

**Cobra**<sup>®</sup>



# VENTILATION



*Quality You Can Trust...  
From North America's  
Largest Roofing Manufacturer!™*

**GOING GREEN?**  
**Green  
Machine™**  
See page 9 for details

# Great Reasons To Choose **Cobra**® And **Master FLOW**® Attic Ventilation Products

## ✓ Professional Grade Quality...

All products are “contractor grade,” and feature fast, easy installation, plus long-term reliability for fewer call-backs

## ✓ Backed By GAF— And Good Housekeeping...

Products are backed by North America’s largest roofing and ventilation manufacturer—and have even earned the Good Housekeeping Seal!\*

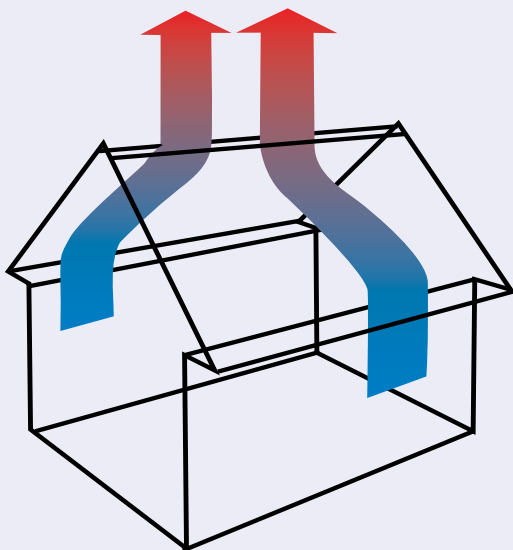


## ✓ Extra-Wide Nailing Flanges...

Many Master Flow® products have been designed with an extra-wide nailing flange and pre-drilled nail holes for faster, easier installation—to save labor and reduce the chances of leakage

## ✓ Latest Design Technology...

Master Flow® products undergo continual review and, when appropriate, re-engineering for superior performance, longer life, and easier installation



# Poor Attic Ventilation Can Ruin Your Insulation, Destroy Your Shingles, And Raise Your Energy Bills!

## Why Take Risks?

It is estimated that 9 out of 10 homes in North America do not have proper attic ventilation. Why? Because most people are unaware that attic ventilation can impact the longevity of their entire home!

For example, in the summer, improper ventilation can cause attic heat to build in excess of 160°F. This super-heated air eventually penetrates the ceiling insulation into the living area below.

### Types of damage that can result include:

- Premature aging of your roofing system (“fried” shingles)
- Warping, cracking, or breaking down of wood framing
- Damage to siding, exterior or interior paint, and wallpaper
- Higher energy costs

A properly ventilated attic can help reduce the load on your air conditioner by moving the super-heated air out of your attic before it builds up and causes damage.

In the winter, various household appliances, bathtubs, showers, and cooking vapors can contribute to excess moisture build-up. Improperly ventilated attics allow this moisture to collect and cling to the underside of the roof. The moisture will condense and fall, soaking the attic insulation and reducing its efficiency.

### Additional structural damage can include:

- Roof deck warping and rotting of the wood frame
- Mildew growth
- Buckling of shingles and felt

Finally, attics should be properly ventilated to help prevent ice dams in cold northern climates. During the winter, ice and snow on a roof will melt and run down the deck to the cooler eaves. This run-off can re-freeze, creating an ice dam that may force water back up under the shingles and leak into your home—causing hundreds or thousands of dollars of damage to your ceilings and walls. Adequate attic ventilation reduces the amount of initial melting that occurs on your roof, thereby reducing the chance that ice dams will form.

## Proper Attic Ventilation

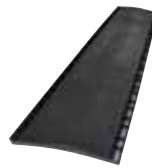
Proper attic ventilation systems allow a continual flow of outside air through the attic (see illustration at left), protecting the efficiency of the insulation and helping to lower temperatures in the living space.

**It consists of a balance between air intake (at your eaves or soffits) and air exhaust (at or near your roof ridge).**

The FHA (Federal Housing Administration) recommends a **minimum** of at least 1 square foot of attic ventilation (both intake and exhaust) for every 300 square feet of attic space. For example, if your attic is 900 square feet, you need a total of 3 square feet of ventilation. This amount should be divided equally between intake and exhaust ventilation (i.e., 1½ feet of each) to insure proper air flow through the attic. To calculate the amount of ventilation you need for your home, follow the example shown on the next page.

\*Cobra® and Master Flow® Attic Ventilation products have earned the prestigious Good Housekeeping Seal, which means that Good Housekeeping stands behind these products. (Refer to Good Housekeeping Magazine for its consumer protection policy.)

# Rating The Choices In Exhaust Ventilation



<b>Benefits</b>	<b>Features</b>	<b>Ridge Vents</b> (pgs. 4-7)	<b>Power Vents</b> (pgs. 10-11)	<b>Louvers</b> (pgs. 12-13,15)	<b>Turbines</b> (pg.14)
<b>Superior Appearance</b>	- Concealed when installed - Blends in well with roof	<b>Excellent</b>	<b>Excellent</b> (gable-mount) <b>Good</b> (roof-mount)	Fair/Good	Poor/Fair
<b>Easy To install</b>	- Less time-consuming - Less chance of errors - Fewer components	<b>Excellent</b> (new) <b>Good</b> (re-roof)	Good	<b>Excellent</b> (new) <b>Good</b> (re-roof)	Good (new) Fair (re-roof)
<b>Long-Lasting</b>	- Superior construction - Maintains efficiency	<b>Excellent</b>	Good	Good	Fair/Good
<b>Protection From Elements</b>	- Resists rain, snow, and wind - Resists debris blockage (leaves & pine needles) - Helps prevent animal and insect infestation	<b>Excellent</b>	<b>Excellent</b>	<b>Excellent</b>	<b>Excellent</b>
<b>Silent Operation</b>	- No motor/mechanical noise	<b>Excellent</b>	Fair	<b>Excellent</b>	Good
<b>Low Initial Investment</b>	- Lower cost to purchase/install	Good/ <b>Excellent</b>	Fair/Good	Fair/Good	Good
<b>Energy Saving</b>	- Saves energy	Good	<b>Excellent</b>	Fair/Good	Good
<b>Versatile</b>	- Works with complex roof designs (hip roofs, no soffits)	Fair	<b>Excellent</b>	Good	Good
<b>Nationwide Application</b>	- Works in any climate	Good	<b>Excellent</b>	Good	Good

## Calculating Your Ventilation Requirements\*

**Example:** Calculating the number of feet of Cobra® Exhaust Vent for a 30' x 40' attic:

**Step 1 - Calculate attic square footage**

How: Multiply length of attic (in feet) times width of attic (in feet)

**30' x 40' = 1,200 square feet**

**Step 2 - Calculate NFA (Net Free Area) needed for this attic by using the "1 in 300" rule**

How: Divide attic square footage by 300

**1,200 sq. ft. ÷ 300 = 4 square feet of NFA needed**

**Step 3 - Convert square feet of NFA to square inches**

How: Multiply square feet of NFA by 144

**4 sq. ft. x 144 = 576 square inches of NFA needed**

**Step 4 - Split the amount of NFA needed equally between the intake and the exhaust**

How: Divide square inches of NFA needed by 2

**576 sq. in. ÷ 2 = 288 square inches of NFA needed equally for exhaust & intake**

**Step 5 - Calculate # of feet of Cobra® Exhaust Vent**

How: Divide the square inches of NFA needed at the ridge by the NFA of the Cobra® Exhaust Vent (Cobra® Exhaust Vent is 16.9 sq. inches of NFA per linear feet)

**288 sq. in. ÷ 16.9 = 17 linear feet**

This attic requires 17 linear feet of Cobra® Exhaust Vent to meet FHA minimum requirements.

Important: Intake ventilation **MUST** be at least equal to exhaust ventilation. To determine the number of intake vents needed, select your vent on page 16, and install enough vents so that their combined NFA is at least 300 square inches.

Remember: *Always* have a balanced ventilation system. *In no case should the amount of exhaust ventilation exceed the amount of intake ventilation.*

\*Calculations are based on 1 square foot of net free ventilating opening for every 300 square feet of insulated ceiling with a vapor barrier. Some building codes require 1:150 if there is no vapor barrier. **Always consult local building codes for other ventilation requirements.**



# Roll Ridge Vents (Exhaust)

## Cobra® RIDGE RUNNER™

Exhaust Vent for Roof Ridge

Ridge Vents are your best overall value in attic ventilation. They feature low installed cost with superior performance—and they won't detract from the finished appearance of your roof!



*“The performance of a baffled rigid vent... with the ease of a roll!”*

### Homeowner's Best Choice

- **Vents Your Attic...** Allows heat & condensation to escape at the most effective location — the ridge
- **Looks Terrific...** Shingle-over design blends into your ridge line
- **Superior Protection...** Helps to prevent wood rot and extend the life of your exterior paint
- **Energy Efficient...** May even reduce your energy bills!
- **Durable...** Designed with high-impact polymers
- **Watertight...** Passes the 110 mph wind-driven rain test\*
- **Weather Fighter Filter...** Helps prevent all types of weather infiltration
- **Peace Of Mind...** Up to a Lifetime ltd. warranty when installed on a Lifetime Shingle roof\*\*

\*Under controlled laboratory conditions.

