pressure, Inch W.C.
CFM

Legend: Rn1, Rn2, Rn3, Rn4EC

NEW
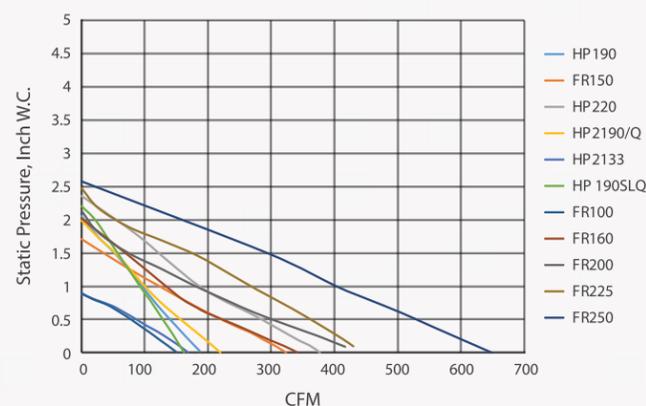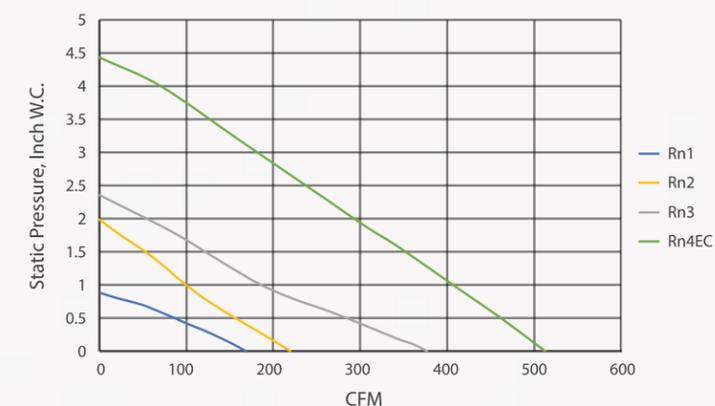
Rn2EC
Low Suction, Medium Airflow

The Rn2EC is equipped to handle anything its AC-equipped sibling can. But the Rn2EC can also be precisely dialed at specific performance points thanks to its EC motor; saving energy all year long.

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.

Rn2EC	Rn2SL
180 cfm max	160 cfm max
2.0 in. wg. max	2.1 in.wg max
8.5 lbs	6 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	36 lbs	27 lbs	36 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	Yes	Yes	No	No
Rn2	Yes	Yes	No	No
Rn3	No	No	Yes	Yes

Our fans love... our fans

Our fans don't lie. These are **real** testimonials from **real** fans of Fantech. Contact Fantech® today and learn what everyone is raving about.

fantech®   👁 4,527   ✕

David M
After 14 years and so many systems installed it's rare for me to get fan replacement calls. And that means quality!

Adam N
The Rn4EC is an amazing fan! It does what no other fan can do.

David G
Using the Rn4EC…we were able to double the pressure readings under the slab…

Introducing the
PRESSURE FIELD EXTENSION DIAGNOSTIC KIT

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

PFEDK
33 lbs

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

Check Out the
Free App
Scan Here

Learn More About
the PFEDK
Scan Here

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.

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!

Is your home radioactive?

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.
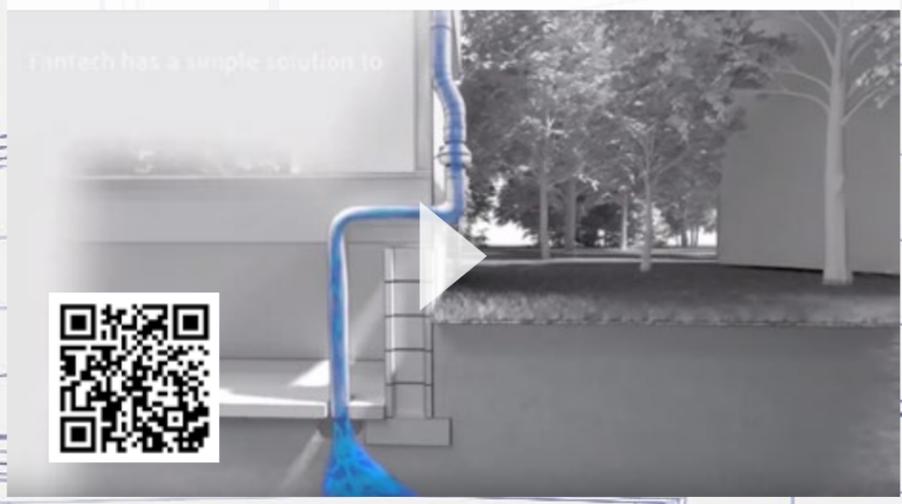
Rn4EC
High Flow and Suction

It may seem too good to be true, but you really can mitigate radon gas with one simple fan installation!

Radon Out

Radon Out

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 HRV or ERV 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).

MGS 6
Supply Grille

Fresh Air In

Fresh Air In

VHR 150
Fresh Air Appliance

MGE 6
Exhaust Grille
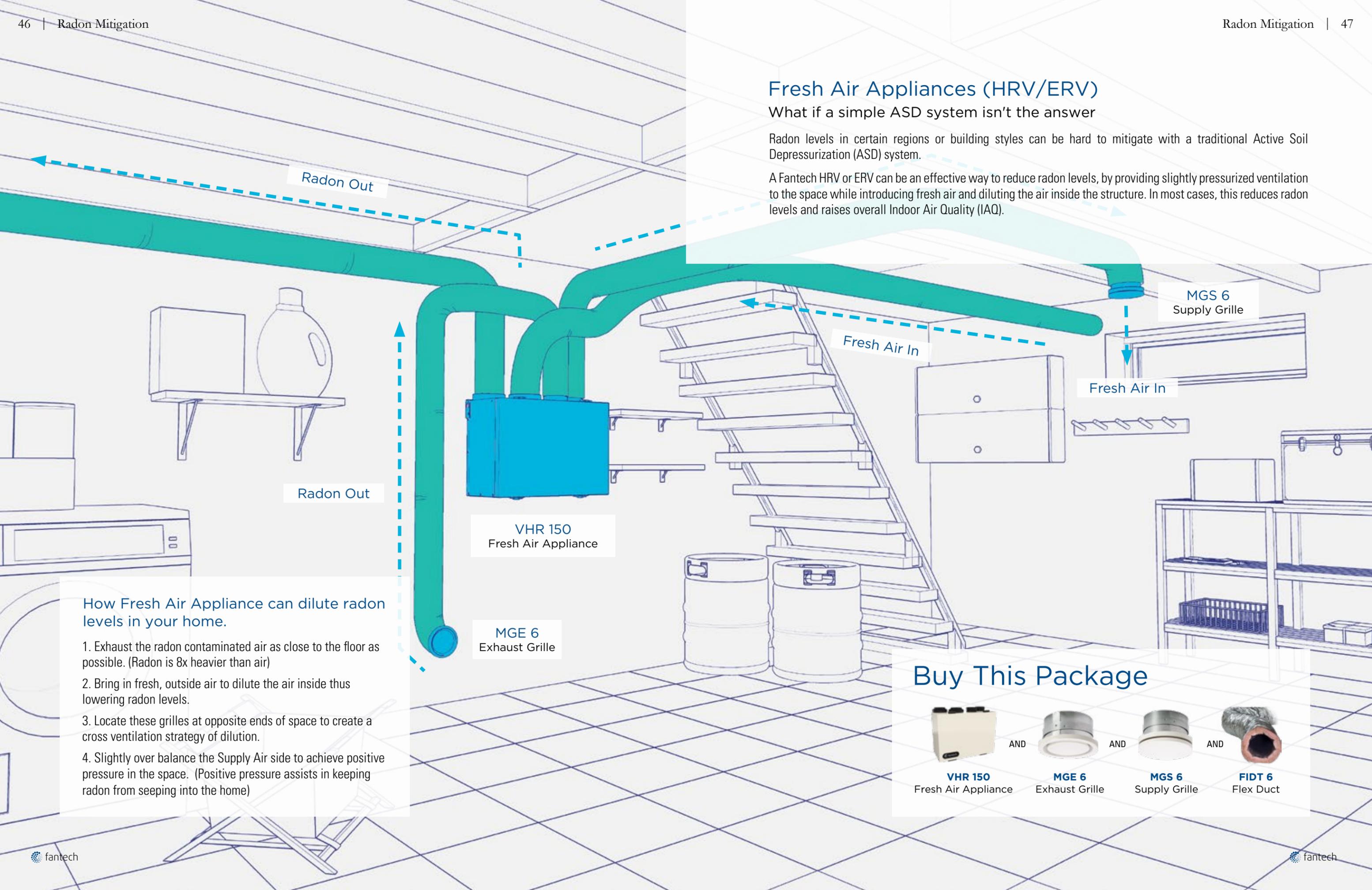
How Fresh Air Appliance can dilute radon levels in your home.

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 | AND | MGE 6 | AND | MGS 6 | AND | FIDT 6 |
| Fresh Air Appliance | | Exhaust Grille | | Supply Grille | | 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 mulitple 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.

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 · 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
110 cfm
9 lbs

PB 110L10 Premium Bath Fan
with a Dimmable 10W LED Light/Grille

PB 110L10
110 cfm
7 lbs

Accessories for Single Grille PB Series

PB 110
FIDT 4 Flexible Duct — AND — RC 4P Roof Cap — OR — HS 4W Exhaust Vent — AND — IPHS5 Humidity Sensor — OR — FD 60EM 60 min Timer

PB 190
FIDT 6 Flexible Duct — AND — RC 6P Roof Cap — OR — HS 6W Exhaust Vent

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
270 cfm
16 lbs

PB 270-2 (PB 370-2) Premium Bath Fan
with Two Ceiling Grilles

PB 270-2
270 cfm
16 lbs

PB 370-2
370 cfm
17 lbs

Accessories for Dual Grille PB Series

FIDT 6 Flexible Duct — AND — RC 6P Roof Cap — OR — HS 6W Exhaust Vent — AND — IPHS5 Humidity Sensor — OR — FLD 60 Light/Fan Switch

fantech

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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. 123

Grilles pair well with
CVS Series Remote Fans

CVS 300
Exhaust
Multi-Port Fan
p. 24

PBW Series
Exterior Mount Bath Fans

PBW 110 Exterior Wall Mount Bath Fan
with one Ceiling Grille

PBW 110
110 cfm
12 lbs

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

Introducing the IPHS5

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

NEW

- 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.

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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.

1/2 Bath

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

PB 110 110 cfm   OR   **PBW 110** 110 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

Full Bath

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

PB 110 110 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 270-2 270 cfm   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	$205.-	$205.-	PB 270L10-2 Remote Mount Bath Fan (270 CFM)	1 pc	$403.-	$403.-
Master Bathroom	Comparable 110CFM Ceiling Mount Fan	1 pc	$205.-	$205.-	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				$ 996.-				$ 734.-

Note: Prices are subject to market fluctuations
*Based on internet retail cost of Panasonic FV-11VQL6

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	✓	✓	✓

Contractor Packs Available

Each contractor pack contains Rough-in and Trim Kits for **4** PRO™ Series 80/100 Bath Fans.

x4

PRO™ 80 or100

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	**Pro™ 150**	**Pro™ Plus**	**Pro™ Plus -L**
80 or 100 cfm	150 cfm	80/90/110/140 cfm	80/90/110/140 cfm
9 lbs	9 lbs	12 lbs	12 lbs

PRO™ Series Accessories

PRO™ Ceiling Radiation Damper

PRO™ Series LED Light Grille
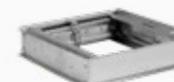
PRO™ PLUS Ceiling Radiation Damper

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

PB 270V-2
Remote Bath Fan
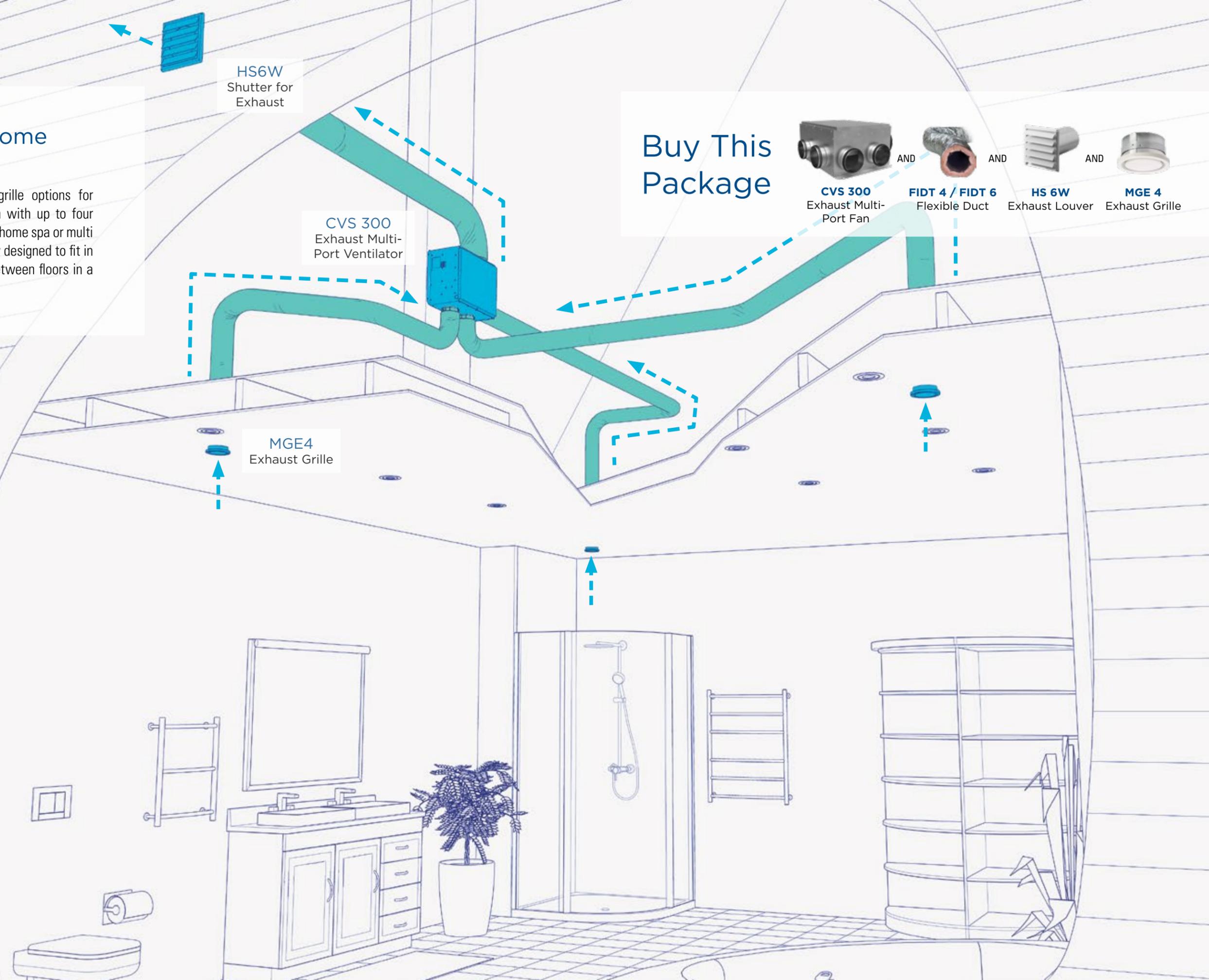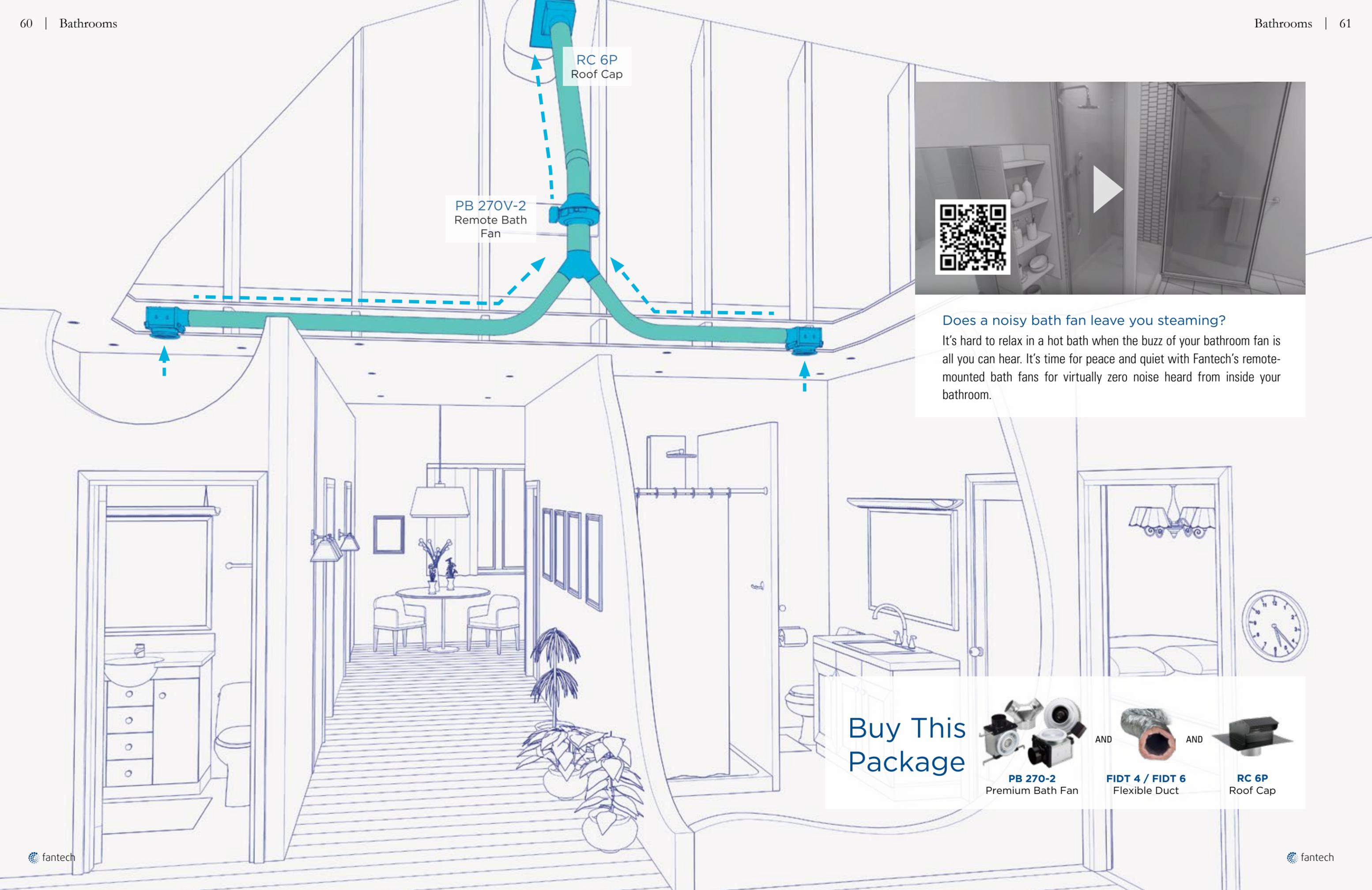
Does a noisy bath fan leave you steaming?