\*\*See GAF Shingle & Accessory Ltd. Warranty for complete coverage and restrictions. The word "Lifetime" means as long as the original individual owner of a single family detached residence (or the second owner in certain circumstances) owns the property where the shingles and accessories are installed. For owners/structures not meeting above criteria, Lifetime coverage is not applicable. Lifetime ltd. warranty on accessories requires the use of at least three qualifying GAF accessories and the use of Lifetime Shingles.

### Professional's Best Choice

- **Fast & Easy To Install...** Fully nail gunable; simply roll out and fasten with included 1 3/4" coil nails
- **Easy Sizing...** EasyTear™ feature allows you to hand-tear product in 12" increments—no knives necessary and less waste!
- **Effective...** Cobra® Ridge Runner™ provides 12.5 sq. inches per linear foot of net free ventilating area
- **Great Performance...** Externally baffled for excellent ventilation and protection against weather infiltration
- **Fits Better...** Extra-flexible hinge allows installation on 3:12 to 16:12 sloped roofs
- **Ridge Cap Compatible...** Works with 12" width ridge cap shingles

Model No.  
**2019000CU**

Size  
**20' x 11.5" (filtered nail gun version)**

### How Much Do I Need?

Total Attic Square Footage	Recommended Length of Cobra® Ridge Runner™ (Feet)	Minimum Intake Ventilation (Net Free Area in Sq. In.)
<b>1600</b>	<b>31</b>	<b>388</b>
<b>1900</b>	<b>37</b>	<b>463</b>
<b>2200</b>	<b>43</b>	<b>538</b>
<b>2500</b>	<b>48</b>	<b>600</b>
<b>2800</b>	<b>54</b>	<b>675</b>
<b>3100</b>	<b>60</b>	<b>750</b>
<b>3400</b>	<b>66</b>	<b>825</b>



Texas Department of Insurance Product Evaluation RV-29

Florida Building Code FL-6267

ICC-ES-ESR 1265



One 20' Coil of Cobra® Ridge Runner™ Vent replaces:

7 Conventional Roof Vents

OR



Four 12" Turbine Roof Vents

# Cobra®

Exhaust Vent for Roof Ridge

*“The original Cobra® Ridge Vent—protects over 2 million homes!”*

### Homeowner's Best Choice

- **Vents Your Attic...** Allows heat & condensation to escape at the most effective location — the ridge
- **Looks Terrific...** 100% shingle-over design is virtually invisible when installed
- **Superior Protection...** Helps to prevent wood rot and extend the life of your exterior paint
- **Safeguards Possessions...** Helps limit mildew growth caused by damp attic air
- **Energy Efficient...** May even reduce your energy bills!
- **Watertight...** Passes the 110 mph wind-driven rain test\*
- **Safer...** Helps prevent problems with insects, birds, and animals in your attic
- **Peace Of Mind...** Up to a Lifetime Ltd. warranty when installed on a Lifetime Shingle roof\*\*

\*Under controlled laboratory conditions.

\*\*See GAF Shingle & Accessory Ltd. Warranty for complete coverage and restrictions. The word “Lifetime” means as long as the original individual owner of a single family detached residence (or the second owner in certain circumstances) owns the property where the shingles and accessories are installed. For owners/structures not meeting above criteria, Lifetime coverage is not applicable. Lifetime Ltd. warranty on accessories requires the use of at least three qualifying GAF accessories and the use of Lifetime Shingles.

### Professional's Best Choice

- **Greater Homeowner Satisfaction...** Low-profile design is hidden by ridge cap shingle
- **Easy To Install...** Quick 3-step process on roof slopes between 2:12 and 20:12. No need for complicated fitting, wrapping, connectors, or end plugs
- **Nails Included...** Includes Smart Nails™ for reliable hand installation or 1¾" coil nails for nail gun installation
- **Great Performance...** Provides 16.9 sq. in./linear foot (hand nail) or 14.1 sq. in./linear foot (nail gun) of net free ventilating area at the most effective location on the roof
- **More Reliable...** Will not crack or dent during shipping and installation; won't corrode, rust or turn brittle
- **Ridge Cap Compatible...** Options available for 10", 12" and metric width ridge cap shingles

### How Much Do I Need?

Total Attic Square Footage	Recommended Length Of Cobra® Ridge Vent (Feet)*	Minimum Intake Ventilation (Net Free Area In Sq. In.)*
1600	23/28	389/395
1900	27/33	457/466
2200	32/38	541/536
2500	36/43	609/607
2800	40/48	676/677
3100	45/53	761/748
3400	49/58	829/818

\*First figure pertains to Hand Nail, second figure pertains to Nail Gun



Texas Department of Insurance  
Product Evaluation  
RV-19

Florida Building Code  
FL197-R2  
ICC-ES-ESR 1265





Available in  
**Hand Nail  
& Nail Gun**



Made from  
100%  
Recycled  
Fibers!

SHINGLE & ACCESSORY LTD. WARRANTY  
**Lifetime**  
LTD. WARRANTY TERM

## One 20' Coil of Cobra® Ridge Vent replaces:

<p><b>14.1" NFVA</b></p> <p><b>Nail Gun</b></p>  <p>7 Conventional Roof Vents</p> <hr/> <p><b>Hand Nail</b></p>  <p>9 Conventional Roof Vents</p>	OR	<p><b>Nail Gun</b></p>  <p>Four 12" Turbine Roof Vents</p> <hr/> <p><b>Hand Nail</b></p>  <p>Five 12" Turbine Roof Vents</p>
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Model No.	Size	
2017	20' x 8"	(nail gun version)
2008	20' x 8"	(hand nail version)
2005	20' x 10.5"	(nail gun version)
2000	20' x 10.5"	(hand nail version)
2016	50' x 10.5"	(nail gun version)
2050	50' x 10.5"	(hand nail version)
2011	20' x 11.75"	(hand nail version)

# Rigid Vents (Exhaust)

SHINGLE & ACCESSORY LTD. WARRANTY  
**Lifetime**  
 LTD. WARRANTY TERM

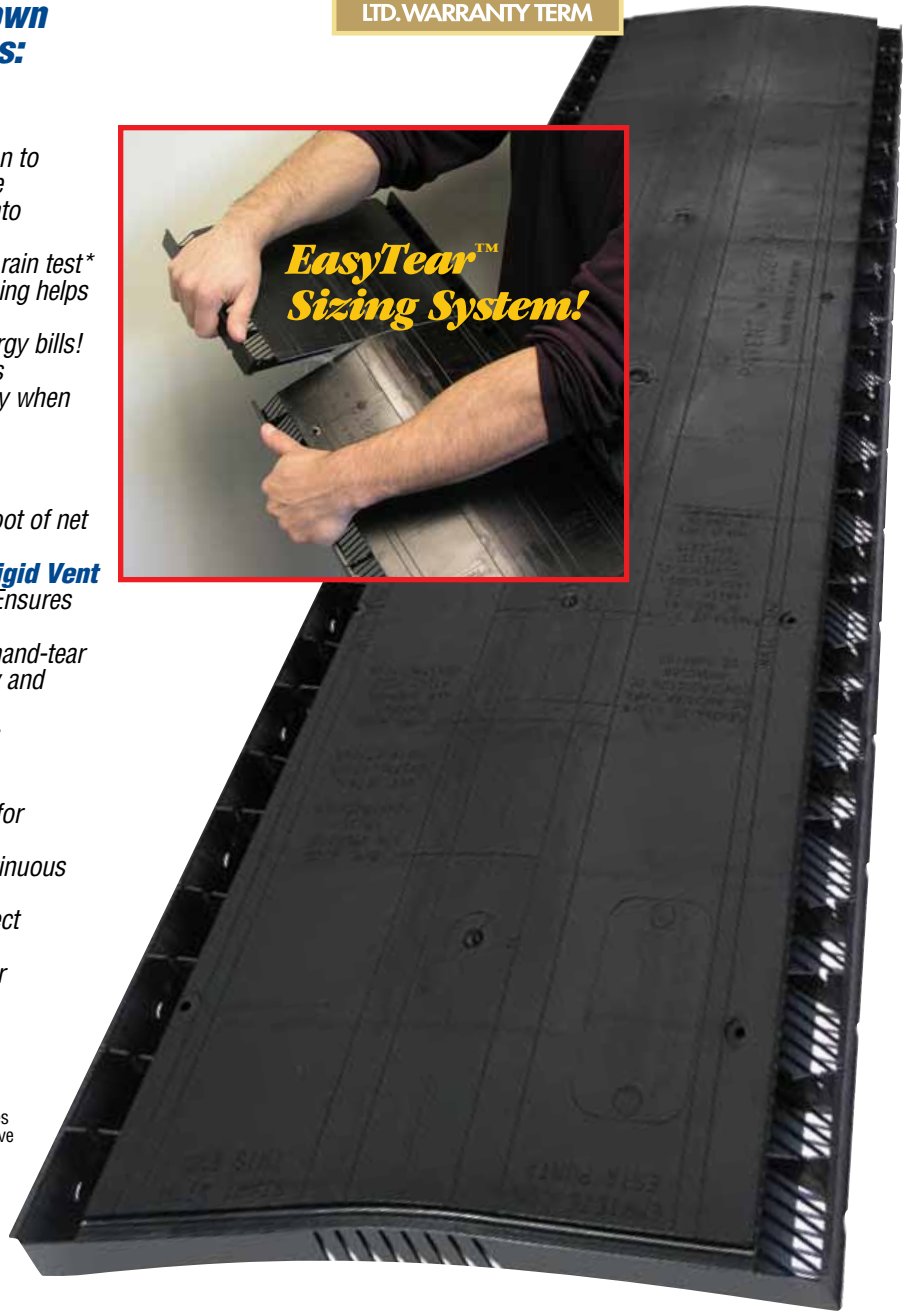
All Cobra® Rigid-Style Vents shown on page 7 include these features:

**Homeowner's Best Choice**

- **Vents Your Attic...** Allows heat & condensation to escape at the most effective location — the ridge
- **Looks Terrific...** Shingle-over design blends into your ridge line
- **Watertight...** Passes the 110 mph wind-driven rain test\*
- **Insect Guard...** Specially-designed louver spacing helps keep insects out
- **Energy Efficient...** May even reduce your energy bills!
- **Durable...** Designed with high-impact polymers
- **Peace Of Mind...** Up to a Lifetime ltd. warranty when installed on Lifetime Shingle roofs\*\*

**Professional's Best Choice**

- **Effective...** Provides 18 sq. inches per linear foot of net free ventilating area
- **3" Ring Shank Nails Included (on Cobra® Rigid Vent 3™ and Snow Country Advanced™ only)...** Ensures proper fastening on every installation
- **Easy Sizing...** EasyTear™ feature allows you to hand-tear product in 3" increments — no knives necessary and less waste!
- **Fits Better...** Extra-flexible hinge design allows installation on 3:12 to 16:12 sloped roofs
- **No End Caps Needed!**
- **Crush Resistant...** Internal structural support for added durability
- **No Gaps...** Edge overhang allows smooth, continuous coverage between sections
- **Fewer Call-backs...** External baffles help deflect wind and rain
- **Ridge Cap Compatible...** Options available for both 10" width and 12" width ridge cap shingles



\*Under controlled laboratory conditions.

\*\* See GAF Shingle & Accessory Ltd. Warranty for complete coverage and restrictions. The word "Lifetime" means as long as the original individual owner of a single family detached residence (or the second owner in certain circumstances) owns the property where the shingles and accessories are installed. For owners/structures not meeting above criteria, Lifetime coverage is not applicable. Lifetime ltd. warranty on accessories requires the use of at least three qualifying GAF accessories and the use of Lifetime Shingles.

## How Much Do I Need?

Total Attic Square Footage	Recommended Length of Cobra® Rigid Vents (Feet)	Minimum Intake Ventilation (Net Free Area in Sq. In.)
1600	22	396
1900	26	468
2200	30	540
2500	34	612
2800	38	684
3100	42	756
3400	46	828



ICC-ES-ESR 1265

Florida Building Code  
FL 7611

Texas Department  
of Insurance  
Product Evaluation RV-29

One box (40') of Cobra® Rigid Exhaust Vents (any style) replaces:



18 Conventional Roof Vents

OR



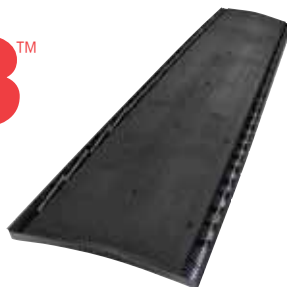
Ten 12" Turbine Roof Vents





# Cobra® RIGIDVENT3™

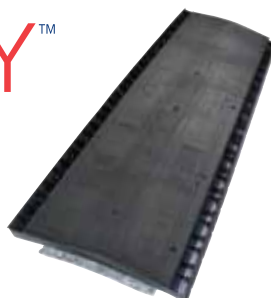
Exhaust Vent for Roof Ridge



- ✓ Premium rigid-style vent
- ✓ Includes 3" ring shank nails for easy installation
- ✓ Available in warmer climates
- ✓ 9" and 11.5" widths

# Cobra® SNOWCOUNTRY™

Exhaust Vent for Roof Ridge



- ✓ Quality rigid-style vent
- ✓ Snow Guard™ filter helps resist snow infiltration
- ✓ Available in colder climates

# Cobra® SNOWCOUNTRY™ ADVANCED™

Exhaust Vent for Roof Ridge



- ✓ Premium-quality rigid-style vent
- ✓ Snow Guard™ filter helps resist snow infiltration
- ✓ Includes 3" ring shank nails for easy installation
- ✓ Available in colder climates
- ✓ 9" and 11.5" widths

## 10' ALUMINUM RIDGE VENTS

- **Quality-Built...** For long life on the roof
- **Superior Performance...** Wide, free-flow drainage areas
- **Easy Installation...** Aluminum sections with pre-punched nail holes install quickly with strap and end/connector plug accessories
- **Watertight...** Built-in weather baffle helps prevent moisture infiltration for slopes from 3:12 to 12:12

### How Much Do I Need?

Total Attic Square Footage	Recommended Length Of AR-10 Metal Ridge Vent (Ft.)	Minimum Intake Ventilation (Net Free Area In Sq. In.)
1600	18	387
1900	22	473
2200	25	538
2500	28	602
2800	32	688
3100	35	753
3400	38	817

Black	Brown	White	Description	Roof Pitch Range	NFA (per ft.)
AR10BL	AR10BR	AR10W	10' Ridge Vent (Std.)	3/12 - 12/12	21.5
AR10BLH	AR10BRH	AR10WH	10' Ridge Vent (Heavy)	3/12 - 12/12	21.5
ARSBL	ARSBR	ARSW	Joint Straps		
ARCP			End/Connector Plugs		



Texas Department of Insurance  
Product Evaluation RV-37

Florida Building Code  
FL 5027



# Cobra® FASCIAFLOW™ Premium Intake Ventilation

An estimated 9 out of every 10 homes in North America have inadequate attic ventilation systems. Inadequate attic ventilation can often be attributed to homes having little or no intake ventilation.

## Homeowner's Best Choice

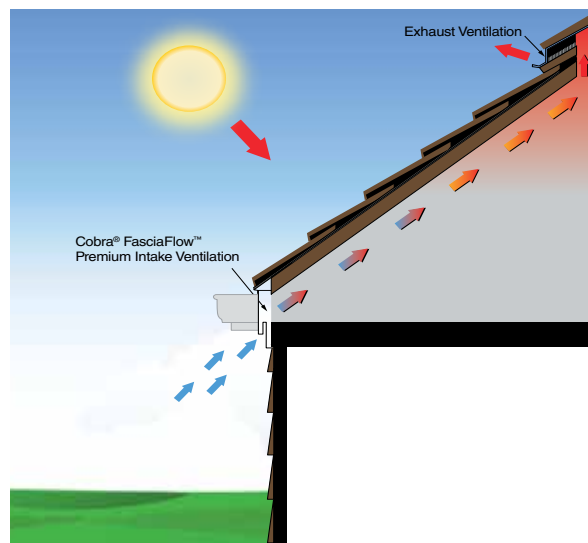
- **Improves Your Attic Ventilation System...** Cobra® FasciaFlow™ Premium Intake Ventilation allows cool, fresh air to enter your attic, helping to drive hot, moist air out of your attic's exhaust vents. This greatly improves the efficiency of your attic ventilation system
- **Looks Terrific...** Ingenious design blends in perfectly with most popular residential trim systems. It's even paintable for a custom look!
- **Maintenance Free...** Unlike wood or other traditional fascia materials, Cobra® FasciaFlow™ Intake Vent is designed with PVC for years of maintenance-free performance
- **Peace of Mind...** Up to a Lifetime Ltd. warranty when installed on a Lifetime Shingle roof\*

\*See GAF Shingle & Accessory Ltd. Warranty for complete coverage and restrictions. The word "Lifetime" means as long as the original individual owner of a single family detached residence (or the second owner in certain circumstances) owns the property where the shingles and accessories are installed. For owners/structures not meeting above criteria, Lifetime coverage is not applicable. Lifetime Ltd. warranty on accessories requires the use of at least three qualifying GAF accessories and the use of Lifetime Shingles.

## Professional's Best Choice

- **The Perfect Solution...** Cobra® FasciaFlow™ Premium Intake Ventilation's patented design delivers critical intake ventilation on tough-to-vent properties such as homes with little or no soffits, mansard roofs, and even vented roof decks
- **Maximum Airflow...** Cobra® FasciaFlow™ Premium Intake Ventilation provides a full 9 sq. in. of NFA (Net Free Area) to deliver cool intake airflow into the attic ventilation system
- **Fastening Made Easy...** Built-in fastening ribs, with 8" on-center rafter guides, help to ensure proper fastening with maximum holding power
- **Works With Attic Rafter Systems...** Specifically designed to work with 16" or 24" on-center residential attic rafter systems
- **Pre-formed Side Laps...** Helps ensure maximum resistance to weather infiltration at the vertical joints between Cobra® FasciaFlow™ Premium Intake Ventilation sections

Product Specifications  
Size: 12' x 6" x 1.25"  
NFA: 9 Sq. In. per Lineal Foot  
Pieces per Pallet: 91  
Construction: PVC



For maximum performance use with Cobra® Ridge Vents.