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

fantech

fantech
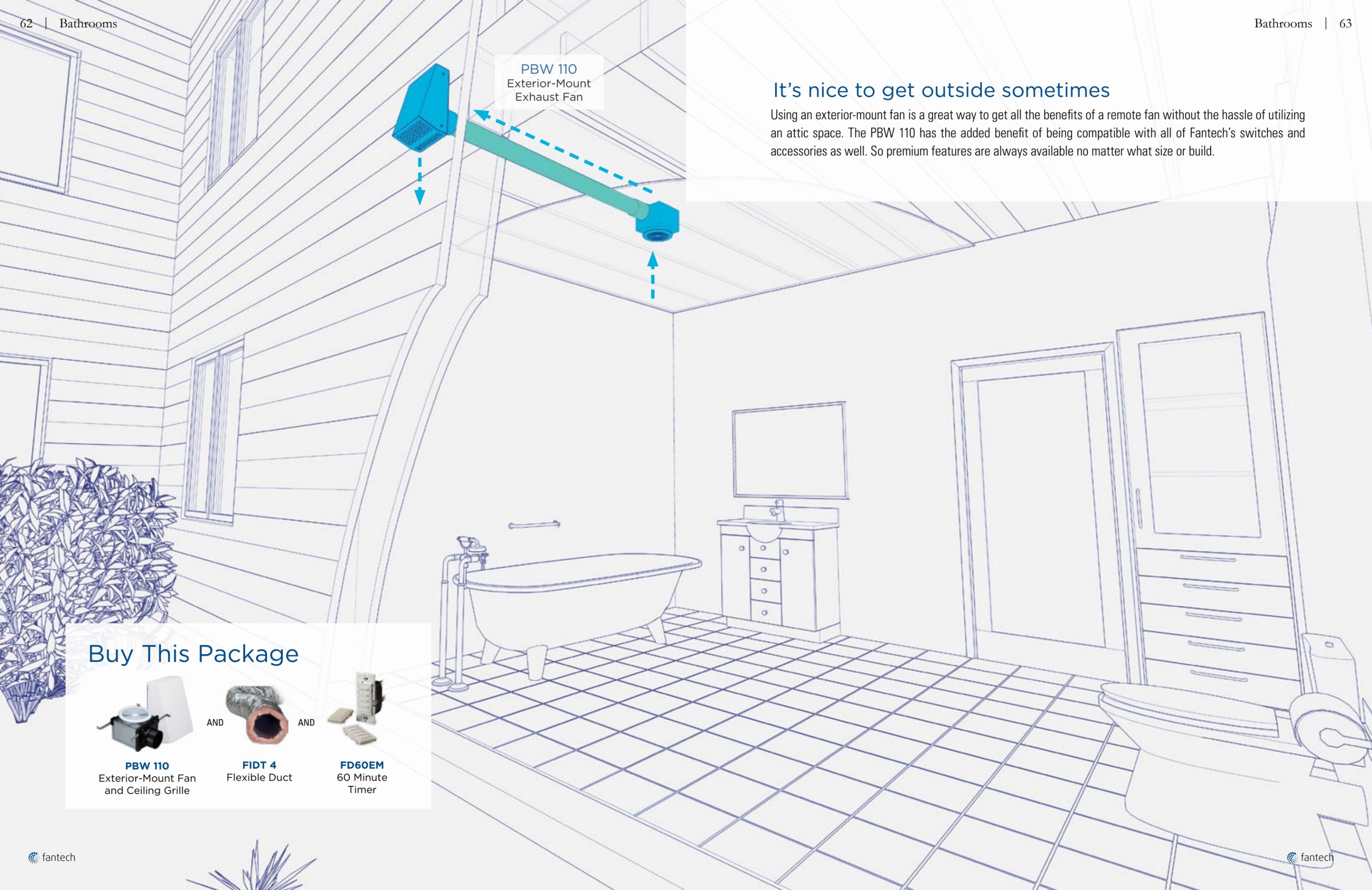
PBW 110
Exterior-Mount
Exhaust Fan

It's nice to get outside sometimes

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.

Buy This Package

AND

AND

PBW 110
Exterior-Mount Fan
and Ceiling Grille

FIDT 4
Flexible Duct

FD60EM
60 Minute
Timer

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.

For over 5 years, the DEDPV-705 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 ½ Foot Power Cord	LED Indicator Panel	Advanced Fire Safety Feature	Listed to UL-705 Standard
DEDPV-705	✓	✓	✓	✓	✓
DBF 4XLT	✓	✓	✓		
DBF 4XL	✓	✓			
DBF 110	✓				
RVF 4XL	*				

Product dimesions available online at fantech.net

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-705 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

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
- For high altitude applications, use 46006, DEDPV-705 High Alt Dryer Exhaust Fan

Product dimesions available online at fantech.net

DEDPV-705
Up To 130'
Duct Length
10 lbs

The **TRUE** DEDPV-705

Our UL Rating ensures confidence with future code changes.

What's in the box
DEDPV-705 ▶

DBF Series
Duct Booster Fans

The Fantech dryer exhaust 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
130' duct length
7 lbs

DBF 4XL
130' duct length
10 lbs

DBF 110
108' duct length
9 lbs

DBF 4XL
with pressure switch and power cord

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

DBF 110
with pressure switch

Exterior Mounted Fans Take the Fight Outside
A great solution when space is tight.

RVF 4XL & DB 10 Pressure Switch
Exterior-Mount Fan for Duct Boosting

If your laundry room is hard to reach or you don't have room for a traditional dryer fan, the RVF 4XL is your solution. Fantech's popular exterior-mount exhaust fan with white, powdercoated metal housing can be used for dryer exhausting when paired with the accessory DB10 pressure switch (purchased separately). The switch is required for use with fan model RVF 4XL when used in a dryer exhaust application.

DB 10 Pressure Switch
Within 10 seconds of your dryer being ran, our dedicated, automatic sensor will turn the dryer exhaust fan on. This ensures the fan will be ran as long as the dryer is on plus an extra 10 minutes to ensure the heat and moisture escape the duct run.

RVF 4XL
130' Duct Length
7 lbs

DB 10
120V
1 lb

REGISTER TODAY
Gain easy access to extended warranties and accesories to keep your fan at peak performance.
registration.fantech.app

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.

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).

+5 ft
Duct Bend

65 ft
Duct Run

DEDPV-705
Dryer Exhaust Duct
Power Ventilator

Dryer Exhaust
Out

HS 4W
Exhaust Vent

DBLT 4W
Lint Trap

+5 ft
Duct Bend

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.
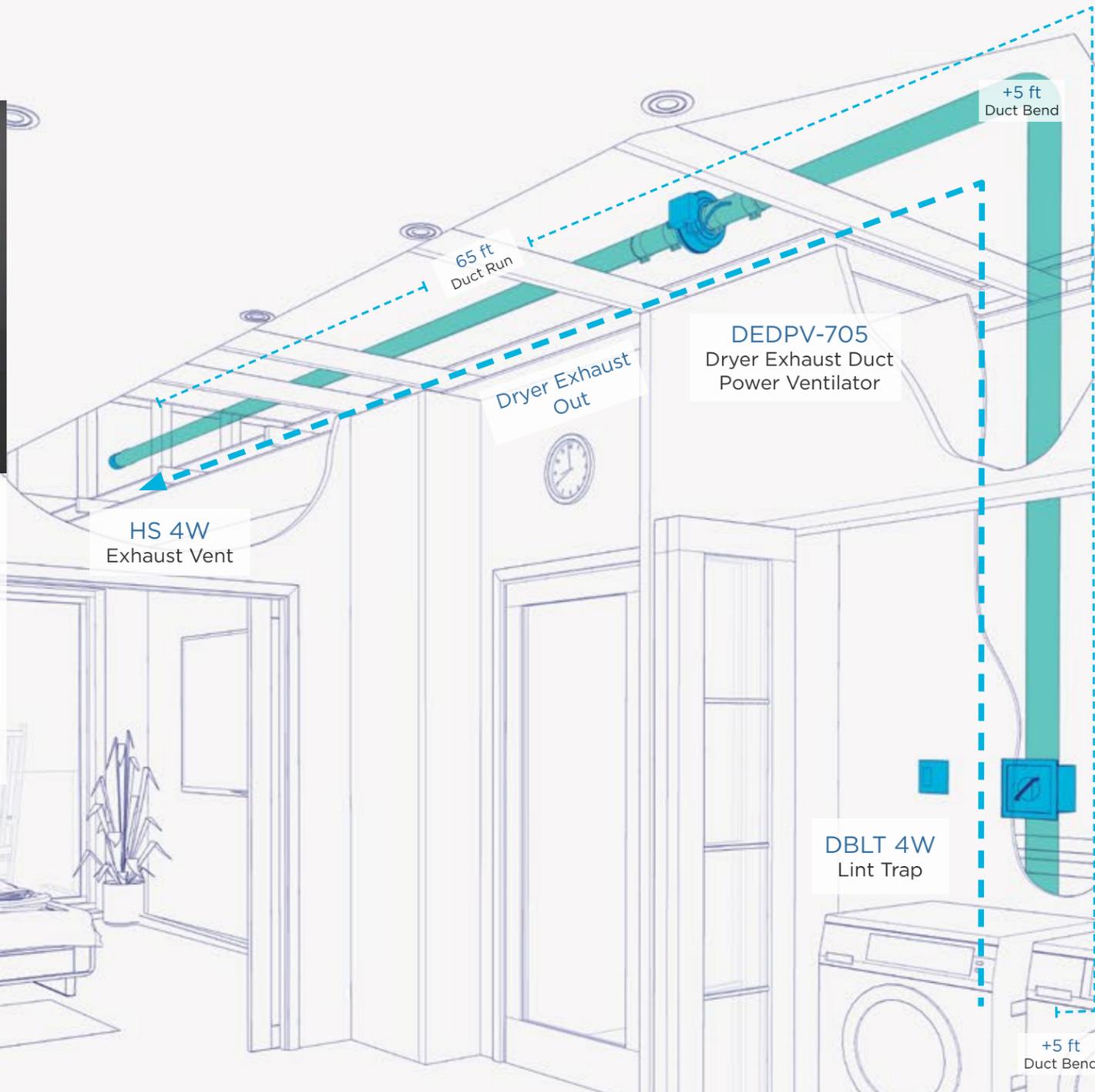
Calculate Your Duct Runs*

The DEDPV-705 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
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).

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

Calculate Your Duct Runs*

The RVF 4XL fan is rated up to **110 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 **53 linear feet** with **two** 90 degree elbows, then the total duct run is **63 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 an RVF 4XL for this application.

RVF 4XL
Exterior-Mount
Exhaust Fan

DB 10
Pressure
Switch

63 ft
Duct Run

+5 ft
Duct Bend

Dryer Exhaust Out

DBLT 4W
Lint Trap

+5 ft
Duct Bend

Its time to go outside.

Not every home is capable of installing a traditional inline dryer exhaust fan. Maybe the pitch of your roof is too shallow or a tricky remodel moved the laundry away from the adjoining living room so they could actually hear the television. If you've got a laundry room in a space that needs something different, you can take the fight outside with the RVF 4XL. Adding the required DB10 Automatic Pressure Switch lets you set it and forget it!

Buy This Package

AND

AND

RVF 4XL
Exhaust Fan

DBLT 4W
Lint Trap

DB 10
Pressure Switch

*Example written based on residentail 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.

Fresh air doesn't come in a can...

Your house is a lot like this can: Sealed tight.

But unlike this can, your home isn't full of fresh air. Rather, the air in your home has a tendency to recirculate without exhausting contaminants. A Fresh Air Appliance from Fantech adds pure, fresh air all year long.

FRESH AIR

SERVING SIZE: 1 BREATH

How exactly does a 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

ENERGY TRANSFER
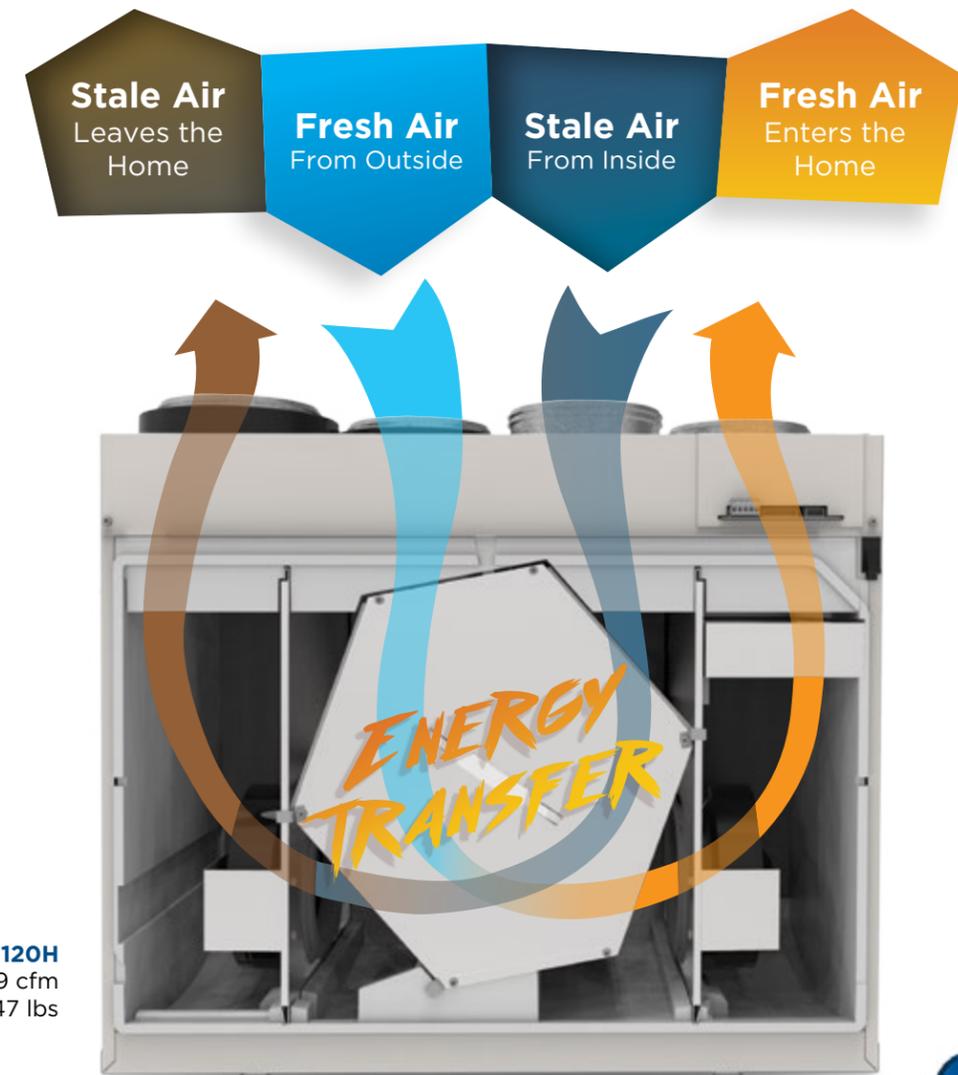
HERO 120H
119 cfm
47 lbs

Turn the page for details about our newest installment of the Fantech family.

NEW

HER○
HERO SERIES
Fresh Air Appliance

fantech

fantech

EVERY HOME NEEDS A

HERO

HERO SERIES
Fresh Air Appliance

There's A New Sheriff In Town
Introducing the **HERO** Series fresh air appliance.

The **HERO** Series features a brand new core design, light-weight insulated cabinet, and on board electronics that ensure efficiency in your home.

CLEAN OUTDOOR AIR
is drawn into the unit.

FRESH SUPPLY AIR
is distributed throughout the house main living areas (bedrooms, living rooms, den, dining rooms and recreational room).

STALE, MUSTY, HUMID AND IMPURE AIR
is extracted from the home (bathrooms, kitchen, laundry room) and used to warm up cold incoming air.

UNHEALTHY AIR
is expelled outdoors.

INNOVATIVE COUNTERFLOW CORE
The state-of-art counterflow core is designed to exchange the energy between two streams of air while keeping them apart to avoid contamination.

HERO 120H

HERO 150H

HERO 200H

HERO 150H-EC

HERO 250H-EC

- Energy Superstars -
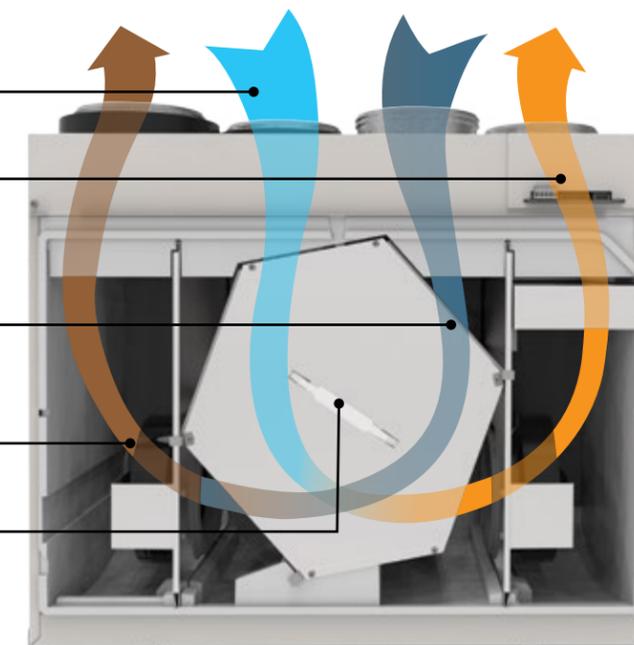
HERO 120H	**HERO 150H**	**HERO 200H**	**HERO 150H-EC**	**HERO 250H-EC**
119 cfm	161 cfm	218 cfm	176 cfm	263 cfm
47 lbs	59 lbs	64 lbs	58 lbs	62 lbs

HERO products come with a mounting bracket.

REGISTER TODAY
Gain easy access to replacement filters and keep your Fresh Air Appliance at its peak performance.

registration.fantech.app

fantech

fantech

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.

Number of Bedrooms Supported

2 Bed	3 Bed	4 Bed	5 Bed	5+ Bed

SER 150, 200

SER 260D

SHR 150, 150R, 200

VER 100

VER 150

VER 200
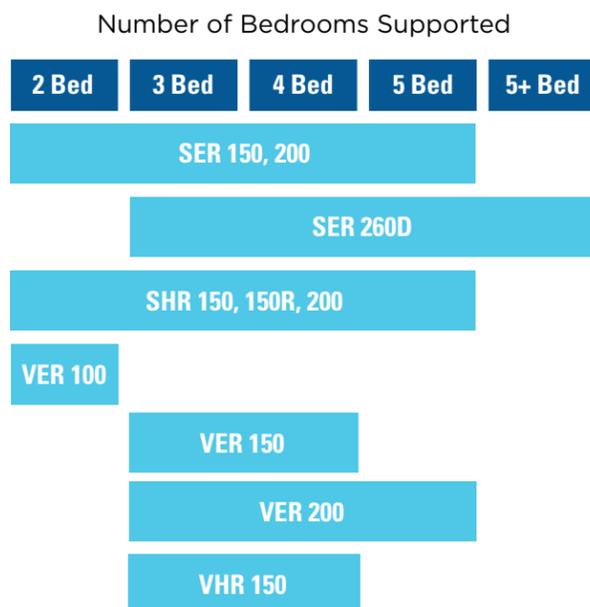
VHR 150

SER 150, 200, 260D
with Energy Recovery

SHR 150, 150R, 200
with Heat Recovery

VER 100, 150, 200*
with Energy Recovery

VHR 150*
with Heat Recovery

SHR 260RD
with Heat Recovery

SHR 260 features an extra duct for recirculation and defrost cycles.

Appliances with Energy Recovery

SER 150	SER 200	SER 260D	VER 100	VER 150	VER 200
145 cfm	187 cfm	239S cfm	124 cfm	148 cfm	170 cfm
48 lbs	50 lbs	79 lbs	52 lbs	49 lbs	52 lbs

Appliances with Heat Recovery

SHR 150	SHR 150R	SHR 200	VHR 150	SHR 260RD
159 cfm	159 cfm	134 cfm	159 cfm	239 cfm
48 lbs	48 lbs	50 lbs	48 lbs	79 lbs

*Hanging chains with springs come with the product. To mount product on a wall, the wall mount must be purchased seperately. See p.123 for details

Adding a flitler box can add wellness value to your home.

FB 6
Filter Box
p. 145

Fresh Air Appliances for Plan & Spec Projects

Hello Project Series

The Project Series comes in many sizes to fit any niche of an apartment, town-house, or small single family home. The variety of form factors also lends itself to be great for retrofit applications.

Number of Bedrooms Supported

2 Bed	3 Bed	4 Bed

FIT 120 E®

VHR 70/70R ES
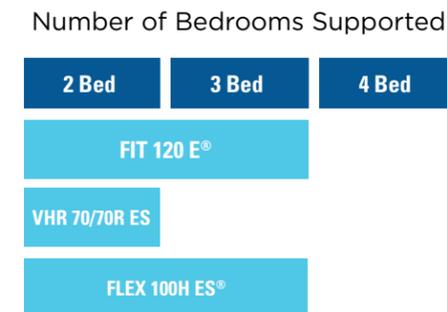
FLEX 100H ES®

FIT 120E®
with Energy Recovery
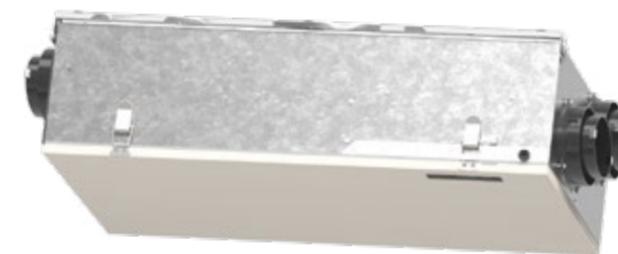
VHR 70R ES
with Heat Recovery

FLEX 100H® ES
with Heat Recovery

VHR 70
with Heat Recovery

FIT 120E®	VHR 70R ES	VHR 70	FLEX 100H® ES
112 cfm	134 cfm	57 cfm	104 cfm
41 lbs	49 lbs	30 lbs	46 lbs

All products come with a mounting bracket.

Always Use an ECO-Touch®

ECO-Touch® is compatible with all of Fantech's fresh air appliances.

Note: ECO-Touch® is REQUIRED for calibration of units upon installation.

See p. 93

fantech   fantech

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.

COM 6P
Louvered Shutters for Supply & Exhaust

Stale Air to Outside

FIDT 6
Flexible Duct

Fresh Air from Outside
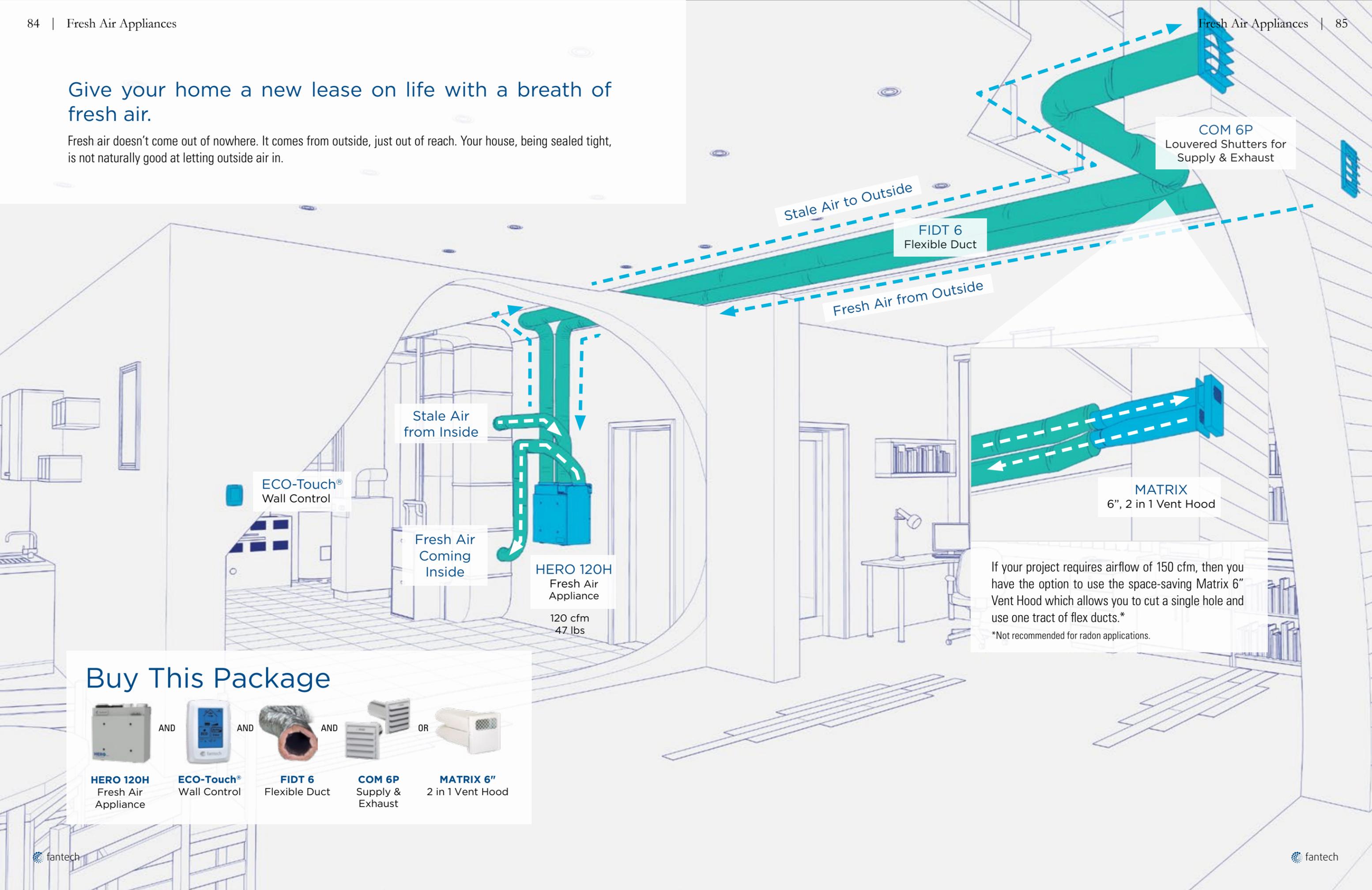
Stale Air from Inside

ECO-Touch®
Wall Control

Fresh Air Coming Inside

HERO 120H
Fresh Air Appliance

120 cfm
47 lbs

MATRIX
6", 2 in 1 Vent Hood

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®
Wall Control

AND

FIDT 6
Flexible Duct

AND

COM 6P
Supply & Exhaust

OR

MATRIX 6"
2 in 1 Vent Hood

fantech

fantech

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.

Stale Air to Outside

Fresh Air Coming Inside

Fresh Air from Outside

Fit 120E
Fresh Air
Appliance

112 cfm
41 lbs

Stale Air from Inside
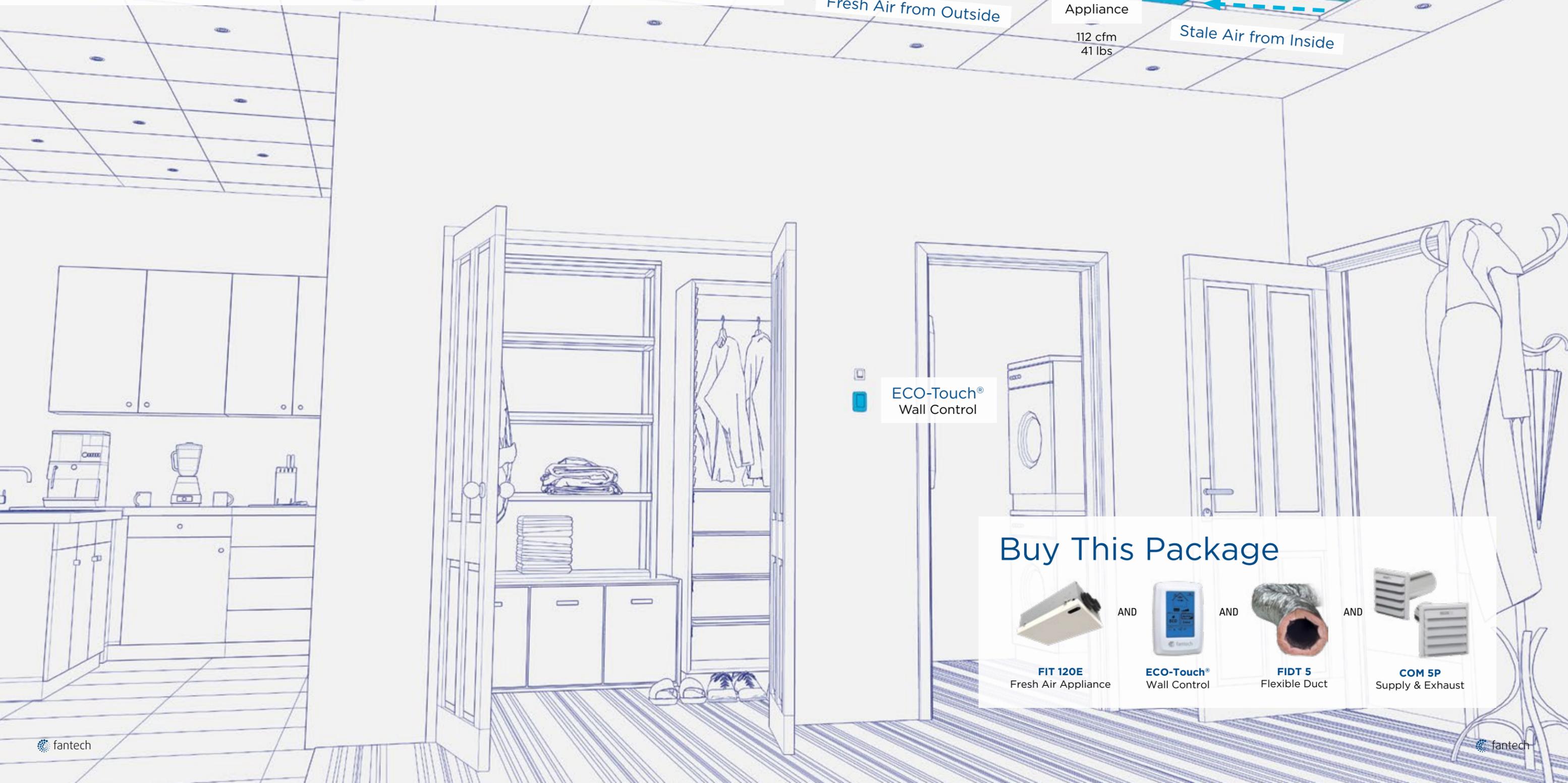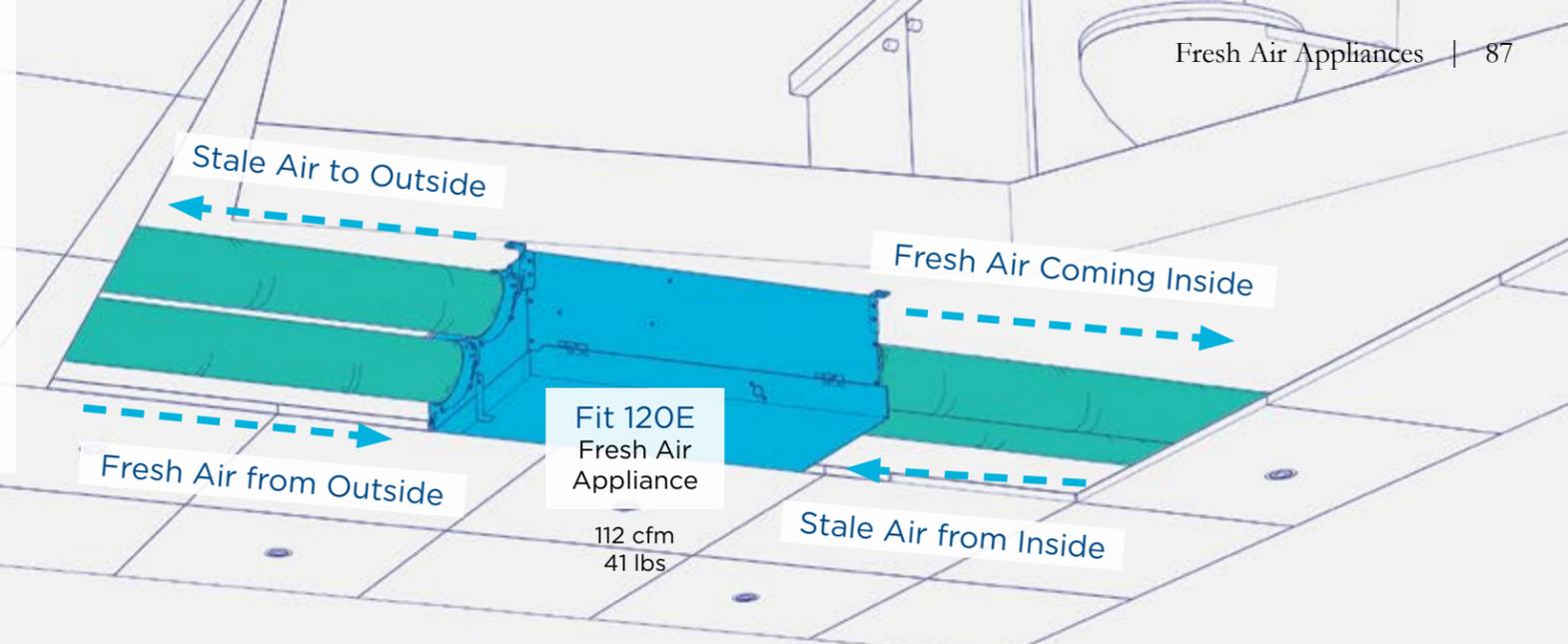
ECO-Touch®
Wall Control

Buy This Package

FIT 120E
Fresh Air Appliance

AND

ECO-Touch®
Wall Control

AND

FIDT 5
Flexible Duct

AND

COM 5P
Supply & Exhaust
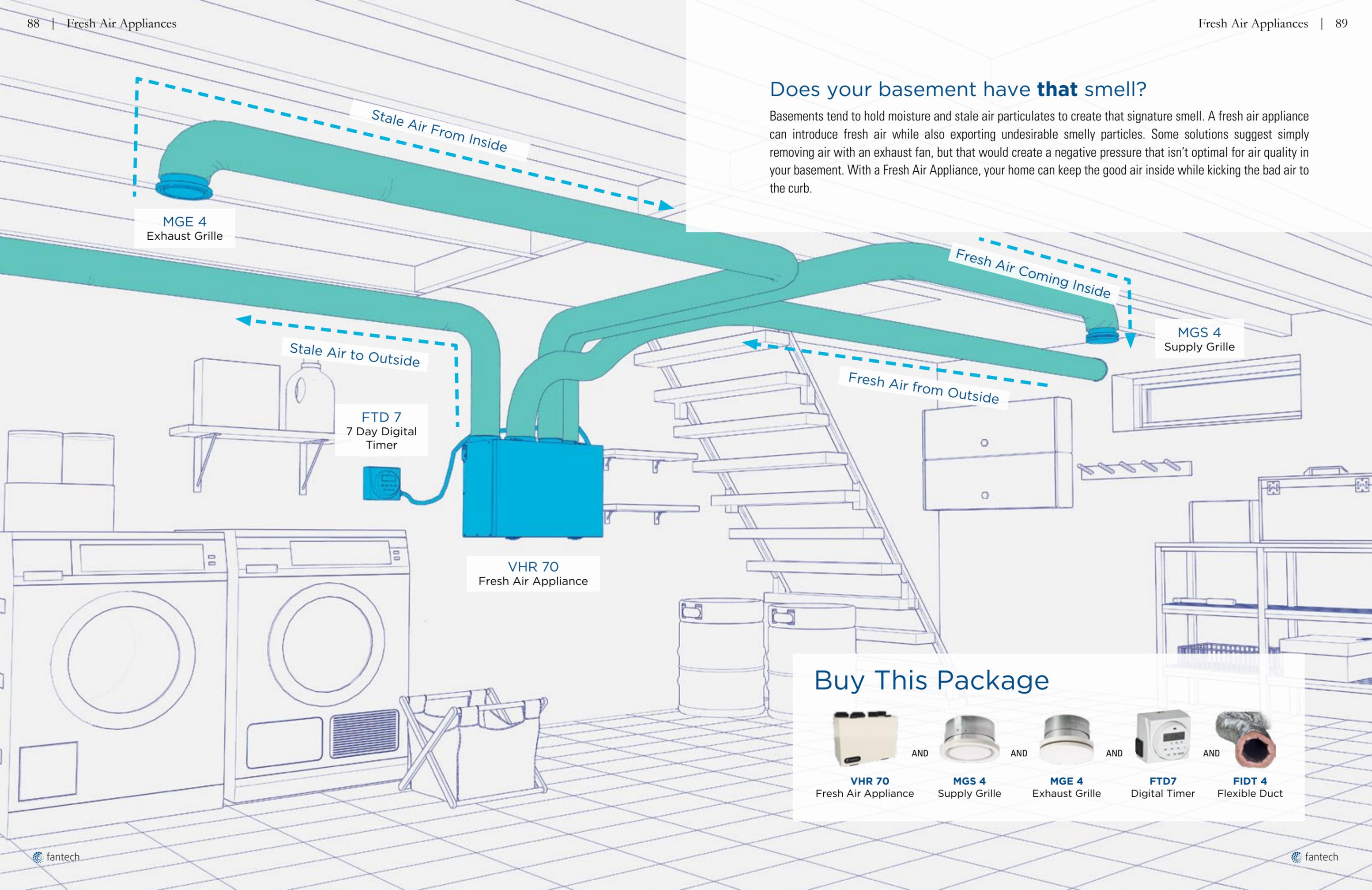
Does your basement have **that** smell?