## How Much Do I Need?

Total Attic Square Footage	Recommended Length of Cobra® FasciaFlow™ Premium Intake Ventilation	Minimum Intake Ventilation (Net Free Area in Sq. In.)
1600	43	387
1900	51	459
2200	59	531
2500	67	603
2800	75	675
3100	83	747
3400	91	819

Cobra® FasciaFlow™ Premium Intake Ventilation has 9 sq. in./linear ft. of net free ventilating area.

**NOTE:** Always have a balanced ventilation system. In no case should the amount of exhaust ventilation at the ridge exceed the amount of intake ventilation.

SHINGLE & ACCESSORY LTD. WARRANTY  
**Lifetime**  
LTD. WARRANTY TERM

**"Failing to properly install intake ventilation can render your attic ventilation system virtually useless!"**



### EcoSmart Solar-Powered Vents

- **Reduce Hassles...** No extra wiring or expensive electricians needed
- **Energy Savers...** Fully solar powered to eliminate related utility costs



### EcoSmart Dual-Powered Vents

- **24/7 Cooling...** They work whether the sun is out or not!
- **Use 80% Less Electricity...** Versus standard electric power ventilators\*
- **No-Hassle Operation...** Automatically switch between solar and house electric power
- **Thermostat Controlled...** For additional energy savings

\*When running on house electric power



### Homeowner's Best Choice

- **Vents Your Attic...** Removes damaging heat and moisture from your attic
- **Improves Ventilation Systems...** More effective than (and a great replacement for) roof louvers
- **Impact Resistant...** Solar panel tested to withstand hail and foreign object impact for long-lasting operation
- **Weatherproof...** Passes 110 mph wind-driven rain tests\*
- **Homeowner Satisfaction...** Environmentally friendly operation
- **Peace of Mind...** Backed by 5-year ltd. warranty with 2-year labor protection plus plan\*\*

### Professional's Best Choice

- **Maximum Durability...** Equipped with a brushless motor that requires no maintenance, unlike traditional motors
- **Great Performance...** Up to 500 CFM in solar operation; 900 CFM in AC operation (dual-powered vents only) for excellent airflow
- **Fully Adjustable Solar Panel...** Tilt and swivel design for optimal performance
- **Homeowner Satisfaction...** Environmentally friendly operation
- **Excellent Protection...** Extra-wide flashing helps to prevent leaks

\* Under controlled laboratory conditions.

\*\* See Master Flow® Powered Ventilation Products Ltd. Warranty for complete coverage and restrictions.

### Usage Recommendations

Total Attic Square Footage	Recommended # of Green Machine™ Roof Exhaust Vents	Minimum Intake Ventilation (Net Free Area in Sq. In.)
1600	2	480
2400	3	720
3200	4	960

Note: In no case should the amount of exhaust ventilation exceed the amount of soffit/intake ventilation.

Note: Minimum attic space recommended is 800 sq. ft. per unit.



Florida Building Code  
FL 5027

### EcoSmart Solar-Powered Ridge Vents

#### Homeowner's Best Choice

- **Improves Your Ventilation System...** More effective than (and a great replacement for) roof louvers or turbine-style vents
- **Vents Your Attic...** 750 CFM for excellent airflow. Up to 25 times more airflow than typical stand-alone ridge vents and comparable to typical power vents
- **No-Hassle Operation...** No extra wiring or expensive, hard-to-schedule electricians needed
- **Low Cooling Costs...** Solar powered to reduce related energy costs

#### Product Specifications

- Unit Size: 14" wide x 18" tall
- Solar Panel Size: 2 panels - 24" x 7" each
- Impact resistant, UL approved solar panels
- Adjustable thermostat included
- Up to 750 CFM when running on solar panels
- ETL Approved

#### Usage Recommendations

Total Attic Square Footage	Recommended # of Green Machine™ Solar-Powered Ridge Vents	Minimum Intake Ventilation (Net Free Area in Sq. In.)
1600	2	720
2400	3	1080
3400	4	1440

NOTE: The amount of exhaust ventilation should NEVER exceed the amount of soffit ventilation.





# Power Roof Ventilators (Exhaust)

Master Flow® Power Ventilators (roof or gable mount) are your best overall investment in attic ventilation. While they may cost more to install than other types of ventilation, they remove the greatest volume of hot and/or humid air from your attic, saving you more in heating and cooling costs than any other type of ventilation!



Texas Department of Insurance RV-37&38

Florida Building Code FL 5027



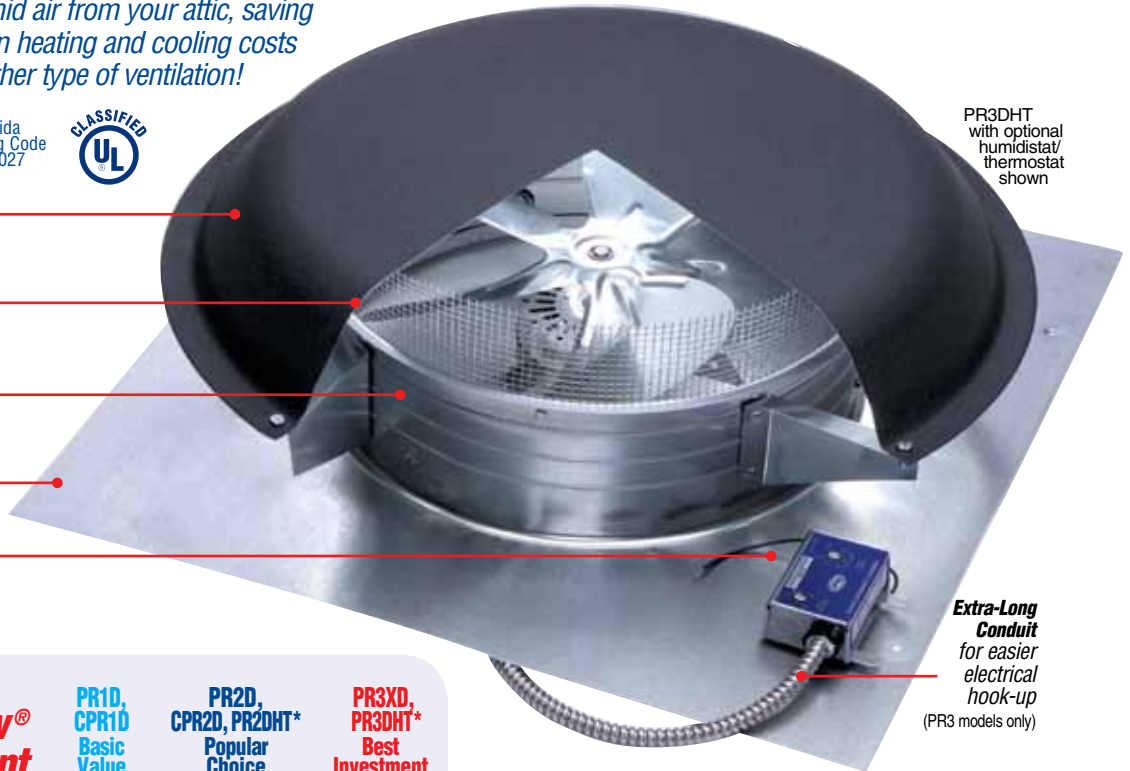
**Available In Popular Colors** to blend in with your roof (see chart below)

**Heavy-Duty Screen** deters animals, birds, and insects

**Every Unit Factory Tested** prior to shipment

**Large Pre-Punched Flashing** for easier installation and less chance of leaks

**Adjustable Humidistat/Thermostat Included** for superior operation (select models only)



PR3DHT with optional humidistat/thermostat shown

**Extra-Long Conduit** for easier electrical hook-up (PR3 models only)

## Choosing The Right Master Flow® Roof Mount Power Vent

	PR1D, CPR1D Basic Value	PR2D, CPR2D, PR2DHT* Popular Choice	PR3XD, PR3DHT* Best Investment
Air flow (cubic feet per minute)	1000	1250	1600
Motor/size	Good (1/10 hp)	Better (1/8 hp)	Best (1/6 hp)
Large pre-punched flashing for easier installation?	✓	✓	✓
Every unit fully run-tested prior to shipment?	✓	✓	✓
Heavy-duty screen helps deter animals, birds & insects?	✓	✓	✓
Automatic adjustable thermostat included?	✓	✓	✓
Adjustable humidistat/thermostat available?	✓	✓	✓
ShingleMatch™ painted hood for better look?	✓	✓	✓
Extra-long conduit (24") for easier electrical hook-up	✓	✓	✓
Excellent for roof slopes 3:12-12:12	✓	✓	✓
Length of ltd. warranty†	5 Yrs.	5 Yrs.	10 Yrs.
Length of Labor Protection Plus Plan‡	2 Yrs.	3 Yrs.	5 Yrs.
Maximum attic size for optimum performance (square feet @ 4/12 roof pitch)	1600	2400	3200

## See How Master Flow® Power Vents Compare To The Leading Competitor!

Feature	Master Flow®	Leading Competitor
Miami-Dade County Approved For Superior Weathertight Performance	Yes	?
Extra-Wide Flashing For Easier Installation	Yes	No
Fully Run-Tested Prior To Shipment To Eliminate Hassles & Call-backs	Yes	?