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.

Stale Air From Inside

MGE 4
Exhaust Grille

Fresh Air Coming Inside

MGS 4
Supply Grille

Stale Air to Outside

Fresh Air from Outside

FTD 7
7 Day Digital Timer

VHR 70
Fresh Air Appliance

Buy This Package

VHR 70		MGS 4		MGE 4		FTD7		FIDT 4
Fresh Air Appliance	AND	Supply Grille	AND	Exhaust Grille	AND	Digital Timer	AND	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	**SHR 700**	**SHR 800**	**SHR 1200**	**SHR 1400**
468 cfm	723 cfm	794 cfm	1219 cfm	1428 cfm
132 lbs	215 lbs	198 lbs	252 lbs	236 lbs

SER 450	**SER 700**	**SER 1100**	**SER 1300**
468 cfm	707 cfm	1179 cfm	1300 cfm
132 lbs	169 lbs	210 lbs	207 lbs

ECHO™ Class

EC motors High Output

Fantech's new ECHO™ Class (EC High Output) of heat/ energy recovery ventilators are a testament to what's possible when you start with a clean sheet of paper. The result? The ECHO Class clearly stands apart with best in class performance, design, features and usability. When you add to that an obsessive attention to detail, ergonomics and quality, it's no surprise this ECHO Class ERV/HRV is leading the way in performance and technology.

ECHO™ H2800Xi	**ECHO™ E2800Xi**
2,800 cfm	2,800 cfm
850 lbs	750 lbs

Always Use an ECO-Touch®

ECO-Touch® Pgrm Wall Control
Compatible with all Fresh Air Appliances*
*except for SH704 and VH704

Keep your Fresh Air Appliance in check with this easy-to-use accessory.

Even our largest fresh air appliances can be calibrated with a traditional ECO-Touch®. Keep one in your tool kit for easy calibration if the homeowner doesn't want to keep one installed in their home.

- 20 minutes ventilation / 40 minutes recirculation, speed selectable mode
- Relative humidity display
- Preferences for desired indoor relative humidity
- ECO Mode will automatically choose the best operating settings based on the home's current conditions
- LCD backlit touch screen
- Ventilation mode is displayed on screen
- No battery to replace

Fresh Air Coming Inside
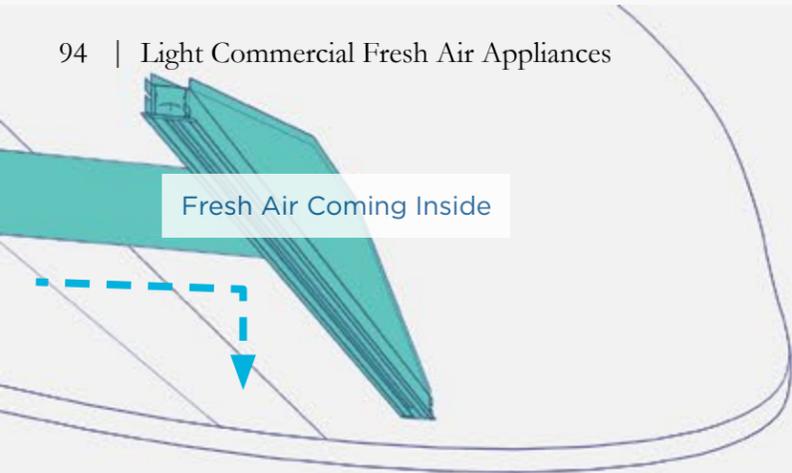
Summer Fun Year Round
How to keep the summer breeze blowing no matter how cold.

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.

Stale Air Going Outside

Fresh Air Coming Inside

SHR 1400
Fresh Air Appliance

Buy This Package

SHR 1400
Fresh Air Appliance

AND

ECO-Touch®
Wall 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 2-3 days without water, but you can only live a few minutes without air. Shouldn't we treat air with even more respect?

Pet dander and other allergens are no match for a whole house filtration system by Fantech.

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

CM 3000
240 cfm
21 lbs

Replacements Available

A ventilator is only as good as its filter.

RPFH 1315
Replacement Carbon
and Pre-Filter
Combo Pack

RHF 16
Replacement
HEPA Filter
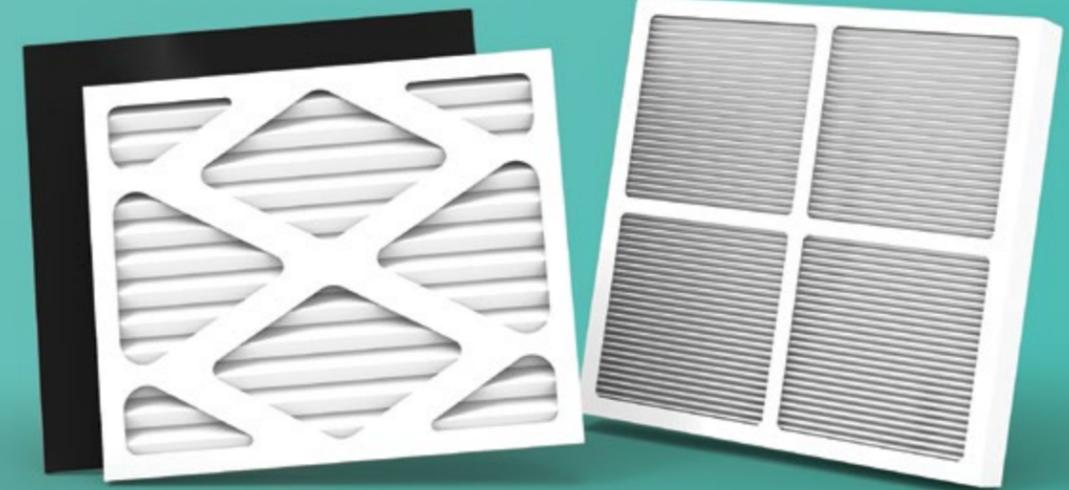
Ensure a properly functioning ventilator by replacing your filters and prefilters according to the recomendation on the package.

Filtration
Whole Home Indoor Air Quality Solutions

CM/DM Series
Whole-House HEPA Filtration

Model	HEPA Grade Filter	Pre Filter	Carbon Filter	Hanging Chains	Duct Mount Kit	Insulated Cabinet	Pressure Switch
CM3000	✓	✓	✓	✓			
CM3000I	✓	✓	✓	✓		✓	
DM3000P	✓	✓	✓		✓		✓

Product dimesions available online at fantech.net

CM3000: Used in geographical locations where the product unit can be installed in a conditioned space such as a basement, closet or heated crawl space.

CM3000I: Used in southern U.S. states where it's common to locate HVAC equipment in an unconditioned space such as a garage or attic. Insulation prevents condensation problems.

CM models come with four collars, two pieces of UL Listed 8" flex duct and hanging chains.

Both CM3000 models can work of this 7-day programmable timer on demand.

FTD7
120 V
1 lbs

REGISTER TODAY
Gain easy access to replacement filters and keep your HEPA Filtration Unit at its peak performance.

registration.fantech.app

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

Fantech's CM/DM Series filter boxes 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.

DM3000P: Includes a differential pressure switch. The unit will remain OFF until the pressure switch detects airflow in the forced air system's duct. As airflow is detected, the DM3000P is turned ON. Optionally, the CM 3000 and CM 3000I version can operate continuously regardless of the forced air system's operation.

CM 3000	CM 3000I	DM 3000P
240 cfm	240 cfm	240 cfm
21 lbs	22 lbs	22 lbs

- Suitable for homes up to 2,200 sq.ft.
- Three levels of filtration
- 99.97% of particles down to 0.3 microns

Equipped with 240 CFM motor
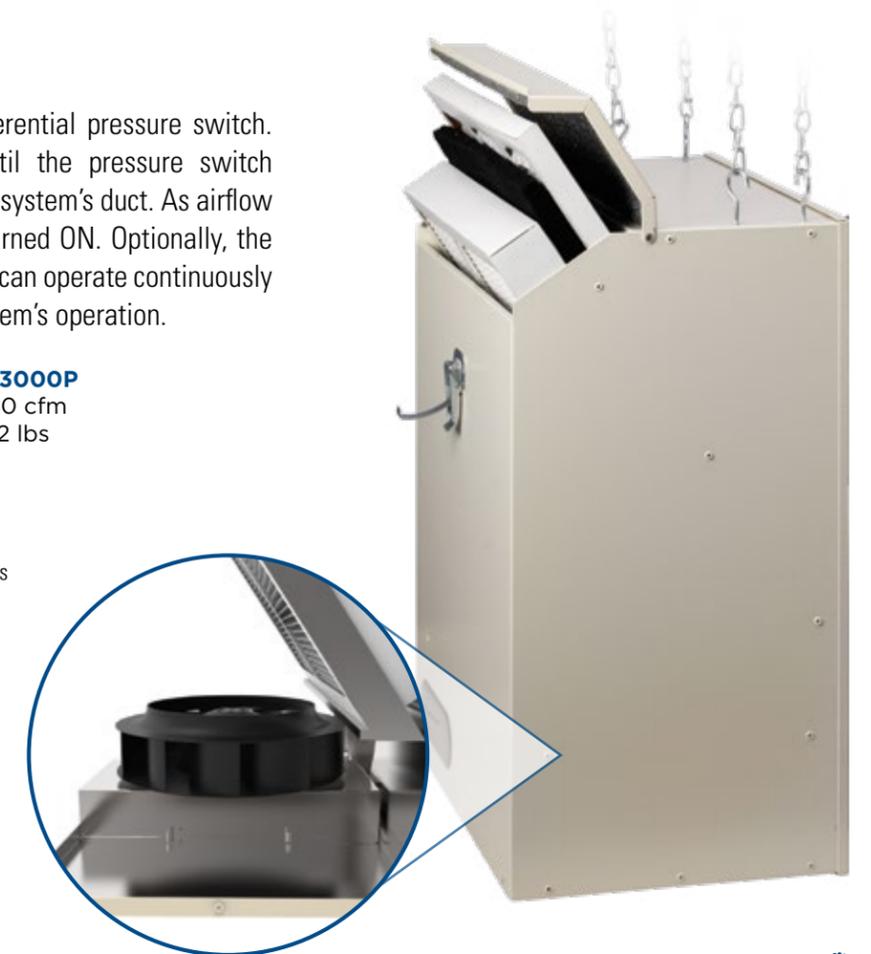
Beware of the Air!

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

Air is precious and easily contaminated by the everyday chemicals we use to cook, clean, and play in our homes. Let Fantech relieve some of the pressure with a HEPA filters scrub 99.9% of particles that pass through it! A variety of form factors and insulated options really leave you with no excuse not to install one of these affordable, whole-home filter options.

Read More
Laundry applications and dryer solutions. p64

DBLT 4W
Secondary
Lint Trap

DM 3000P
HEPA Filtration Unit
Collar mount
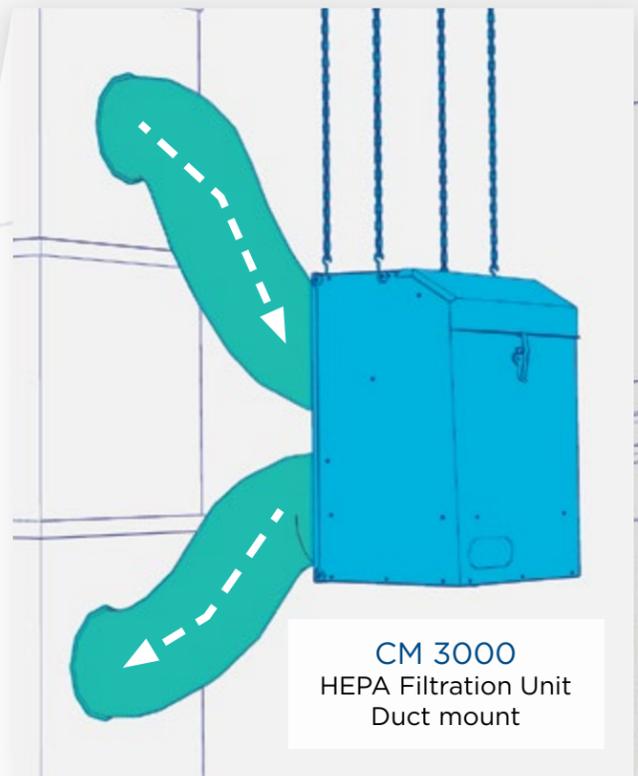
CM 3000
HEPA Filtration Unit
Duct mount

Consider the space when you are installing a filter box.
Not every HVAC system 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

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.

>5Pa
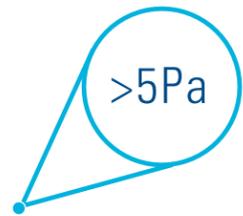
Non-compliance with the US and Canadian building codes

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 Make Up Air System.

Heater   Fan   Damper

Silencer   Filter   Intake
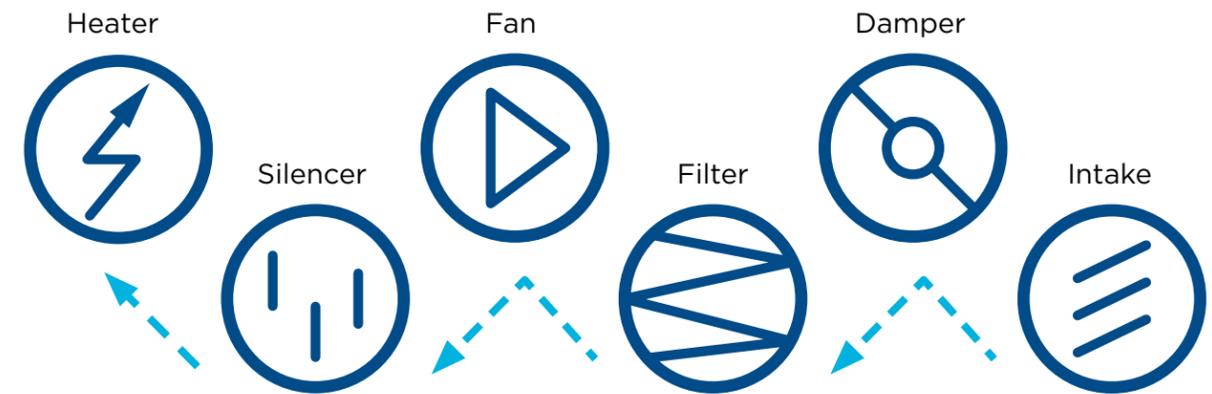
Fantech Makeup Air Controller (FMAC)

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 natualy let itself back in. But that isn't ideal for 12 months a year.

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

MUAS 750
750 cfm
121 lbs

MUAS 1200
1200 cfm
132 lbs

Size your Makeup Air System

Select the Makeup Air System with capacity to compensate for the maximum air flow rate of the exhaust system being served. The MUAS includes all system component items except a heater (optional accessory), wiring, duct work, insulation and electrical disconnect.

Makeup Air Systems and Matching Exhaust Fans for Hood Liners

MUAS MODEL	MUAS 750	MUAS 1200	MUAS 1600	MUAS 2000
COMPATIBLE EXHAUST FAN	FKD 8XL EC	FKD XL10 EC	FKD 12XL EC	FKD 14XL EC

FKD 8XL EC   FKD 10XL EC   FKD 12XL EC   FKD 14XL EC
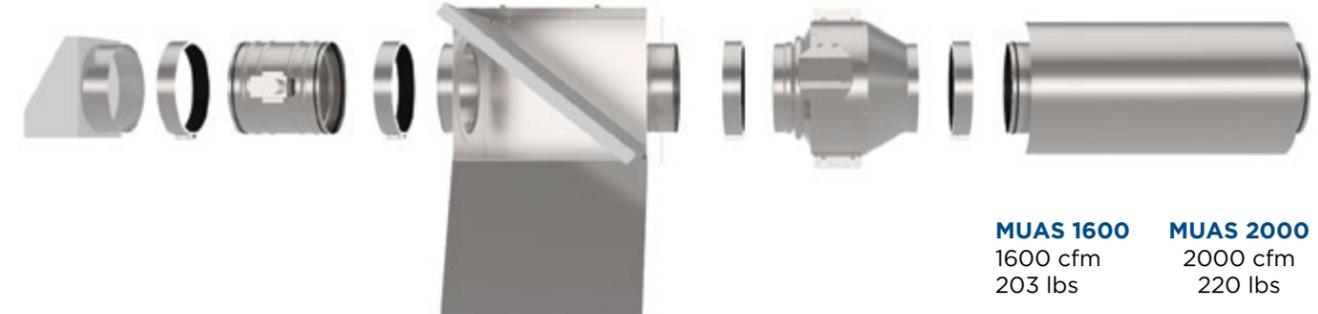
MUAS 1600
1600 cfm
203 lbs

MUAS 2000
2000 cfm
220 lbs

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
20 lbs	92 lbs	121 lbs	146 lbs

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

registration.fantech.app

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
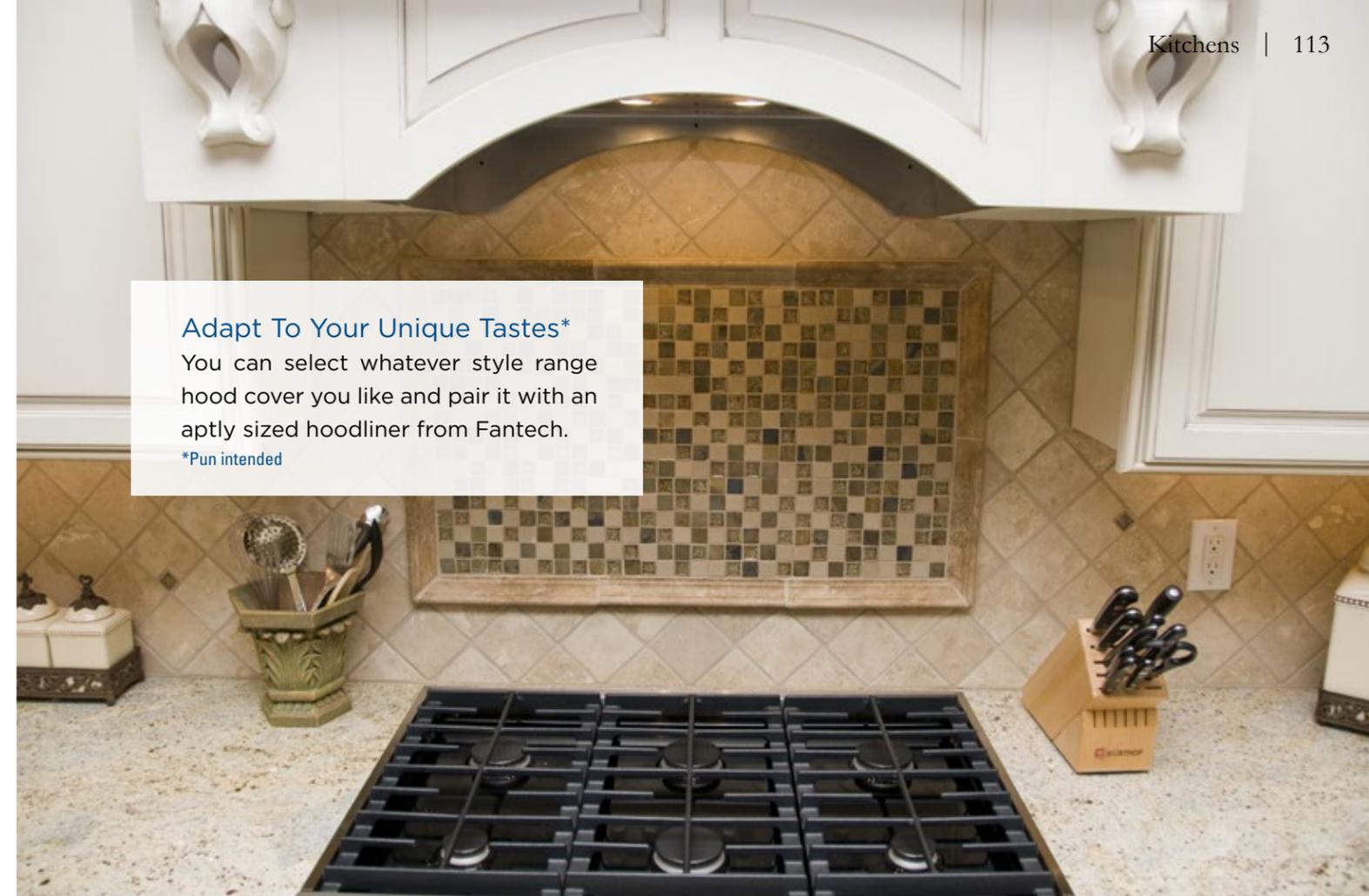
Kitchen Exhaust Accessories

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

RC8P   RC10P   RC12P

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

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   RSK 14

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

? **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 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.

Stale Air Goes Out

Exhaust Fan

Duct Silencer

Duct Heater

Duct Silencer

Fresh Air Comes Inside

Makeup Air Fan

Air Diffuser

Filter Cassette

Wall Intake Hood

Exhaust Hood
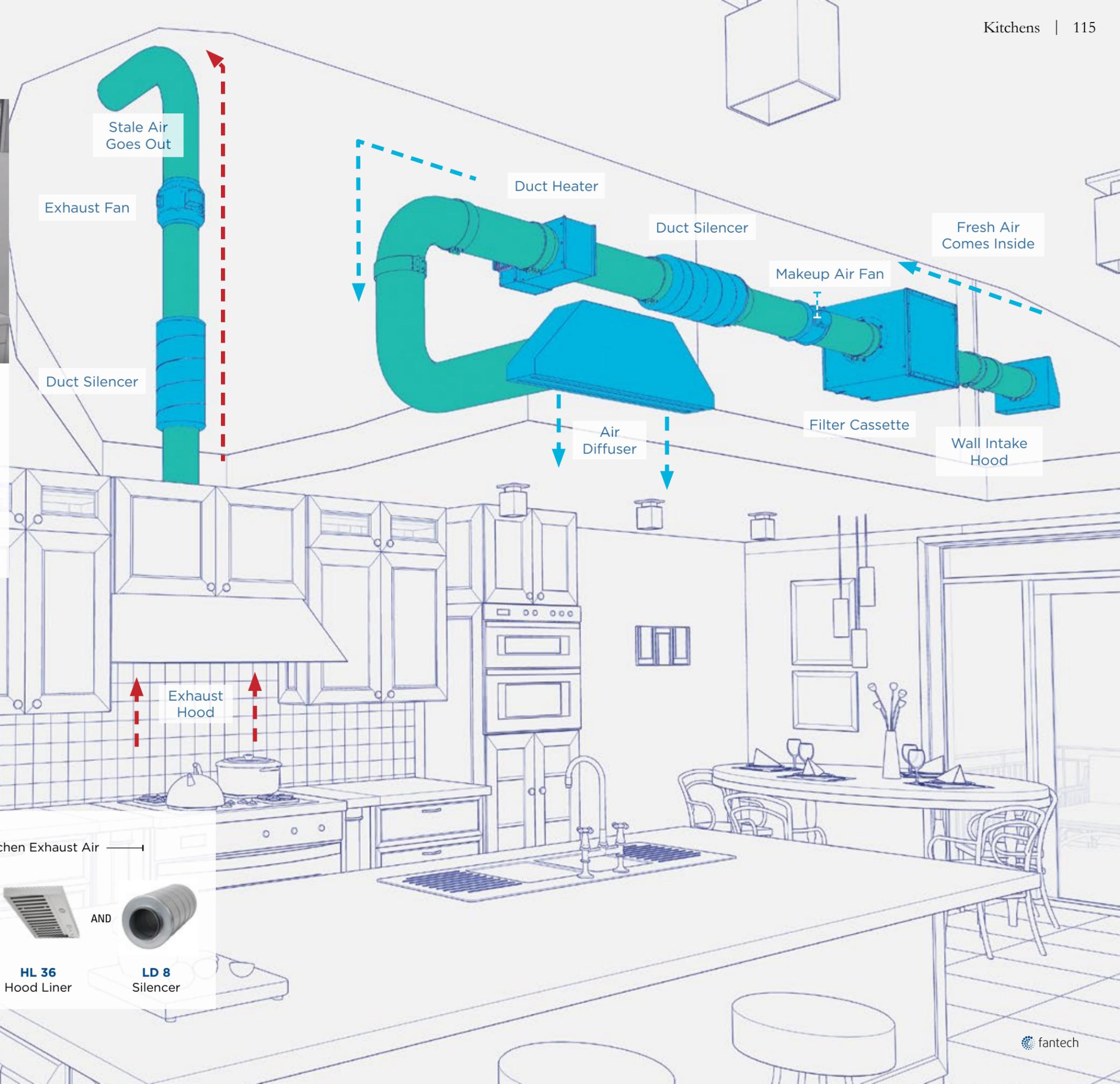
Buy This Package

Kitchen Supply Air

Kitchen Exhaust Air

MUAS 750
Makeup Air System

AND

FKD 8XL EC
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.

RE 8XL
Roof Fan

Stale Air
Goes Out

LD 8
Duct Silencer
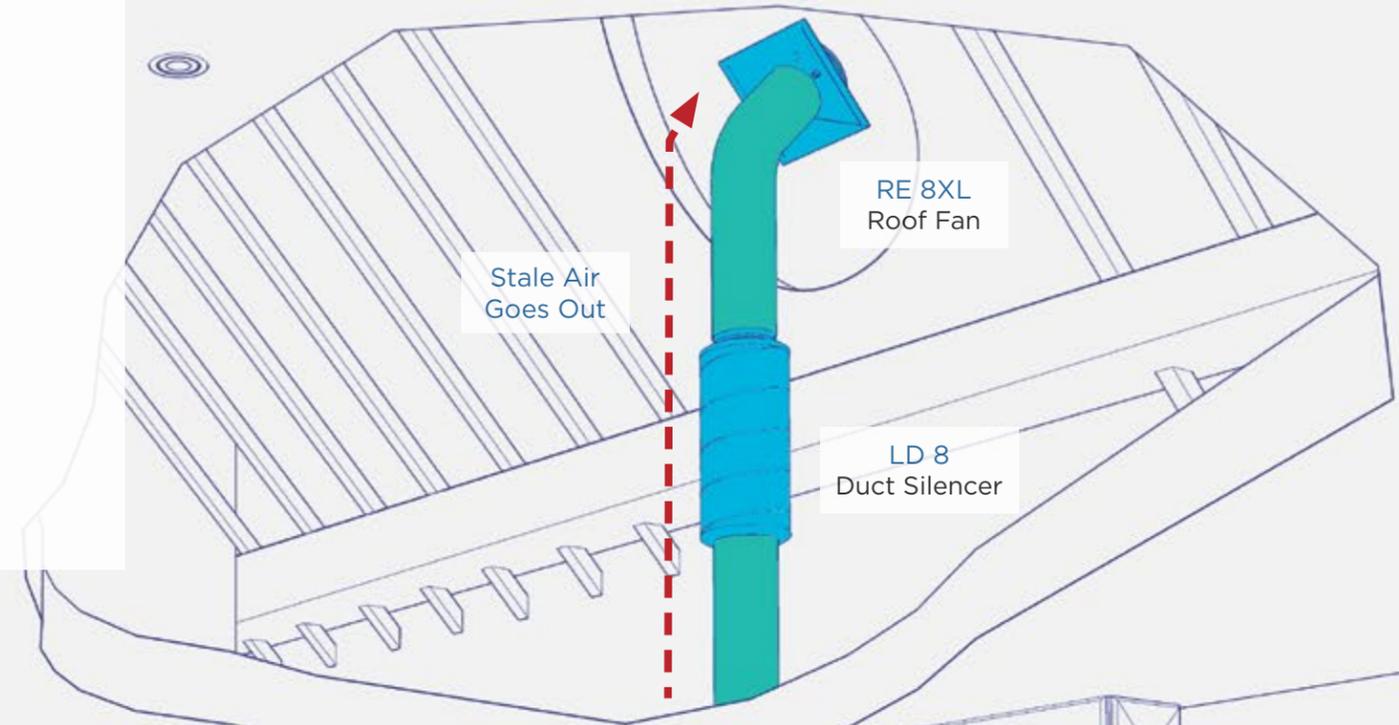
HL36
Hood Liner

Buy This Package

RE 8XL
Roof Fan

AND

RSK 8
Backdraft Damper

AND

HL 36
Hood Liner

AND

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.

Bathroom Ventilation
Ceiling Grilles and Bulbs for Premium Bath Fans

PBV
Ceiling Grille and Housing

Includes damper and four hange bars. Fits between 2x6 (PBV 4) or 2x8 (PBV 6) construction. Available in 4 and 6 inch duct sizes

PBV4
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.

PBL104
4 lbs

PBB
Replacement Bulbs for PBL and PBH grilles

PBB L10-ES are dimmable LED bulbs, 3000K, E26 base, wet location, ENERGY STAR®. Use with PB(W)xxx L10 bathroom fans and PBL10 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 Halogen
50 pack
(Replacement Only)

PBB L10
10 pack

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	**RPE 15**	**RPE 210**
120V, 10A max	120V, 15A max	230V / 1 phase, 10A max
1 lbs	1 lbs	1 lbs

Switches and Controls for Ventilation
Controls for EC-motor Fans

MTP 10
Potentiometer for Manual Speed Control

May be surface mounted for manual speed control of all EC-motor fan models. Input is 10Vdc / Output is 0-10Vdc.

MTP 10
0-10 V
.5 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.

Sensing Switches and Condition Control

NEW

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

FD60EM
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
115 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
115 V
1 lbs

FTD7
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
Controls for Heat and Energy Recovery Ventilators

EDF7
Electronic Multifunction Dehumidistat
An electronic multifunction dehumidistat that is compatible with all Fantech's HRV/ERV (except SH/VH 704). This control has 3 possible modes of operations: Ventilation mode, Recirculation mode and Standby.
Dimensions $3 \frac{5}{8}$" (w) x $4 \frac{7}{8}$" (h) x $\frac{7}{8}$" (d). In AUTO Mode, the EDF7 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

EDF7
1 lbs

EDF
Triple Function Wall Control Timer
An electronic wall control timer is compatible with all Fantech HRV/ERV models (except SH/VH 704). This control activates the system on 3 possible modes of operation: continuous low speed operation (Green), Intermittent 20 minutes on, 40 minutes off (Yellow) and continuous high speed or boost (Red).

EDF1
.5 lbs

EDF1R
.5 lbs

ECO-Touch®
Programmable Wall Control
Technologically advanced and feature-rich; the ECO-Touch® provides contractors and homeowners with a higher level of control over indoor air quality. The MAX mode gives you the extra ventilating power you need to quickly clear the air by taking advantage of the system's powerful fans.

- Preferences for desired indoor relative humidity
- Ventilation movement is displayed on LCD backlit touch screen
- 20 minute ventilation / 40 minute recirculation mode

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
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
.5 lbs

RTS5
20/40/60 min
.5 lbs

ECO-Touch®
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
2.25 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	36 lbs	27 lbs	36 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	Yes	Yes	No	No
Rn2	Yes	Yes	No	No
Rn3	No	No	Yes	Yes

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.

DGD4	**DGD6**
1 lbs	1.3 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.

DG4	**DG6**
1 lbs	1.25 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	2 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 200/200R
1.5 lbs	1.5 lbs	1.5 lbs

426466
VER 200 / SER 150 / SHR 150-200
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	8 lbs	10 lbs	13 lbs

FEL 4
4" Elbow

Heavy-duty plastic 90° 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 $\frac{1}{3}$" 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 12	FC 14
1 lbs	1 lbs	2 lbs	2 lbs	3 lbs	4 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 6	FY 644
1 lbs	1 lbs	1 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
1.25 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
IG 8	IG 10	IG 12

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	COM6P
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	3 lbs	3 lbs	4 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
2 lbs	4 lbs	5 lbs	6 lbs	7 lbs	12lbs

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	18 lbs	32 lbs

LD 12	**LD 14**	**LD 16**
44 lbs	44 lbs	125 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**
.5 lbs	1 lbs	1 lbs	1 bs	1.5 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	8.5 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**
MERV6	MERV6	MERV10
6-pack, 2lbs	6-pack, 2lbs	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   D=damper diameter

- 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

IR 4	**IR 5**	**IR 6**	**IR 8**
2 lbs	3 lbs	4 lbs	5 lbs

IR 10	**IR 12**	**IR 16**
7 lbs	9 lbs	20 lbs

Replacement Filters

RPFH 1315	**RHF 16**
1 piece	HEPA
1.54 lbs	1 piece
	1.54 lbs

RPFH 1315B	**RHF 16B**
48 pieces	HEPA
20.1 lbs	12 pieces
	18.1 lbs
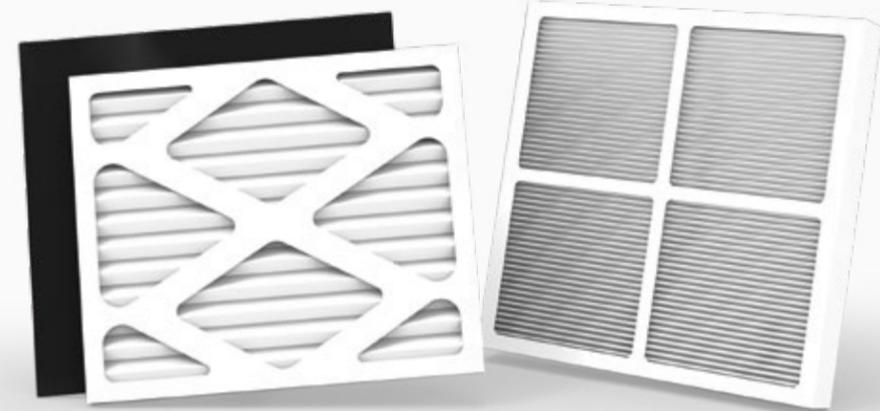
Compatible with FB 6
Filter Box