† See Master Flow® Powered Ventilation Products Ltd. Warranty for complete coverage and restrictions.  
\* Humidistat thermostat included

Mill	Black	Brown	Weathered Wood	ShingleMatch™ WW	Warranty/Labor Protection Plus Plan†
PR1D	PR1DBL	PR1DBR	PR1DWW CPR1DWW	-	5 Yr. Ltd. Warranty/2 Yr. Labor Prot. Plus Plan
PR2D	PR2DBL	PR2DBR	PR2DWW CPR2DWW	-	5 Yr. Ltd. Warranty/3 Yr. Labor Prot. Plus Plan
PR2DHT	PR2DBLHT	PR2DBRHT	PR2DWWHT	-	5 Yr. Ltd. Warranty/3 Yr. Labor Prot. Plus Plan
-	-	-	-	PR3XDSMWW PR3DSMWWHT	10 Yr. Ltd. Warranty/5 Yr. Labor Prot. Plus Plan
-	-	-	-	-	10 Yr. Ltd. Warranty/5 Yr. Labor Prot. Plus Plan

† See Master Flow® Powered Ventilation Products Ltd. Warranty for complete coverage and restrictions.

## Power Vent Accessories

### HUMIDISTAT (MODEL H1)

- Fully adjustable for all climate conditions
- Can be used with all Master Flow® & LL Building Products Inc. Power Vents
- Helps power ventilator reduce damaging attic moisture



### HUMIDISTAT/THERMOSTAT (Model HT1)

- Fully adjustable for all climate conditions
- Can be used with all Master Flow® & LL Building Products Inc. Power Vents
- Helps power ventilator reduce damaging attic heat & moisture





# Power Gable Ventilators (Exhaust)

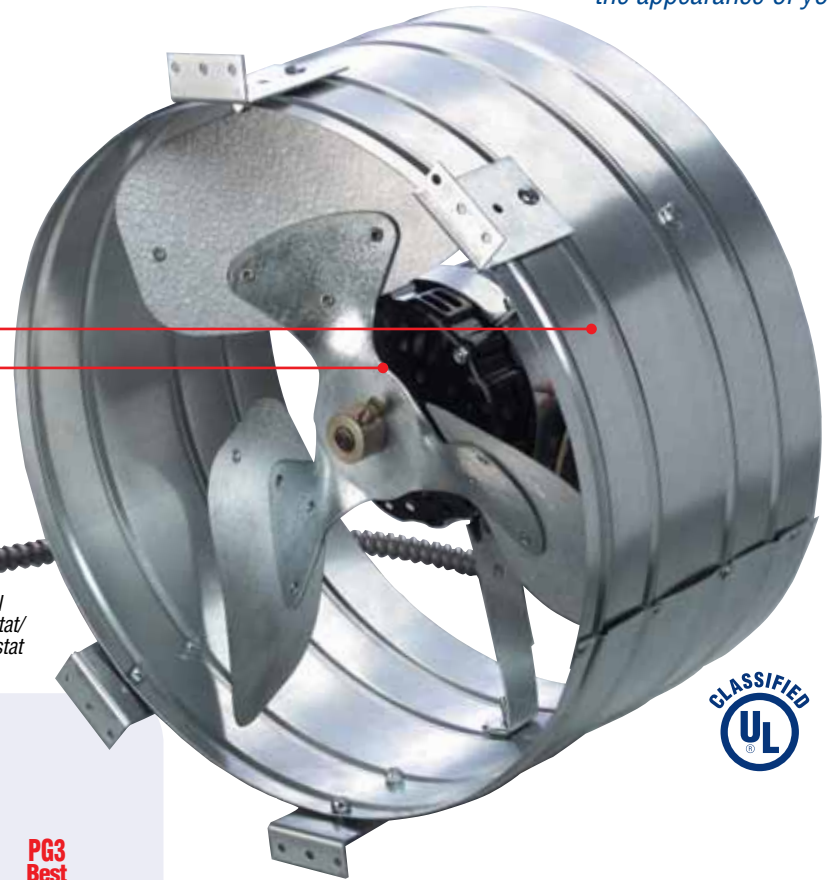
*Gable mount attic ventilators are a great choice for exhaust ventilation because they are the easiest power vent to install and won't detract from the appearance of your roof!*

**100% Rust-Resistant Metal**  
for long life

**100% Pre-Tested Motor**  
for trouble-free, long-lasting operation

**Extra-Long Conduit**  
for easier electrical hook-up  
(select models only)

**Adjustable Thermostat Included**  
for superior operation



## Choosing The Right Master Flow® Gable Mount Power Vent

Air flow (cubic feet per minute)  
Motor/size  
100% rust-resistant metal construction  
Automatic adjustable thermostat included?  
Every unit fully run-tested prior to shipment  
Extra-long conduit (24") for easier installation  
Length of ltd. warranty†  
Length of Labor Protection Plus Plan†  
Maximum attic size for optimum performance (sq. ft. @ 4/12 roof pitch)

	<b>CPG2, PG2</b> Popular Choice	<b>PG3</b> Best Investment
Air flow (cubic feet per minute)	<b>1540</b>	<b>1600</b>
Motor/size	<b>Better (1/7 hp)</b>	<b>Best (1/5 hp)</b>
100% rust-resistant metal construction	✓	✓
Automatic adjustable thermostat included?	✓	✓
Every unit fully run-tested prior to shipment	✓	✓
Extra-long conduit (24") for easier installation		✓
Length of ltd. warranty†	<b>5 Yrs.</b>	<b>10 Yrs.</b>
Length of Labor Protection Plus Plan†	<b>3 Yrs.</b>	<b>5 Yrs.</b>
Maximum attic size for optimum performance (sq. ft. @ 4/12 roof pitch)	<b>2400</b>	<b>3200</b>

†See Master Flow® Powered Ventilation Products Ltd. Warranty for complete coverage and restrictions.



### REPLACEMENT THERMOSTAT (Model PT6)

- Automatic and adjustable
- Compatible with all single-speed Master Flow® & LL Building Products Inc. Power Vents
- UL Listed



### REPLACEMENT MOTORS (not shown)

- Model PVM105 – Replaces motor for the following models: PG1, CPG2 (available in Canada only), PG2, PR1, CPR1D, PR1D, CPR2D, PR2D, & PR2DHT
- Model PVM115 – Replacement motor for the following models: PSG3, PSG3HT, PG3X, PSR10D, PSR10DHT, PR3XD, PRX3DHT

### SGM 20 Gable Mount Power Vent Automatic Shutter

- Use with all attic power gable mount vents
- Moving air opens the louvers only when the power vent is operating
- When vent is off, shutter helps prevent infiltration of rain, snow, insects, etc.
- Maintenance-free white aluminum construction (can be painted if desired)

Model No.	Opening Dimensions	Overall Dimensions
<b>SGM20</b>	16½" x 16½"	19¼" x 19¼"





# Roof Louvers (Exhaust)



For those who prefer roof louvers (or where existing roof louvers are being replaced), Master Flow® offers a complete line of quality choices. In fact, we're so confident in the performance of our louvers that we offer a four-year ltd. warranty!\* When you compare our features and warranty to any other brand on the market, Master Flow® Louvers are the obvious choice!

## SSB960A *Our Best Metal Roof Louver*

with fully enclosed hood to help prevent rodent/insect infiltration and leaf/pine needle clogging



Texas Department of Insurance



Product Evaluation RV-38

Florida Building Code FL 5027



- **Slant-Back Design For Superior Performance...** Best choice against weather infiltration, especially in steep-slope applications
- **20% More Ventilating Capacity\***... A full 60 sq. in. of net free ventilating area (NFA) per vent
- **Lower Installation Costs...** Fewer vents needed for roof installation\*
- **Looks Better...** Embossed finish hides scratches, resists wear
- **Popular Colors...** To complement most roofs (Black, Brown, Weathered Wood, White, Mill, ShingleMatch™ Weathered Wood)
- **Professional's Choice...** 12% larger flashing with pre-drilled nail holes makes installation easier, helps prevent leaks
- **Longer Lasting...** Aluminum construction won't rust

\*Compared to 50 sq. in. NFA vents

### How Many Do I Need?

TOTAL ATTIC SQUARE FOOTAGE	RECOMMENDED NUMBER OF SSB 960 LOUVERS	MINIMUM INTAKE VENTILATION (NET FREE AREA IN SQ. IN.)
0-1000	4	240
1001-1500	6	360
1501-2000	8	480
2001-2500	10	600
2501-3000	12	720

## IR65 *Our Best High-Impact Resin Roof Louver*

with superior resistance against dents and scratches



- **Slant-Back Design For Superior Performance...** Best choice against weather infiltration, especially in steep-slope applications
- **High-Impact Resin Construction...** With UV inhibitors to maintain consistent color
- **30% More Ventilating Capacity\***... A full 65 sq. in. of net free ventilating area (NFA) per vent
- **Less Hassles...** Scratch, crush, and dent resistant
- **Lower Installation Costs...** Fewer vents needed for roof installation\*
- **4 Popular Colors...** To complement most roofs (Black, Brown, Gray, Weathered Wood)
- **Professional's Choice...** 12% larger flashing with pre-drilled nail holes makes installation easier, helps prevent leaks
- **Unique, Built-In Screen...** Helps deter bird and rodent infiltration; prevents clogging from leaves and pine needles
- **Hood Stays In Place...** Hood is securely snapped in place (rather than tacked) to reduce chance of blow-off

\*Compared to 50 sq. in. NFA vents

### How Many Do I Need?

TOTAL ATTIC SQUARE FOOTAGE	RECOMMENDED NUMBER OF IR65 LOUVERS	MINIMUM INTAKE VENTILATION (NET FREE AREA IN SQ. IN.)
0-1000	4	260
1001-1500	6	390
1501-2000	8	520
2001-2500	10	650
2501-3000	12	780



## How Many Do I Need?

TOTAL ATTIC SQUARE FOOTAGE	RECOMMENDED NUMBER OF RT-65 LOUVERS	MINIMUM INTAKE VENTILATION (NET FREE AREA IN SQ. IN.)
0-1000	4	240
1001-1500	6	360
1501-2000	8	480
2001-2500	10	600
2501-3000	12	720



### **RT-65** **Square-Top Resin Construction**

- **Large Capacity...** Full 60 sq. in. of net free ventilating area (NFA) per vent
- **Less Hassles...** Scratch, crush, and dent resistant
- **4 Popular Colors...** To complement most roofs (Black, Brown, Gray, Weathered Wood)
- **Easier To Install...** Pre-drilled nail holes with extra wide flashing area
- **Homeowner's Choice...** High-impact resin construction looks great for years
- **UV Inhibitors...** Help to maintain consistent color

## How Many Do I Need?

TOTAL ATTIC SQUARE FOOTAGE	RECOMMENDED NUMBER OF IR-61 LOUVERS	MINIMUM INTAKE VENTILATION (NET FREE AREA IN SQ. IN.)
0-1000	7	259
1001-1500	10	370
1501-2000	13	481
2001-2500	17	629
2501-3000	20	740



### **IR-61** **Super-Low Profile, Slant-Back Resin Construction**

- **Sleek Design...** Super-low profile (just 2" high!) for better appearance
- **Homeowner's Choice...** High-impact resin construction looks great for years
- **4 Popular Colors...** To complement most roofs (Black, Brown, Gray, Weathered Wood)
- **Easier To Install...** Pre-drilled nail holes make installation easier
- **UV Inhibitors...** Help to maintain consistent color

## How Many Do I Need?

TOTAL ATTIC SQUARE FOOTAGE	RECOMMENDED NUMBER OF R50A LOUVERS	MINIMUM INTAKE VENTILATION (NET FREE AREA IN SQ. IN.)
0-1000	5	250
1001-1500	8	400
1501-2000	10	500
2001-2500	12	600
2501-3000	15	750



### **R50A** **Square-Top Metal Utility Vent**

- **Perfect Utility Vent...** Recommended for kitchen duct outlets and bathroom fan exhausts, as well as attic ventilation
- **Large Capacity...** Full 50 sq. in. of net free ventilating area (NFA) per vent
- **Versatile...** Available with square throat, in heavy-duty aluminum
- **Easier To Install...** Pre-drilled nail holes with extra-wide flashing area
- **Popular Colors...** See chart at bottom of page

Mill	Brown	Black	Weathered Wood	ShingleMatch™ Weath. Wood	Gray	White	Construction	Opening Size	Flashing Dimensions	Ht.	NFA (Sq. In.)
SSB960A	SSB960ABR	SSB960ABL	SSB960AWW	SSB960ASMWW	-	SSB960AW	Aluminum	10"	18" x 20½"	5½"	60
-	IR65BR	IR65BL	IR65WW	-	IR65G	-	High-Impact Resin	11¼" x 10¾"	20¼" x 18"	5¾"	65
-	IR61BR	IR61BL	IR61WW	-	IR61G	-	High-Impact Resin	11¼" x 9¾"	18½" x 17½"	4¼"	37
-	RT65BR	RT65BL	RT65WW	-	RT65G	-	High-Impact Resin	11½" x 10"	18½" x 18"	4"	60
R50A	R50ABR	R50ABL	R50AWW	-	-	-	Aluminum	9"	17¾" x 15¾"	4"	50

NOTE: Minimum roof pitch is 3:12



# Rotary Turbine Vents (Exhaust)



Master Flow® Turbines offer the most advanced, easy-to-install line of high-performance turbines for roofing applications!

## Master Flow® Deluxe Turbines

Deluxe turbines are designed with upper and lower stainless steel ball bearing systems for years of trouble-free operation!



Externally Braced

Internally Braced



Texas Department of Insurance Approved RV-37 & RV-38

Florida Building Code FL-5027

Deluxe turbines are available in 12" or 14" sizes, galvanized or aluminum construction, and internally or externally braced (see chart below)

## Your Best and Safest Choice!

- **Quiet and Durable...** Exclusive stainless dual bearing system for durable, long-lasting smooth and silent operation
- **Super Leak Protection...** Double-ribbed vanes, with convex top, direct even wind-driven rain away from the unit
- **Protects Your Investment...** Allows heat and moisture-laden air to escape your attic, helping to extend the life of your roof
- **Versatile...** Can be installed virtually on any roof, from 2:12 up to 12:12 pitch
- **Peace Of Mind...** Lifetime ltd. warranty backed by GAF, North America's largest roofing and ventilation manufacturer\*
- **Energy Efficient...** May even reduce your energy costs!

\*See Master Flow® Ventilation Products Ltd. Warranty for complete coverage and restrictions. The word "Lifetime" means as long as the original owner of the turbines (or the second owner in certain circumstances) owns the property where the turbines are installed. For owners not meeting above criteria, Lifetime coverage is not applicable.

## Here's what makes Master Flow® Deluxe Turbines the finest in the industry!

### HEAD

- **Heavy-duty steel spider braces...** for strength and durability
- **Bottom ring included...** for easier and faster installation on base and superior weather protection

### DUAL BEARING SYSTEM

- **Encased design...** helps prevent dirt, dust, sand, and other foreign materials from damaging the bearings, resulting in a smoother spin
- **Permanently lubricated track system...** insures years of trouble-free spinning
- **Special design prevents metal-to-metal contact...** results in less friction for a truer, smoother spin and superior wear resistance

### BASE

- **Pre-punched bottom and crimped collar...** fits tighter, makes installation easier
  - **One-piece design...** for easy adjustability up to 12:12 pitch without removing turbine
  - **Extra-large flashing...** for easier installation and superior weather protection
- ASSEMBLY (HEAD & BASE)**
- **Simple, mechanically locked, 2-piece design...** allows for faster, easier installation

## How Many Do I Need?

TOTAL ATTIC SQUARE FOOTAGE	RECOMMENDED NUMBER OF TURBINES†		MINIMUM INTAKE VENTILATION (NET FREE AREA IN SQ. IN.)
	12"	14"	
0-1000	2	2	240
1001-1500	2	2	360
1501-2000	3	2	480
2001-2500	4	3	600
2501-3000	4	3	720
3001-3500	5	4	840

† Based on wind velocity of 8 mph

Mill	Black	Weath. Wood	Size	Construction	Bracing	Ltd. Warranty*
AIC14	AIC14BL	AIC14WW	14"	Aluminum	Internal	Ltd. Lifetime
GC12E	-	GC12EWW	12"	Galvanized	External	Ltd. Lifetime
G1C12	G1C12BL	G1C12WW	12"	Galvanized	Internal	Ltd. Lifetime
AIC12	-	-	12"	Aluminum	Internal	Ltd. Lifetime

## Replacement Turbine Heads, Bases & Weather Caps



- **Replacement Head...** Fits most other brands of turbine bases
- **Simple Adjustment...** Bases adjustable for roof pitches up to 12:12
- **Safer...** Weather caps can be used to replace turbine heads during anticipated severe weather conditions

Part No.	Type	Construction	BRACING
GT12E**	Head	Galvanized (fits 12" turbines; packed 1 per case)	Ext.
SBX12	Base	Galvanized (fits 12" turbines; packed 1 per case)	N/A
WC 12	Weather Cap	Galvanized (fits 12" turbines; packed 15 per case)	N/A

\*\*Miami-Dade County approved when used with a Master Flow® Base.