FBRF6
1 piece
.5 lbs

Compatible with CM/DM 3000
Filter Boxes

Technical Specifications

10

Time to crunch the numbers and select the perfect product for your project. If you have further questions about a product specifications vist fantech.net or call your local Fantech rep.
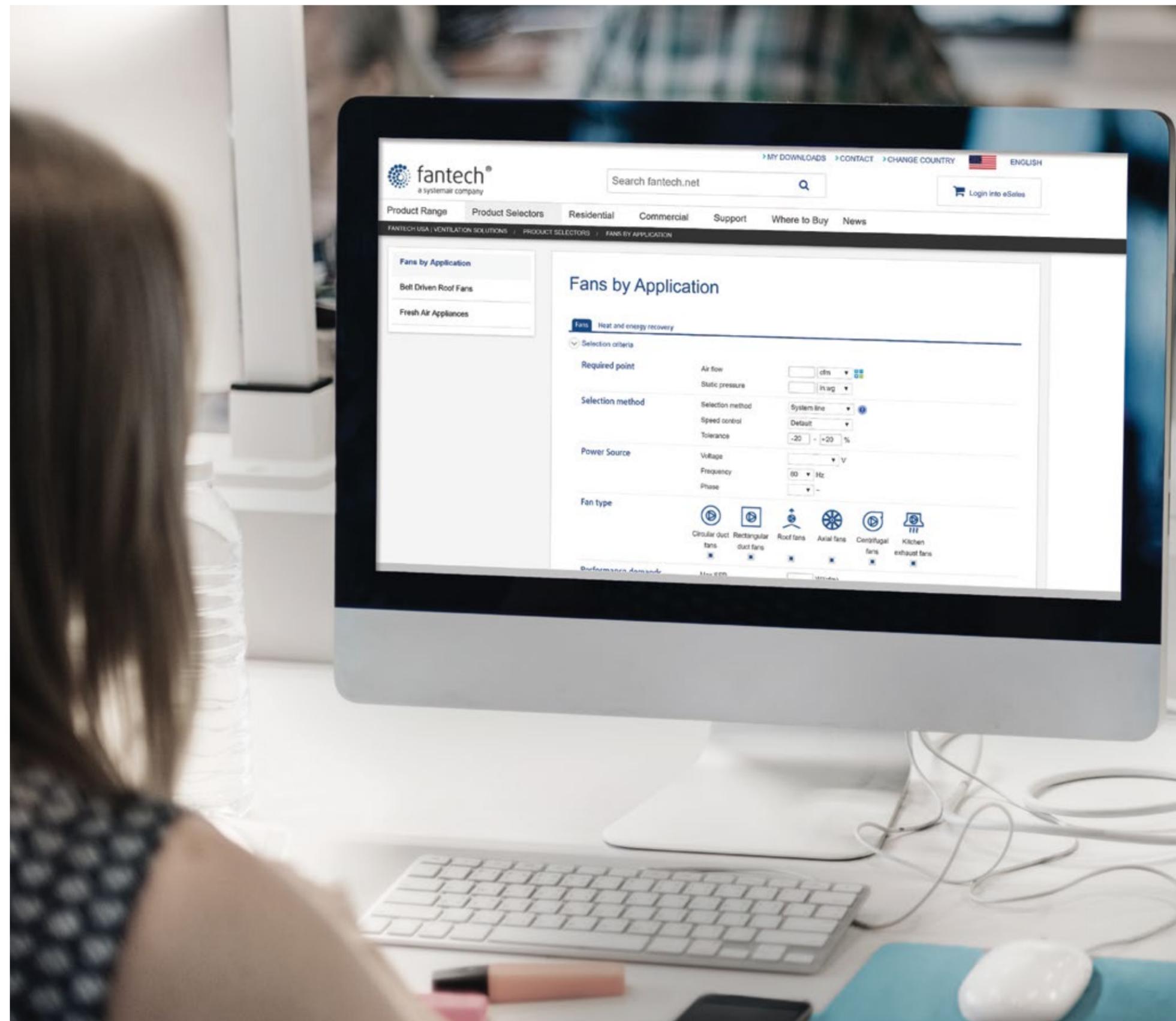
HERO
HERO SERIES
Fresh Air Appliance

Model	HERO 120H	HERO 150H	HERO 200H	HERO 150H-EC	HERO 250H-EC
Number of bedrooms	1-5	2-5	3-7	2-5	3-7
Average airflow CFM @ 0.4" Ps	119	161	218	176	263
Duct Connection Size	5"	6"	6"	6"	6"
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Rated power	165W	180W	210W	110W	230W
Max Sensible Recovery Efficiency	80%	80%	80%	82	82%
Max current	1.2A	1.4A	2.0A	3.0A	6.4A
Defrost cycle	Recirculation	Recirculation	Recirculation	Recirculation	Recirculation
Height	24.25"	24.875"	24.875"	24.875"	24.875"
Depth	11.5"	13.375"	15.375"	13.375"	15.375"
Width	23.25"	27.875"	27.875"	27.875"	27.875"
Shipping weight	21.3 lbs	26.6 lbs	28.8 lbs	26.5 lbs	28.2 lbs
Shipping class	1	1	1	1	1

HERO 120H

Project Series
Fresh Air Appliances
Energy & Heat Recovery

Model	Fit 120E	VHR 70	VHR 70R ES	FLEX 100H ES
Number of bedrooms*	1-3	1-3	1-3	3-5
Average airflow @ 0.4" Ps	106 cfm	57 cfm	70 cfm	104 cfm
Duct connection Size	5" Oval	4"	5" Oval	5"
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1
Max Sensible Recovery Efficiency	65%	61%	65%	65%
Rated power	170W	48W	60W	168W
Max current	1.4A	0.4A	1.1A	1.4A
Defrost cycle	Shut Down	Shut Down	Recirculation	Recirculation
Height	8.75"	15.66"	16"	15.625"
Width	30.5"	21.5"	22.5"	21.5"
Depth	19"	10.1875"	10.2"	14.5"
Shipping weight	42 lbs	31 lbs	32 lbs	39.2 lbs
Shipping class	1	1	1	1

VHR 70R ES   VHR 70

FLEX 100H® ES

Legacy Series
Fresh Air Appliances

Energy Recovery

Model	SER 150	SER 200	SER 260 D	VER 100	VER 150	VER 200*
Number of bedrooms*	2-5	2-5	5+	1-2	2-3	3-5
Average airflow @ 0.4" Ps	145 cfm	187 cfm	239 cfm	124 cfm	148 cfm	170 cfm
Duct connection Size	6"	6"	8"	5" Oval	6"	6"
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Max Sensible Recovery Efficiency	62%	74%	73%	63%	62%	75%
Rated power	171W	240W	300W	168W	156W	187W
Max current	1.4A	2.3A	2.5A	1.4A	1.2A	1.24A
Defrost cycle	Shut Down	Shut Down	Shut Down	Shut Down	Shut Down	Shut Down
Height	16.25"	20.5"	20.5"	15.625"	16.25"	20.5"
Width	23.75"	28"	27.875"	21.5"	23.75"	28"
Depth	17.25"	17.25"	25.25"	14.5"	17.1875"	17"
Shipping weight	48.5 lbs	50.7 lbs	79.6 lbs	32 lbs	41.9 lbs	52.9 lbs
Shipping class	1	1	1	1	1	1

*VER 200 not SA certified

Heat Recovery

Model	SHR 150	SHR 150R	SHR 200	SHR 260 RD	VHR 150
Number of bedrooms*	2-5	2-5	2-5	7	2-5
Average airflow @ 0.4" Ps	159 cfm	159 cfm	195 cfm	267 cfm	159 cfm
Duct connection Size	6"	6"	6"	8"	6"
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Max Sensible Recovery Efficiency	63%	66%	62%	66%	63%
Rated power	156W	156W	240W	300W	156W
Max current	1.4A	1.4A	2.3A	2.5A	1.2A
Defrost cycle	Shut Down	Recirculation	Shut Down	Recirculation	Shut Down
Height	16.25"	16.25"	20.5"	20.5"	16.25"
Width	23.75"	23.75"	28"	27.875"	23.75"
Depth	17.25"	17.25"	20.5"	25.25"	17.375"
Shipping weight	48.5 lbs	48.5 lbs	59.5	79.4 lbs	48 lbs
Shipping class	1	1	1	1	1

Wall brackets are available for the following products: #428471 for VER100; #426466 for VER150/VHR150; #422998 for VER200.

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Light Commercial and Large Residential

Fresh Air Appliances

Heat Recovery

Model	SHR 450	SHR 700	SHR 800	SHR 1200	SHR 1400	ECHO H2800Xi
Number of bedrooms*	5+	5+	5+	5+	5+	**
Average airflow @ 0.4" Ps	468 cfm	717 cfm	794 cfm	1219 cfm	1428 cfm	2800 cfm
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	200-240V / 1
Max Sensible Recovery Efficiency	69%	61%	61%	61%	57%	70%
Rated power	500W	670W	636W	1340W	1272W	1300W
Max current	4.17A	5.58A	5.3A	11.2A	10.6A	12.2A
Defrost cycle	Shut Down*	Shut Down*	Shut Down*	Shut Down*	Shut Down*	Shut Down*
Height	22.6875"	22"	35"	22"	35"	50"
Width	29.5"	36.5"	36.5"	51.4"	51.4"	52"
Depth	35.9375"	36.25"	25.75"	36.25"	25.75"	70"
Shipping weight	132 lbs	215 lbs	198 lbs	252 lbs	236 lbs	850 lbs
Shipping class	3	3	3	3	3	3

Energy Recovery

Model	SER 450	SER 700	SER 1100	SER 1300	ECHO E2800Xi
Number of bedrooms*	5+	5+	5+	5+	**
Average airflow @ 0.4" Ps	468 cfm	707 cfm	1179 cfm	1300 cfm	2800 cfm
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	200-240V / 1
Max Sensible Recovery Efficiency	69%	60%	60%	60%	70%
Rated power	500W	670W	1340W	1300W	1300W
Max current	4.17A	5.58A	11.2A	10.8A	12.2A
Defrost cycle	Shut Down	Shut Down	Shut Down	Shut Down	Shut Down
Height	22.6875"	22"	22"	35"	50"
Width	29.5"	36.5"	51.4"	51.4"	52"
Depth	35.9375"	36.25"	36.25"	25.75"	70"
Shipping weight	132 lbs	169 lbs	210 lbs	201 lbs	750 lbs
Shipping class	3	3	3	3	3

*Recirculation mode available by adding BPM units
**Product is suitable for commercial appliactions

Yes, the big boys need an ECO-Touch® too.*

The Eco-Touch® isn't limited to residential applications. It's a great solution for calibrating Fresh Air Appliances of all shapes and sizes.

*ECHO™ Class units come with their own controller

SHR 700
SHR 800
SHR 450
SHR 1200
SHR 1400

Featured Large Residential Fresh Air Appliances

Fresh Air Appliance Controllers

for all shapes and sizes.

Model	EDF7	MDEH1	EDF1	EDF1R	RTS2	RTS5	ECO-Touch®
Supply Voltage	12Vdc	12Vdc	-	-	-	-	12Vdc
Recirculation Cycle	Yes	No	No	Yes	Yes	Yes	Yes
Boost Time (min)	-	-	low, high, 20/40	low, high, 20/40	20	20/40/60	20/40/60
Shipping weight (lbs)	1	1	1	1	.5	.5	1
Shipping class	1	1	1	1	1	1	1

Large or small, your Fresh Air Appliance needs a controller. We recomend our ECO-Touch® because of its versatility accross all our product families.

fantech

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"
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Rated power	20W	71W	73W	73W	72W	120W	153W
Max amps	0.19A	0.66A	0.19A	0.68A	0.68A	1.02A	1.48A
Shipping weight	7 lbs	8 lbs	7 lbs	8 lbs	10 lbs	12 lbs	12 lbs
Shipping class	1	1	1	1	1	1	1

Model	FG 8	FG 8XL	FG 10	FG 10XL	FG 12	FG 12XL
Duct connection	8"	8"	10"	10"	12"	12"
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Rated power	119W	142W	138W	196W	181W	301W
Max amps	1.14A	1.45A	1.43A	1.96A	1.87A	3.01A
Shipping weight	12 lbs	13 lbs	12 lbs	14 lbs	18 lbs	21 lbs
Shipping class	1	1	1	1	1	1

CFM

Model	0" P_s	.2" P_s	.4" P_s	.6" P_s	.8" P_s	1.0" P_s	1.5" P_s
FG 4	135	110	83	55	25	-	-
FG 4XL	170	150	134	119	103	86	40
FG 5XL	220	190	160	135	112	91	41
FG 6	303	270	232	196	164	134	58
FG 6M	418	370	317	268	224	186	101
FG 6XL	483	450	409	369	329	289	201
FG 8	461	410	351	295	243	191	97
FG 8XL	502	470	428	388	351	313	218
FG 10	513	480	444	407	366	324	216
FG 10XL	589	560	531	503	472	441	355
FG 12	741	680	601	515	434	363	236
FG 12XL	940	880	819	746	670	596	425

Size (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 12	12	16	6 11/16	1 1/4	1
FG 12XL	12	16	6 11/16	1 1/2	1

FG Series
EC Fans

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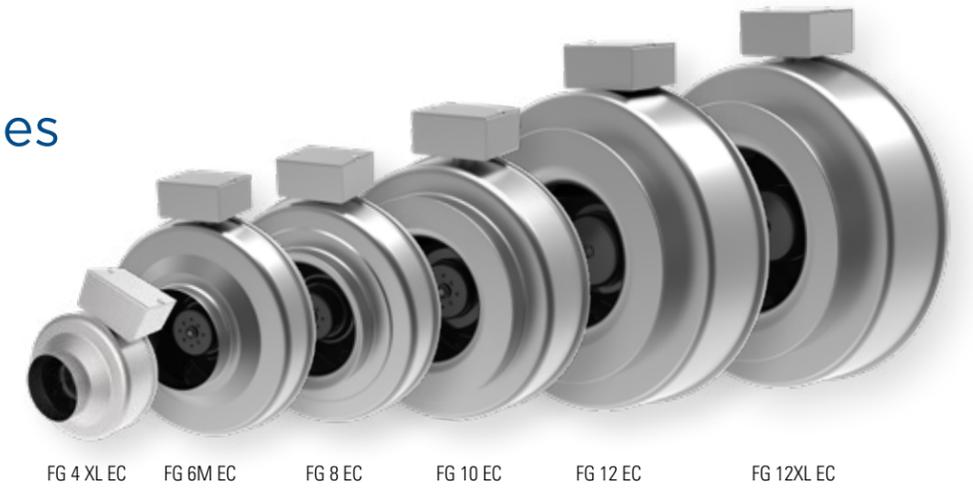
EC Fans

Model	FG 4XL EC	FG 6M EC	FG 8 EC	FG 10 EC	FG 12 EC	FG 12XL EC
Duct connection	4"	6"	8"	10"	12"	12"
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Rated power	119W	142W	138W	196W	181W	301W
Max amps	1.14A	1.45A	1.43A	1.96A	1.87A	3.01A
Shipping weight	12 lbs	13 lbs	12 lbs	14 lbs	18 lbs	21 lbs
Shipping class	1	1	1	1	1	1

CFM

Model	.0" P_s	.2" P_s	.4" P_s	.6" P_s	.8" P_s	1.0" P_s	1.5" P_s
FG 4XL EC	180	166	152	135	117	97	459
FG 6M EC	363	330	302	271	239	206	113
FG 8 EC	428	390	353	314	275	239	121
FG 10 EC	513	460	413	363	325	283	160
FG 12 EC	633	600	577	542	506	467	379
FG 12XL EC	805	750	686	615	537	474	315

Size (inches)

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

3 3/4"   2"   E   A   D   C   B
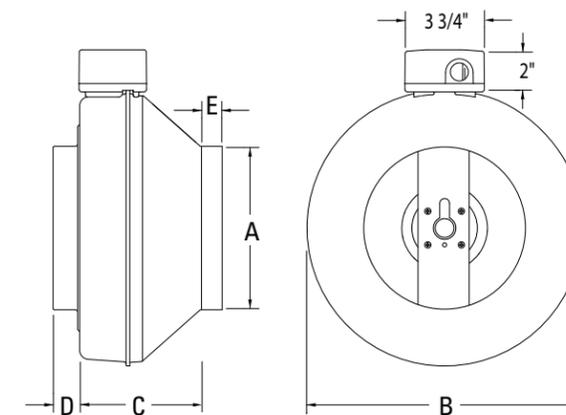
FKD Series
AC Fans

FKD 8 FKD 12XL FKD 16

Model	FKD 8XL	FKD 10	FKD 10XL	FKD 12	FKD 12XL	FKD 14	FKD 14XL
Duct connection	8"	10"	10"	12"	12"	14"	14"
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Rated power	327W	239W	529W	531W	500W	495W	738W
Max amps	0.19A	0.66A	0.19A	0.68A	0.68A	1.02A	1.48A
Shipping weight	7 lbs	8 lbs	7 lbs	8 lbs	10 lbs	12 lbs	12 lbs
Shipping class	1	1	1	1	1	1	1

Model	FKD 16	FKD 16XL	FKD 18	FKD 18XL	FKD 20
Duct connection	16"	16"	18"	18"	20"
Voltage / Phase	120V / 1	120V / 1	120V / 1	230V / 3	230V / 3
Rated power	742W	1421W	1411W	2330W	2443W
Max amps	6.39A	12.40A	12.04A	4A	1.36A
Shipping weight	54 lbs	84 lbs	85 lbs	149 lbs	153 lbs
Shipping class	1	1	1	1	1

CFM

Model	.0" P_s	.5" P_s	.75" P_s	1.0" P_s	1.5" P_s	2.0" P_s
FKD 8XL	836	680	595	499	286	-
FKD 10	910	752	653	547	342	-
FKD 10XL	1266	1100	1006	911	696	460
FKD 12	1305	1145	1054	948	712	479
FKD 12XL	2016	1649	1423	1066	-	-
FKD 14	2156	1764	1520	1193	-	-
FKD 14XL	2619	2180	1936	1662	843	0
FKD 16	2952	2445	2144	1804	774	-
FKD 16XL	4274	3743	3452	3137	2379	1242
FKD 18	4448	3871	3583	3239	2380	1231
FKD 18XL	6212	5620	5425	5163	4608	3704
FKD 20	6271	5863	5658	5396	4813	3792

Size (inches)

Model	A	A1	A2	B	C	D	E	F	G	H
FKD 8XL	8	-	-	14	12 1/2	15 1/2	3/4	2 3/8	6 1/8	3/8
FKD 10	10	-	-	14	12 1/2	15 1/2	3/4	2 3/8	5	3/8
FKD 10XL	10	-	-	15 5/8	14	15	3/4	2 3/8	6 3/8	3/8
FKD 12	12	-	-	15 5/8	14	12 1/2	3/4	2 3/8	5 1/8	3/8
FKD 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