# Gable Louvers (Intake or Exhaust)



## Gable Louvers

- Designed for flush or recessed installation!
- One-piece integral louvered construction (SL Series only) for exceptional strength, eliminates need for screen
- Available in thermoformed plastic or aluminum



Model No.*	Opening Dimensions	Overall Dimensions	NFA (Sq. In.)
<b>DA12x12</b>	12" x 12"	14 $\frac{1}{2}$ " x 14 $\frac{5}{8}$ "	60
<b>DA12x18</b>	12" x 18"	14 $\frac{1}{2}$ " x 20 $\frac{1}{2}$ "	90
<b>DA14x24</b>	14" x 24"	16 $\frac{1}{2}$ " x 26 $\frac{3}{8}$ "	141
<b>DA18x24</b>	18" x 24"	20 $\frac{1}{2}$ " x 26 $\frac{3}{8}$ "	181
<b>DA24x30</b>	24" x 30"	26 $\frac{1}{2}$ " x 32 $\frac{1}{4}$ "	302

\*Available in white or aluminium construction. Add a "W" to the model numbers above for white.



## Thermoformed Plastic-T-Louvers

Model No.	Opening Dimensions	Overall Dimensions	NFA (Sq. In.)
<b>SL8x8</b>	8" x 8"	10 $\frac{1}{2}$ " x 10 $\frac{1}{2}$ "	17
<b>SL12x12</b>	12" x 12"	14 $\frac{1}{2}$ " x 14 $\frac{1}{2}$ "	43
<b>SL12x18</b>	12" x 18"	14 $\frac{1}{2}$ " x 20 $\frac{1}{2}$ "	65
<b>SL14x24</b>	14" x 24"	16 $\frac{3}{4}$ " x 26 $\frac{3}{4}$ "	105
<b>SL18x24</b>	18" x 24"	20 $\frac{3}{4}$ " x 26 $\frac{3}{4}$ "	141



## Our Best Selling Mini-Vent! RLSC Series Circular Louvers

- Recommended for hard-to-ventilate or other restricted areas
- Just cut appropriate-sized hole and snap in place!
- One-piece white high-impact plastic construction for long life
- Contains UV inhibitors for long-lasting durability



Model No.	Size	NFA (Sq. In.)
<b>RLSC2</b>	2"	1.50
<b>RLSC3</b>	3"	3.20
<b>RLSC4</b>	4"	5.17

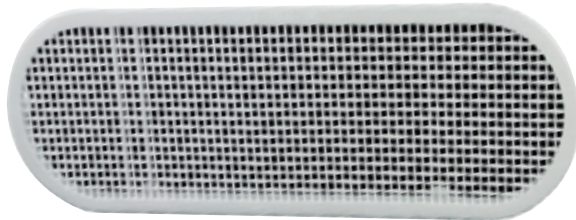
Adequate intake ventilation is critical for a properly ventilated attic! See pages 2-3 to calculate the amount of intake ventilation needed for your attic.



## EAC Series Our Most Popular Soffit Vents

- **Versatile...** All-purpose intake ventilation
- **Easy Installation...** Prepunched nail holes
- **Superior Design...** Surface-mount design makes installation a snap
- **Corrosion Resistant...** Screened aluminum construction

Mill	MODEL NO.		Dimensions	Construction	NFA (Sq. In.)
	White	Brown			
EAC16X4	EAC16X4W	EAC16X4BR	16" x 4"	Screened Aluminum	26
EAC16X8	EAC16X8W	EAC16X8BR	16" x 8"	Screened Aluminum	65



## EAP Series High-Impact Resin Soffit Vents

- All purpose intake ventilation
- High-impact resin construction
- Oval snap-in design for easy installation with 5/16" soffit material
- Contains UV inhibitors for long-lasting durability

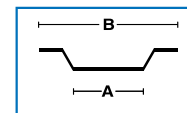
White	MODEL NO.		Dimensions	Construction	NFA (Sq. In.)
	Brown				
EAP412W	EAP412BR		12" x 4"	High-Impact Resin	22



## LSV8 Series Continuous Soffit Vents

- Provides critical intake ventilation
- Perfect for new construction or remodeling
- Eight-foot sections
- Aluminum louvered construction

Mill	MODEL NO.	Overall Length	Opening Width "A"	Opening Width "B"	NFA (Sq. In.)
	White				
LSV8	LSV8W	8ft	2"	2 <sup>3</sup> / <sub>4</sub> "	68



Hat Style (LSV8)

## How Much Intake Ventilation Do I Need?

TOTAL ATTIC SQUARE FOOTAGE	MINIMUM INTAKE VENTILATION (NET FREE AREA IN SQ. IN.)	EAC 16"X4"	EAC 16"X8"	EAP 12"X4"	LSV8/LSV8L
0-1000	240	10	4	11	4
1001-1500	360	14	6	17	5
1501-2000	480	19	8	22	7
2001-2500	600	24	10	28	9
2501-3000	720	28	12	33	11



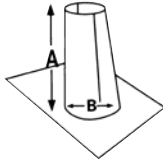
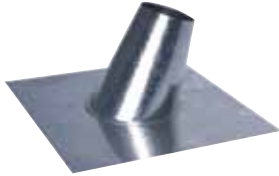
# Roof Caps And Other Accessories



## Zinc Moss & Mildew Preventer

- EPA approved
- Installs easily near the roof ridge
- For composition, shake, or tile roofs
- For long-lasting protection

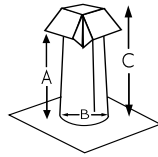
Model No.	Description
<b>NMM50</b>	Tray Pack (6 rolls) – 2.67" X 50 ft. coil



## Roof Flashing With Tapered Stack

- Press-sealed design for maximum leak protection
- 30 Gauge - Specified .013 - .015**

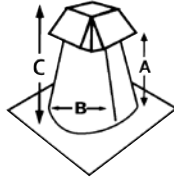
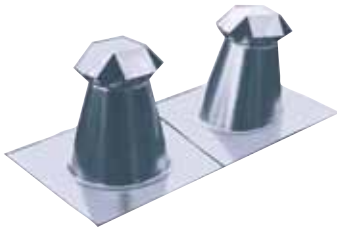
Model No.	Fits Pipe Diameter	Base Size	"A"	Dimensions "B"	"C"
<b>RFTS3</b>	3"	12"X12"	6.125"	5.125"	NA
<b>RFTS4</b>	4"	13"X13"	6.375"	6.125"	NA
<b>RFTS5</b>	5"	15"X15"	6.25"	7.125"	NA
<b>RFTS6</b>	6"	15"X15"	6.75"	8.125"	NA
<b>RFTS7</b>	7"	15"X15"	6.5"	8.125"	NA



## Roof Jacks With Vent Caps

- Use for venting kitchen & bath fans & attic ventilation

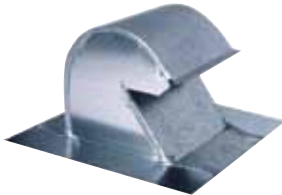
Model No.	Fits Pipe Diameter	Base Size	"A"	Dimensions "B"	"C"
<b>28 Gauge - Specified .015</b>					
<b>RJVC3</b>	3"	12"X12"	8.5"	5.125"	10.25"
<b>RJVC4</b>	4"	13"X13"	8.125"	6.125"	10.25"
<b>RJVC6</b>	6"	15"X15"	8.25"	8.125"	10.75"
<b>RJVC7</b>	7"	15"X15"	6.625"	8.125"	9"
<b>RJVC8</b>	8"	18"X18"	9.75"	10.125"	12.5"
<b>26 Gauge - Specified .019</b>					
<b>26RJVC4</b>	4"	13"X13"	8.125"	6.125"	10.125"
<b>26RJVC5</b>	5"	15"X15"	8.825"	7.125"	10.5"
<b>26RJVC6</b>	6"	15"X15"	8.25"	8.125"	10.75"
<b>26 Gauge - Roof Jacks with Vent Caps - No Pitch</b>					



## All-Purpose Vents

- Large 10" base opening for gang venting
- 26 gauge - specified .019

Model No.	Base Size	"A"	Dimensions "B"	"C"
<b>26APV10</b>	16"X16"	10.375"	9.875"	12.00"
<b>F26APV10</b>	16"X16"	10.375"	9.875"	11.75"



## Goose Neck Vent

- 26 gauge - specified .019
- Available in black or aluminum finish

Model No.	Fits Pipe Diameter	Base Size	"A"	Dimensions "B"	"C"
<b>GNV4</b>	4"	11.625" x 9.12"	NA	4.125" x 6.5"	6.375"
<b>GNV6</b>	6"	11.75" x 11.25"	NA	6.125" x 6.625"	6.25"
<b>GNV10</b>	10"	16" x 16"	NA	10" x 10"	8.75"

NOTE: Available in various colors, call for further details.