FKD Series
EC Fans

FKD 12XL EC FKD 16 EC

Model	FKD 12XL EC	FKD 14XL EC	FKD 16 EC	FKD 16XL EC	FKD 18 EC	FKD 20 EC
Duct connection	12"	14"	16"	16"	18"	20"
Voltage / Phase	120V / 1	120V / 1	230V / 1	460V / 3	460V / 3	460V / 3
Rated power	395W	450W	1082W	1965W	1979W	2002W
Max amps	3.04A	3.38A	5..2A	4.3A	3.2A	3.2A
Shipping weight	46 lbs	56 lbs	75 lbs	75 lbs	98 lbs	99 lbs
Shipping class	1	1	2	2	2	2

CFM

Model	.0" P_s	.5" P_s	.75" P_s	1.0" P_s	1.5" P_s	2.0" P_s
FKD 12XL	1936	1777	1601	1380	971	532
FKD 14XL	2430	2223	1988	1681	1141	575
FKD 16	4250	4000	3667	3271	2688	1875
FKD 16XL	5150	4955	4744	4500	4243	3897
FKD 18	5921	5729	5460	5185	4869	4564
FKD 20	5967	5700	5467	5267	4967	4633

Size (inches)

Model	A	A1	A2	B	C	D	E	F	G	H
FKD 12XL	12	12	14	20 1/4	17 7/8	18 7/8	7/8	4	8 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 20	20	18	20	30 3/8	28 1/8	27 3/4	2	7 7/8	12 1/2	1/2

FKD 8XL - 12 FKD 12XL - 20 FKD 12XL EC - 18 EC
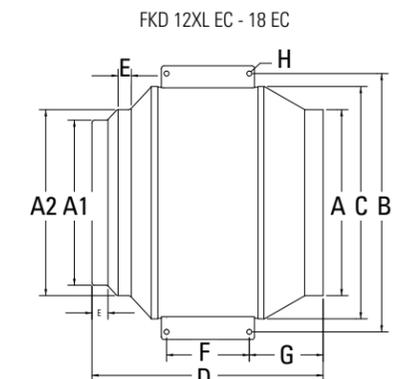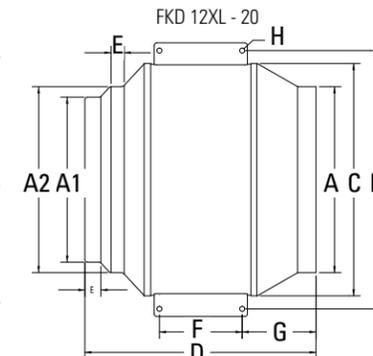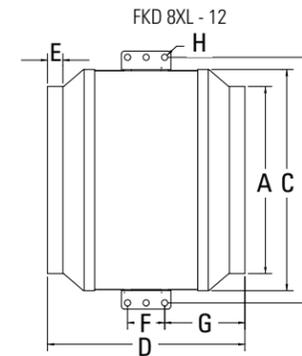
RVF Series

Exterior Mount Fans

Model	RVF 4	RVF 4XL	RVF 6	RVF 6XL	RVF 8XL	RVF 10	RVF 10L	RVF 10XL
Duct Size	4"	4"	6"	6"	8"	10"	10"	10"
Rated Power	19W	92W	92W	149W	151W	112W	211W	312W
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Max Amps	0.17A	0.84A	0.84A	1.46A	1.42A	0.94A	2.10A	2.61A
Shipping Weight	8 lbs	10 lbs	10 lbs	14 lbs	14 lbs	31 lbs	36 lbs	33 lbs
Shipping Class	1	1	1	1	1	1	1	1

Model	RVF 4XL EC	RVF 6XL EC	RVF 8XL EC	RVF 10 EC
Duct Size	4"	6"	8"	10"
Rated Power	80W	61W	85W	130W
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1
Max Amps	1.51A	1.21A	1.56A	2.22A
Shipping Weight	8 lbs	20 lbs	20 lbs	31 lbs
Shipping Class	1	1	1	1

RVF 10

Size (inches)

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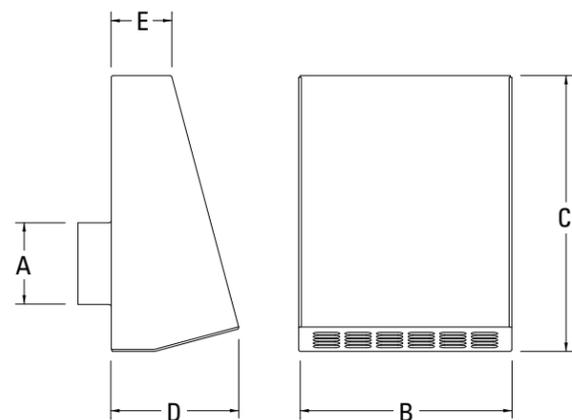
CFM

Model	0.1" P$_s$	0.2" P$_s$	0.4" P$_s$	0.6" P$_s$	0.8" P$_s$	1.0" P$_s$	1.5" P$_s$
RVF 4	120	112	83	37	-	-	-
RVF 4XL	180	172	154	136	118	91	-
RVF 6	220	204	177	150	123	68	-
RVF 6XL	360	346	315	285	258	213	64
RVF 8XL	410	392	348	312	282	235	102
RVF 10	760	720	630	520	400	270	-
RVF 10L	1020	985	920	850	770	670	269
RVF 10XL	1222	1180	1095	996	900	800	485
RVF 4XL EC	225	220	209	190	170	155	108
RVF 6XL EC	380	362	328	284	244	208	95
RVF 8XL EC	492	470	433	392	348	290	160
RVF 10 EC	862	830	766	698	611	505	100

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		6"	8"	10"	10"
Rated Power	19W	87W	153W	394W	531W
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	14 lbs	19 lbs	31 lbs	33 lbs
Shipping class	1	1	1	1	1

Size (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

RE Series

REC Series
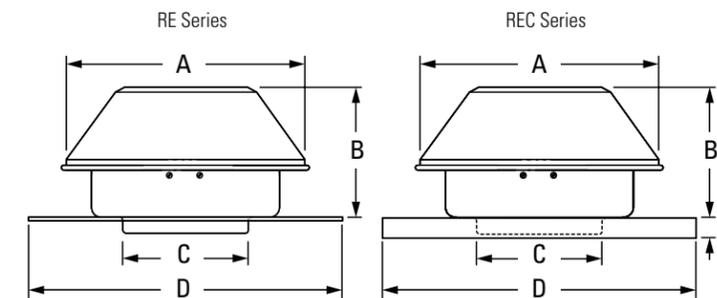
CFM

RPM	.0" P$_s$	.50" P$_s$	.75" P$_s$	1.0" P$_s$	1.5" P$_s$
RE 54 / REC 54	116	65	36	-	-
RE 6 / REC 6	227	169	134	106	52
RE 8XL / REC 8XL	409	307	259	212	130
RE 10XL / REC 10XL	753	690	656	622	548
RE 10XLT / REC 10XLT	1008	890	831	766	609

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CVS Series

Multiport Fans

Model	CVS 275A	CVS 300A	CVS 400A
Duct Size	5" / 6"	4" / 6"	4" / 6"
Rated Power	92W	123W	156W
Voltage / Phase	120V / 1	120V / 1	120V / 1
Max Amps	0.79A	1.07A	1.41A
Shipping weight	15 lbs	22 lbs	23 lbs
Shipping class	1	1	1

CVS 400A

Size (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

CFM
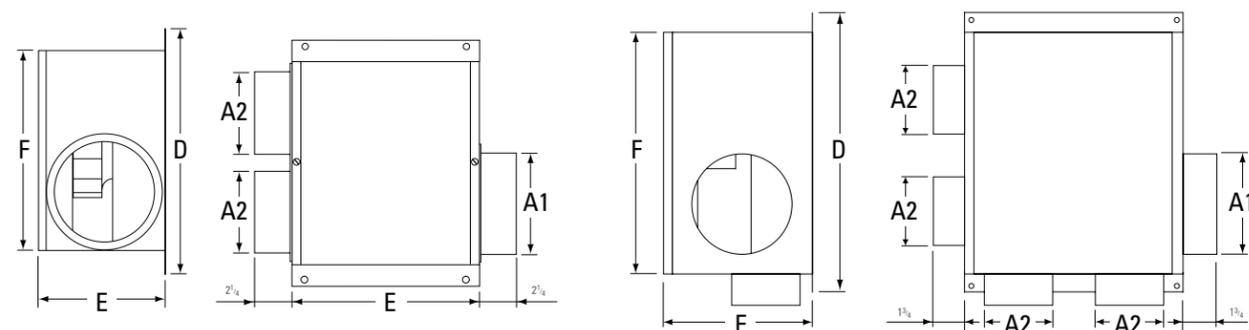
Model	0.0" P_s	0.2" P_s	0.4" P_s	0.6" P_s	0.8" P_s	1.0" P_s
CVS 275A	245	220	192	171	147	126
CVS 300A	355	320	283	249	215	180
CVS 400A	404	380	352	324	299	274

Grilles! Grilles! Grilles!

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

prioAIR®

Inline Fans

Model	prioAir® 6	prioAir® 8	prioAir® 10	prioAir® 6EC	prioAir® 8EC	prioAir® 10EC
Voltage / Phase	120V/1	120V/1	120V/1	120V/1	120V/1	120V/1
Rated Power	37W	93W	304W	66W	128W	164W
Max Amps	0.29A	0.81A	2.63A	1.05A	1.80A	2.4A
RPM min^{-1}	2754	4041	2899	3619	2920	2650
Duct connection	6"	8"	10"	6"	8"	10"
Shipping weight	7	8	14	7	8	10
Shipping class	1	1	1	1	1	1

Size (inches)

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

prioAir® 8

prioAir® 6 / 6EC

prioAir® 8 / 8EC / 10 / 10EC

CFM
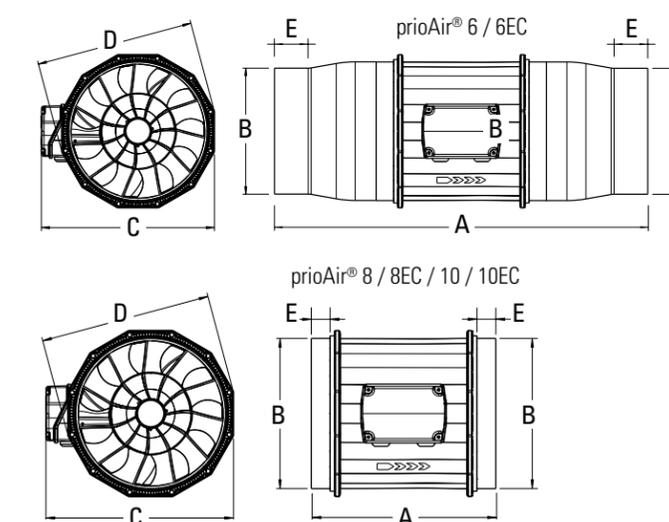
Model	0.0" P_s	0.2" P_s	0.4" P_s	0.6" P_s	0.8" P_s	1.0" P_s
prioAir® 6	295	252	195	38	-	-
prioAir® 6EC	443	418	387	352	313	261
prioAir® 8	646	602	553	487	351	181
prioAir® 8EC	791	745	702	656	604	534
prioAir® 10	1380	1324	1264	1200	1127	1043
prioAir® 10EC	1237	1156	1079	997	900	769

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FR Series
Vibration Welded
AC Fans

FR 140

FR 100

Filters
Whole Home
Filtration Solutions

FB 6

CM/DM 3000

Model	FR 100	FR 110	FR 125	FR 140	FR 150	FR 160
Duct Size	4"	4"	5"	6"	6"	6"
Rated Power	19W	80W	20W	62W	69W	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	6 lbs	7 lbs	6 lbs	8 lbs	8 lbs	8 lbs
Shipping Class	1	1	1	1	1	1

Model	CM 3000	CM 3000 I	DM 3000 P	FB6
Average airflow	240 @ 0.4" Ps	240 @ 0.4" Ps	240 @ 0.4" Ps	176 @ 0.2" Ps
Duct connection	(2) 5"x10"	8"	8"	6"
Voltage / Phase	120V/1	120V/1	120V/1	-
Insulation	-	Yes	-	-
Rated power	150W	150W	150W	-
Max amps	1.0A	1.0A	1.0A	-
Dimmensions	20"x16"x10.5"	20"x16"x10.5"	20.6"x16"x11.2"	20.5"x8"x10"
Shipping weight	28 lbs	28 lbs	28 lbs	10 lbs
Shipping class	1	1	1	1

Sizing (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	-

CFM

Model	0.0" Ps	0.4" Ps	0.6" Ps	0.8" Ps	1.0" Ps	1.5" Ps
FR 100	151	94	63	20	-	-
FR 110	187	150	128	112	95	50
FR 125	172	98	63	15	-	-
FR 140	226	174	138	104	55	-
FR 150	327	247	200	163	118	37
FR 160	345	252	197	157	135	110

Model	A	B	C
DM 3000	16"	20"	10 1/2"
CM 3000	16"	20"	10 1/2"
CM 3000I	16"	20 5/8"	11 3/16"

FR 100/110/125

FR 140/150/160

A

B

C

Model	A	B	C	D
FB 6	20.5"	19.5"	8"	10"
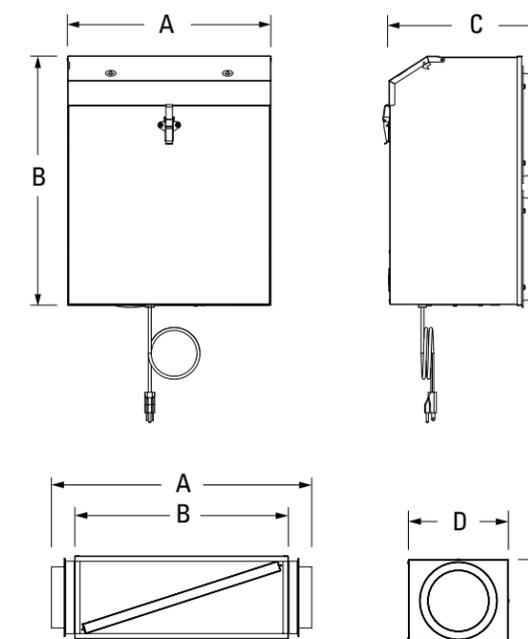
Makeup Air Systems

MUAS 1200

Model	MUAS 750	MUAS 1200	MUAS 1600	MUAS 2000
Maximum Airflow Rate	750 cfm	1200 cfm	1600 cfm	2000 cfm
Included FMAC Control	Yes	Yes	Yes	Yes
Shipping weight	121 lbs	132 lbs	179 lbs	202 lbs

Size (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	-
MUAS 1200	10	10	30 1/2	9 13/16	38 1/2	98 13/16	14	112 13/16	10	-
MUAS 1600	10 1/2	11 7/8	30 1/2	18 7/8	38 1/2	110 1/5	21	131 1/5	12	12
MUAS 2000	10 3/4	13 7/8	30 1/2	20 3/8	38 1/2	114	21	135	14	12

MUAS 750/1200
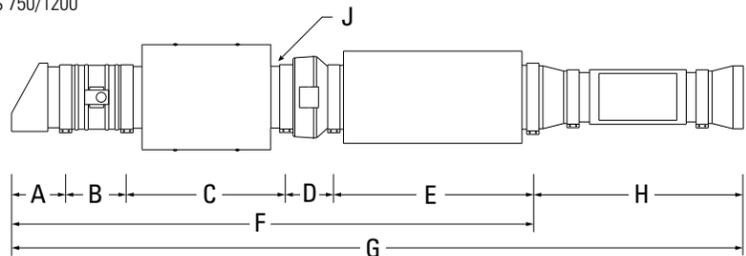
MUAS 1600/2000
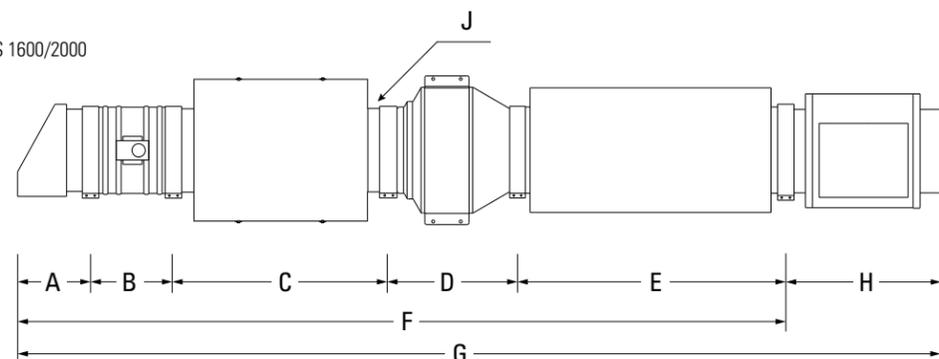
Hoodliners
For Kitchen Exhaust Systems

Model	HL 30	HL 36	HL 42	HL 48
Outlet Duct Size	8"	8"	10"	10"
Light Wattage	50W	50W	50W	50W
Bulb Type	MR16 Halogen, GU10 Base (2 pcs)	MR16 Halogen, GU10 Base (2 pcs)	MR16 Halogen, GU10 Base (2 pcs)	MR16 Halogen, GU10 Base (3 pcs)
Speed Control	Infinite	Infinite	Infinite	Infinite
Shipping Weight	20 lbs	92 lbs	121 lbs	146 lbs
Shipping class	1	1	1	1

HL 42

Size (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

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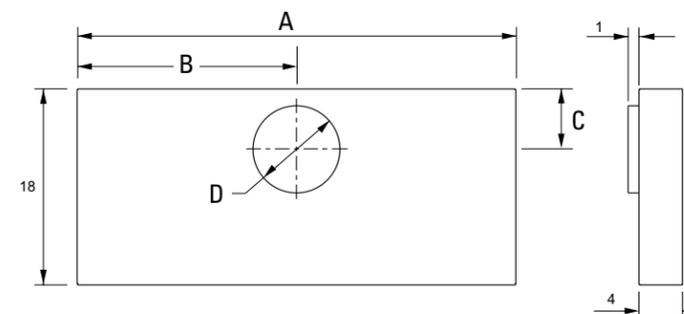
DEDPV-705 & DBF Series

Dryer Solutions

Model	DEDPV-705	DBF 4XLT	DBF 4XL	DBF 110	RVF 4XL
Duct Size	4"	4"	4"	4"	4"
Max Linear Duct Length	130'	130'	130'	108'	130'
Rated Power	72W	72W	65W	65W	92W
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
Max Amps	0.75A	0.73A	0.54A	0.54A	0.84A
Max Temp	167°F	167°F	167°F	167°F	167°F
Shipping weight	10bs	10 lbs	10 lbs	9 lbs	10 lbs
Shipping class	1	1	1	1	1

CFM

Model	0.0" P_s	0.2" P_s	0.4" P_s	0.6" P_s	0.8" P_s	1.0" P_s
DEDPV-705	170	150	134	119	103	86
DBF 110	188	150	133	113	88	63
DBF 4XL	170	150	134	119	103	86
DBF 4XLT	173	150	134	119	103	86
RVF 4XL	-	180	172	136	118	91

DEDPV-705

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

DBF 4XLT

DBF 4XL

DBF 110

RVF 4XL

Size (inches)

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

DEDPV-705
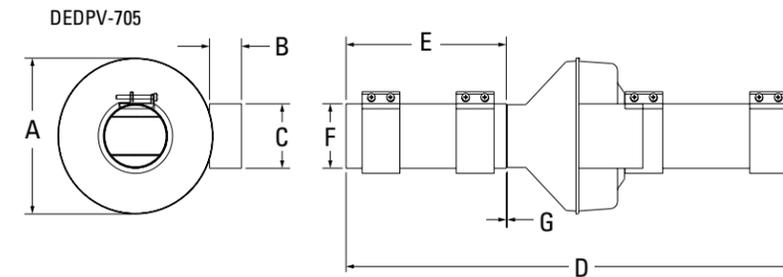
Size (inches)

DBF 4XLT Sizing
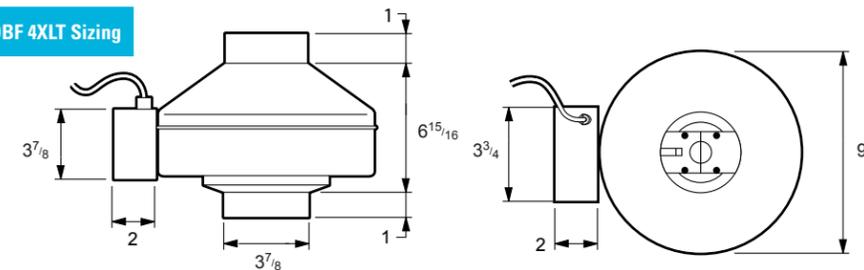
Size (inches)

DBF 4XL Sizing
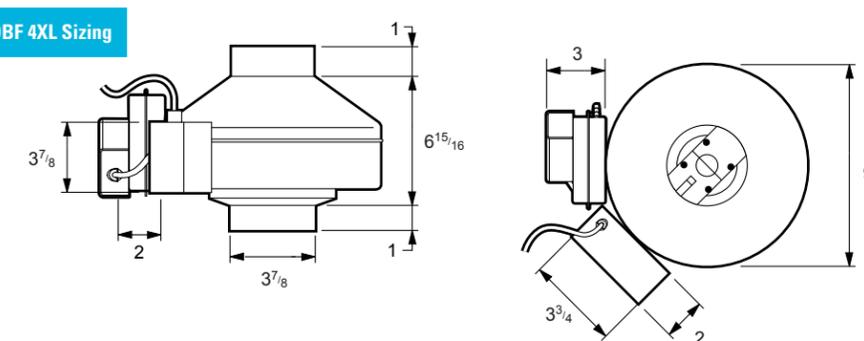
Size (inches)

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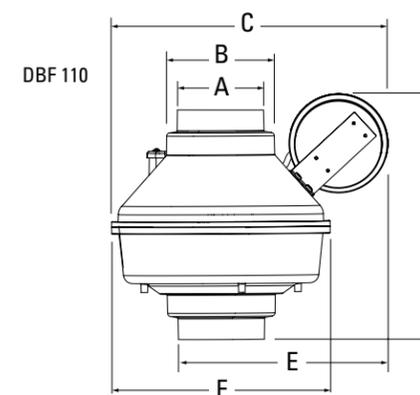
DBF 110

Size (inches)

RVF-4XL	A	B	C	D	E
	4	10 1/4	13	6	2 3/4
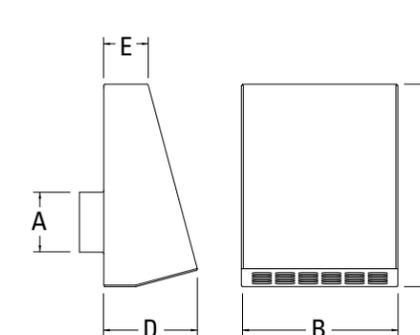
PB Series
Remote Mount Bath Fans

Model	PB 110	PB 110 L10	PB 270-2(370-2)	PB 270L10-2	PB 270L10V-2	PBW 110
Single or Double Vent Grille	Single	Single	Double	Double	Double	Single
Duct Size	4"	4"	4" / 6"	4" / 6"	4" / 6"	4"
Rated Power	21W	23W	67W	67W	67W	19W
Voltage / Phase	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1	120V / 1
ENERGY STAR® Qualified	Yes	Yes	Yes	Yes	Yes	-
Bulb	-	10W Dimm. LED	-	10W Dimm. LED	10W Dimm. LED	-
Shipping Weight	9 lbs	10 lbs	17 lbs	18 lbs	18 lbs	12 lbs
Shipping class	1	1	1	1	1	1

Outdoor Solutions
PBW 110 Exterior Mount Solution

PB 270L10-2
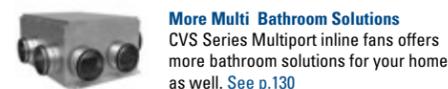
More Multi Bathroom Solutions
CVS Series Multiport inline fans offers more bathroom solutions for your home as well. See p.130

PRO™ Series
Direct Mount bath Fans

Model	PRO™ 80/100	PRO™ 150	PRO™ Plus	PRO™ Plus - L
Duct Size	4"	6"	6"	6"
CFM 0.1"P_s	80/100	150	93-102-127-156	93-102-127-156
Power @ 0.2" P_s	25W/30W	25W	25W	30W
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
Warranty	3 Years	3 Years	5 Years	5 Years
Height	3.75"	7.63"	7.63"	3.75"
Width	10.25"	10.5"	10.5"	10.5"
Shipping weight	9 lbs	8.38 lbs	12 lbs	9 lbs
Shipping class	1	1	1	1

PRO™ Series 80/100

PRO™ Series 150

PRO™ PLUS-L

Radon Mitigation
Mitigation and Testing Solutions
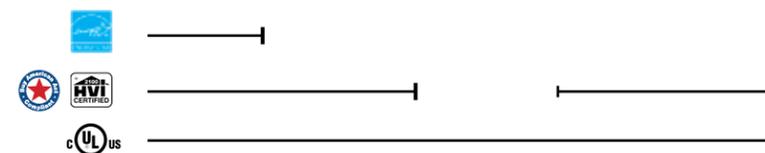
Rn 4EC

Model	Rn 1	Rn 2	Rn 2SL	Rn 3	Rn 4EC
Pipe Size	4"	4"	4"	6"	4"
Shipping weight	4 lbs	5 lbs	11 lbs	7 lbs	7 lbs
Shipping class	1	1	1	1	1

	CFM @ SP							Max Condition			
	0.50	0.75	1.00	1.75	2.50	4.00	4.25	SP	CFM @ Max SP	Watts	Amps	Voltage/Phase
Rn1	87	35	-	-	-	-	-	0.80	20	20	0.17	120V / 1
Rn2	123	102	82	20	-	-	-	1.75	20	58	0.48	120V / 1
Rn3	285	230	185	90	-	-	-	2.25	17	141	1.20	120V / 1
Rn4	-	-	407	325	237	70	33	4.25	33	172	2.10	120V / 1

Couplings

LDVI® 4x3

PFEDK	
Shipping Weight	33.7 lbs
Shipping Class	1

Model	LDVI® 4x3	LDVI® 6x4	LDVI® 4x4	LDVI® 6x3
# of Pieces	54	40	36	40
Shipping weight	40 lbs	36 lbs	27 lbs	36 lbs
Shipping class	1	1	1	1

Learn More
Scan Here

PFEDK

Learn how Fantech is helping mitigators look like pros on page 42

Bathroom Ventilation

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

According to the guidelines of HVI (Home Ventilating Institute) baths that are 100 sq.ft. or smaller require 1 cfm per square foot of bathroom or a minimum 50 cfm of fresh airflow. To find the square footage simply multiply the length of the bath by the width. Allow 50 cfm per standard tub, shower or toilet. Whirlpool, garden and jetted tubs are calculated at 100 cfm. Example: Bathroom 9' x 7' = 63 sq.ft. you require the PB110 or PBW110.

Example:

Bathroom 11' x 14' = 154 sq ft, 1 Toilet + 1 Shower + 1 Tub = 150 CFM you require the PB270L7-2. Note: HVI recommends that Steam Showers use a separate fan on a timer so that the fan may be shut off during shower use and then run afterwards to dry out the shower stall. For proper airflow in typical installations (when duct losses aren't calculated) use the 0.4" Pst rating point for the correct fan selection. Bathroom doors need to have at least ¾" clearance to the finished floor to allow for make up air.

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). The inner core of Flexible Insulated Ducting should be as tight and straight as possible and sealed 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 PB370-2: 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 and longer runs of smaller duct from the grille/light to the wye connector.

How many bathrooms can I vent with one fan?

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

What is Static Pressure?

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. to show the resistance is equal to raising a column of water 0.1" or one-tenth of an inch.

Can Fantech Premium Bath Fans with LED and Halogen grille/lights be installed over a tub or shower?

Both the LED and Halogen grille/lights are UL listed for wet locations. When installed over a tub or shower they must be connected to a GFCI (Ground Fault Circuit Interrupter) – protected branch circuit.

Can I turn on my light separate from my fan?

Yes, Fantech recommends that the light be on its own switch and the fan on a timer FD 60EM or a humidity sensor IPHS5.

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

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

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

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 complete line of programmable and manual controls, switches and timers for your convenience. The FD60EM. 10,20,30,60 minute timer or Ventech Programmable switches (VT20M/VT20A) are just two examples of optional controls you can use.

I am venting two bathrooms with one fan, how do I wire the timers?

Wiring the timers parallel as per the installation instructions will allow each timer to work independently.

Can the fan be mounted horizontally?

Yes, the orientation of the fan will not affect its operation. When running horizontal duct to the outside it is advisable to slightly slope the duct down to the outside vent (this allows condensation (if any) to naturally run out of the duct).

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

When used with the Fantech Ventech Fan Control, your PB fan will provide a cost effective way to comply with code requirements for controlled ventilation in residential applications.

Can Fantech plastic grilles be painted?

Yes, All Fantech plastic grilles can be painted. A paint that is suitable for plastic should be used. An example of such paint is "Krylon Fusion for Plastic". If a paint that is not suitable for plastic is to be used, a primer coat of paint that is suitable for plastic should be applied first. An example of such paint is "Rust-oleum Specialty Plastic Primer". Paints that are not suitable for plastic that are applied directly to a plastic grille are not likely to yield satisfactory results. As with all painting processes, surface preparation (proper cleaning) and following the directions of the paint manufacturer are critical to the quality of the painted grille. The grille needs to be removed from the installation for painting. This will prevent paint from being applied to the lamp socket contacts, damper flap, or labels.

What is the Warranty on Premium Bath Fans?

Fantech Premium Bath Fan Warranty is 7 years.

Can a motion sensor switch be added to a Fantech Bath Exhaust Fan?

Any motion sensor that has a 120V output will operate the Fantech fan.

How many auxiliary controls (VT20A) can be used with one Ventech 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 2 core insulated cable.

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. Kit includes inline fan, fittings and accessories. Your existing fan grille and housing stay in place. No drywall work needed. Easy to follow instructions will show you how.

I don't have room to install a remote inline fan in my application. Is there another fan I could use?

Fantech's PBW 110 comes with a ceiling grille and externally mounted fan. It's ideal for basement bathrooms, first floor powder rooms where the duct from the ceiling grille can be routed with the joist bay to an outside wall/fan.

NEW PRO™ Series Bath Fan is a Contractor's Best Friend

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

Dryer Exhaust

When is a dryer exhaust necessary?

According to some dryer installation instructions and local building codes, booster fans 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 an duct run longer and more restrictive than your dryer can handle. Installing a Fantech dryer booster in the duct line will relieve the excess pressure in the duct allowing the dryer to operate as designed.

What is the maximum length of duct that can be used with a Fantech dryer exhaust fan?

The DEDPV-705, DBF 4XL, DBF 4XLT and RVF 4XL (with DB10 pressure switch) are effective for up to 130 equivalent feet of 4" hard duct. The DBF 110 is effective up to 108 equivalent feet of 4" hard duct. At these lengths the booster fans will maintain a velocity 1,200 feet per minute which will keep lint particles airborne guarding against build up in the 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 5-7 feet to your total duct run calculations (or as required by local codes).

How do dryer exhaust fans work?

When the dryer is on, the patented pressure switch senses positive pressure in the duct and turns on the booster fan 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.

Where in the duct line can I install my Fantech exhaust fan?

Fantech recommends that the dryer exhauster be installed as close to the end of the duct run as possible with a minimum of 5 linear feet between the outlet of the dryer and the inlet of the fan.

Can the Fantech inline dryer exhaust fans be mounted horizontal?

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.

I am adding a Fantech dryer exhast fan 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 build up, 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 blocking the airflow and stopping the fan.

What maintenance does my Fantech inline dryer booster fan require?

Since the fan bearings are sealed for life and provided with an internal lubricant no additional lubrication is necessary. Over time the fan impeller may accumulate somee lint. Periodic inspection, based upon dryer usage, should be performed to ensure the fan impeller is not obstructed or loaded with lint. Under normal conditions, the fan should be inspected annually. To help minimize lint accumulation in the ductwork, we reccomend to install DBLT 4W, Secondary Lint Trap.

## How can I tell if my Fantech dryer exhaust fan is working?

With the dryer operating, open the dryer door. The fan on the dryer will stop but you should still hear air being pulled through the dryer from the booster fan. Fantech's DBF 4XLT and DEDPV-705 feature 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.

DEDPV-705

How A Remote Dryer Exhaust Ventilator Works

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

We Always Recommend our **UL Rated** DEDPV-705

Fresh Air Appliances

I have a fresh air appliance in my home and the air in my house is too dry or too humid. What's wrong?

A fresh air appliance is not made to take away or add humidity (act like a dehumidifier or humidifier). It is a "fresh air appliance". It will always depend on what the outside air is. If there is dry or humid air outside, then that is what will be brought in. If you do not want the same air conditions that are outside, inside. Then reduce the runtime (20 minutes per hour with ECO-Touch® or EDF7) on the fresh air appliance or, if you have a recirculation model, put it into recirculation mode.

What is the warranty on fresh air appliances' cores?

Aluminum HRV cores have a limited lifetime warranty. A properly maintained HRV core should last a very long time. ERV cores carry a 5 year warranty.

What is the difference between a Heat Recovery Ventilator (HRV) and an Energy Recovery Ventilator (ERV)?

An HRV transfers "sensible" energy (Heat/Cool) from the high (heat) to the low (cool), tempering the cool air in/out.

An ERV transfers the "sensible" energy the same as the HRV, it also transfers "Latent" energy (humidity) from the high (warm) to the low (cool) side. In southern areas of the country where the relative humidity is generally higher outside than inside and ERV transfers most of the high incoming relative humidity to the cool exhaust air stream.

Can a fresh air appliance with energy recovery be used in Northern climates?

Yes, an ERV can be used in areas where the outdoor temperature is low. It is recommended that an ERV with Defrost capability be installed where the temperature drops below 23 degrees F for more than 48 hours to stop icing of the core.

What control or controls can be used for a Fantech fresh air appliance?

Fantech has an extensive range of convenient wall controls that will help you efficiently operate your HRV or ERV. Please, check what control is compatible with your product.

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

DM3000P – Normally installed on the cold air return of your furnace or air handler.

CM3000 and CM3000I - Can be installed into the cold air return similar to the DM3000P or used as a stand alone unit. It can also be integrated with a Fantech HRV/ERV.

Can the HEPA unit be installed in an unconditioned space like a garage?

The CM3000I has an insulated cover suitable for installations in unconditioned spaces.

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

The Pre-filter and Carbon filters are normally changed every 3 to 6 months or as needed. The HEPA filter should have a life span of 2 to 5 years depending on the amount of particulate in the air and the maintenance of the prefilter and carbon filter.

Where can I buy replacement filters for the Fantech HEPA filtration unit?

Contact one of our Customer Care Representatives 800.747.1762 (toll free) for information and pricing.

What is a Fresh Air Appliance?

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

How One Device can Clean the Air in your ENTIRE Home

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?

NEW
HERO
HERO SERIES
Fresh Air Appliance
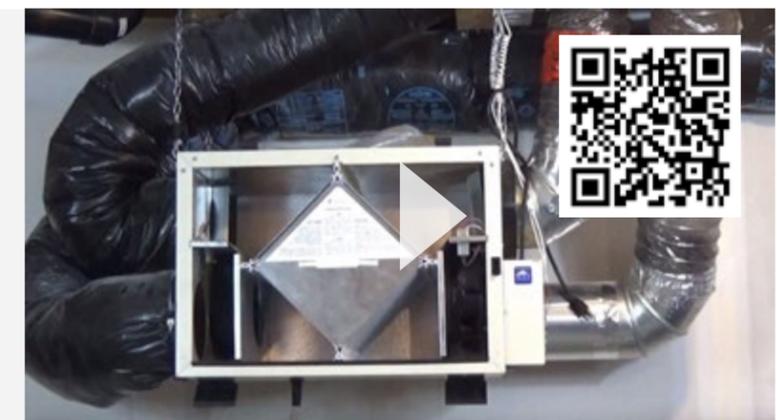
Kitchen Ventilation

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.

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 I install a MUAS in an uninsulated attic/basement?

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

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.

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.

How much space is required for a Makeup Air System?

Maximum length is 9.5 linear feet with optional heater. Minimum length is 8.5 linear feet without the optional heater.

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).

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

Do you need more info?

Check out Fantech.net for more details to help support your project or spec build.

Visit us at Fantech.net

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