## Vent Caps

- To cap pipes for rain, snow, and debris protection
- 30 gauge - specified .013 - .015

Model No.	Fits Pipe Diameter
<b>VC3</b>	3"
<b>VC4</b>	4"
<b>VC5</b>	5"
<b>VC6</b>	6"
<b>VC7</b>	7"
<b>VC8</b>	8"



## Storm Collars

- Adjustable for various pitches
- 28 Gauge - Specified .015**

Model No.	Fits Pipe Diameter
<b>SMC3</b>	3"
<b>SMC4</b>	4"
<b>SMC5</b>	5"
<b>SMC6</b>	6"



## Versa Caps

- Non-clogging, positive draft design
- For chimney, flue, or hot stack installation
- Clamp fitting that's adjustable for all standard sizes
- Aluminum models, U.L. listed

Alum. Model No.	For Pipe with an Outside Dia. of:	For Dbl. Wall Metal Pipe	For Sgl. Wall Metal Pipe	For J-M Trans-Site	Overall Ht.	Overall Dia.
<b>3050</b>	2 <sup>7</sup> / <sub>8</sub> "-5"	3" & 4"	3" & 4"	3" & 4"	4 <sup>1</sup> / <sub>2</sub> "	6 <sup>5</sup> / <sub>8</sub> "
<b>5070</b>	4 <sup>7</sup> / <sub>8</sub> "-7"	5" & 6"	5" & 6"	5" & 6"	4 <sup>3</sup> / <sub>4</sub> "	9 <sup>1</sup> / <sub>2</sub> "
<b>7090</b>	6 <sup>7</sup> / <sub>8</sub> "-8 <sup>7</sup> / <sub>8</sub> "	7" & 8"	7" & 8"	7" & 8"	5 <sup>7</sup> / <sub>8</sub> "	11 <sup>1</sup> / <sub>8</sub> "
<b>9011</b>	8 <sup>7</sup> / <sub>8</sub> "-11"	9" & 10"	9" & 10"	9" & 10"	6 <sup>1</sup> / <sub>2</sub> "	12 <sup>3</sup> / <sub>4</sub> "
<b>1200</b>	11 <sup>7</sup> / <sub>8</sub> "-14 <sup>1</sup> / <sub>2</sub> "	12"	12" & 14"	12"	8 <sup>1</sup> / <sub>8</sub> "	17 <sup>9</sup> / <sub>16</sub> "





# Whole House Fans

Master Flow® Whole House Fans are smart energy savers for any climate where air conditioning costs are a concern. They allow you to beat the heat by forcing hot air out of your home while bringing in cooler outside air. Master Flow® Whole House Fans are an important part of a complete home ventilating system! (Designed for homes over 1,000 square feet.)

Whole house fans could reduce energy bills in most homes!



**Best Investment**  
(Belt Drive)

## Master Flow® Belt Drive Deluxe Whole House Fans 30BWHFS

- **Superior Air Exchange (versus standard models)...** for maximum impact on cooling costs
- **Quieter Operation...** Belt drive isolates motor noise and vibration
- **Efficient, Longest-Lasting Motor...** 1/3 hp permanent split capacitor design for added power and longer life
- **Better Appearance...** Includes super-quiet automatic white ceiling shutters
- **Convenient Operation...** Includes two-speed wall switch (rather than pull chain)
- **Safe...** U.L./U.L. Canada listed



**Good Value**  
(Direct Drive)

## Master Flow® Direct Drive Standard Whole House Fans WHFS24M

- 1/4 hp permanent split capacitor design
- 2-speed pull chain switch controls operation (no wiring through walls required)
- Includes super-quiet automatic white ceiling shutters
- Safe...U.L./U.L. Canada listed

## Master Flow® Tandem Whole House Fan WHFTAN1

- **Easy Installation...** Easily installed on all standard joist centers, no joist cutting needed
- **Simple to Operate...** 2-speed operation with remote control
- **Great Looking...** Virtually invisible in the ceiling
- **Safe...** Tested and approved by independent laboratories



WHT36 Timer



BWS2 Switch

## Accessories/Replacement Parts For Whole House Fans

- S24** 24" white shutter (Fits WHFS24M)
- S30** 30" white shutter (Fits 30BWHFS)
- BWS2\*** Two-speed fan control switch with cover plate (included with all belt drive models)
- WHT36\*** 12-hour timer

Drive Type	Model No	Size	HP	CFM	For Homes Up To:	Ltd. Warranty Term/ Labor Protection Plus Plan*
Belt	30BWHFS	30"	1/3	6000	3000 sq. ft.	10 yrs./5 yrs.
Direct	WHFS24M	24"	1/4	4500	2500 sq. ft.	10 yrs./5 yrs.
Tandem	WHFTAN1	16"x24"	1/15	1600	2500 sq. ft.	5 yrs./2 yrs.

\*See Master Flow® Powered Ventilation Products Ltd. Warranty for complete coverage and restrictions.

\*NOTE: Available ONLY for belt and direct models.



# Safety Caps For Chimneys



Safety Caps for chimneys provide protection against dangerous sparks while reducing downdrafts, clogging, soot, and creosote build-up. They also protect against animal and bird infestation, and deflect other debris and rain from entering the chimney. All Master Flow® Safety Caps feature:

- **Superior Design...** Single piece, heavy-gauge hood for longer life and less chance for leaks
- **Long-Lasting Construction...** No rivets or seams to rust or corrode
- **Great Looks...** Epoxy powder finish provides long-lasting protection (*note: stainless steel safety cap is unpainted*)
- **Quick, Easy Installation...** Using only a screwdriver
- **Appropriate Code Approval...** Meets most fire codes<sup>1</sup>



## STAINLESS STEEL SAFETY CAPS

- 100% stainless steel construction
- Recommended for coastal areas and for coal & oil burning furnaces
- 4-year ltd. warranty<sup>2</sup>

Model No.	Fits Flue Tile Outer Dimensions
<b>CC1313SS</b>	11½" x 11½" – 13½" x 13½"
<b>LKSS</b>	Leg Kit

<sup>1</sup> Always consult local fire codes for requirements.  
<sup>2</sup> See Master Flow® Ventilation Products Ltd. Warranty for complete coverage and restrictions.



## FIXED-SIZE SAFETY CAPS

- Our most popular safety caps fit all standard-size chimneys
- 4-year ltd. warranty<sup>2</sup>

Model No.	Fits Flue Tile Outer Dimensions/Shapes (Rectangular/Leg Kit)
<b>CC99</b>	7½" x 7½" – 9½" x 9½"
<b>CC913</b>	7½" x 11½" – 9½" x 13½"
<b>CC1313</b>	11½" x 11½" – 13½" x 13½"
<b>LKSS</b>	Leg Kit



## ADJUSTABLE SAFETY CAPS

- Unique adjustable "lock-jaw" bracket mounts cap securely in place
- 4-year ltd. warranty<sup>2</sup>

Model No.	Fits Flue Tile Outer Dimensions
<b>SCCA</b>	8" x 8" thru 13" x 13" 8" O.D. Round thru 12" O.D. Round

# Foundation Vents

## POWER

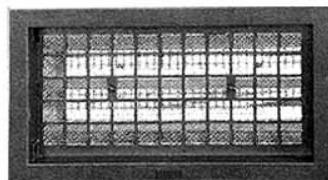
- Removes damaging moisture – helps prevent structural decay and mold growth
- Fits in traditional foundation vent openings, with simple plug and go operation
- Up to 330 CFM/airflow to eliminate moisture during peak times
- Tested and approved by independent laboratories



PFV1

## AUTOMATIC

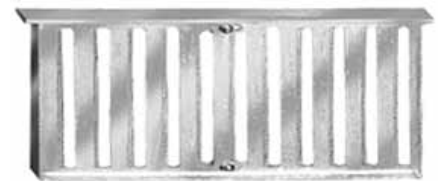
- Automatically opens at 70°F, closes at 40°
- Helps prevent foundation decay
- Lowers risk of frozen pipes
- Replaces manual vent
- Snap-in installation
- Saves energy



FVRABL

## GRATE STYLE

- Positive open/close damper action
- Lintel for foundation block construction
- Lowers risk of frozen pipes
- Saves energy
- Helps prevent foundation decay



500

## BLOCK STYLE

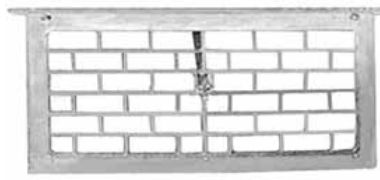
- Aluminum vanes; lintel not required
- For block, brick, or frame construction
- Recommended for high-level ventilation



BVSII

## GRILL STYLE

- Designed for nailing to floor joists or as a foundation block replacement



LW1/LW1L

## COVER

- Easy to mount over any 16" x 8" foundation vent



FVC168

Model No.	Style	Color	Construction	Description	N.F.V.A. (Sq. In.)
<b>PFV1</b>	Power	Black	Hi-density polyethylene	16" x 8" 330CFM 1yr. ltd. warranty*	57
<b>FVRABL</b>	Automatic	Black	Hi-density polyethylene	16" x 8"	57
<b>500</b>	Grate	Mill	Die-cast aluminum	With lintel & slide action – 16" x 8"	28
<b>BVSII</b>	Block	Mill	Galv. steel/alum.	Moveable louvers–15½" x 8" x 2¼" deep	73
<b>LW1</b>	Grill	Mill	Die-cast aluminum	With damper – 16" x 8"	50
<b>LW1L</b>	Grill	Mill	Die-cast aluminum	With 1½" lintel & damper – 16" x 8"	50
<b>FVC168</b>	Cover	Mill	Aluminum	Cover – fits most sizes	–

\*See Master Flow® Powered Ventilation Products Ltd. Warranty for complete coverage and restrictions.





# LIFETIME ROOFING SYSTEM

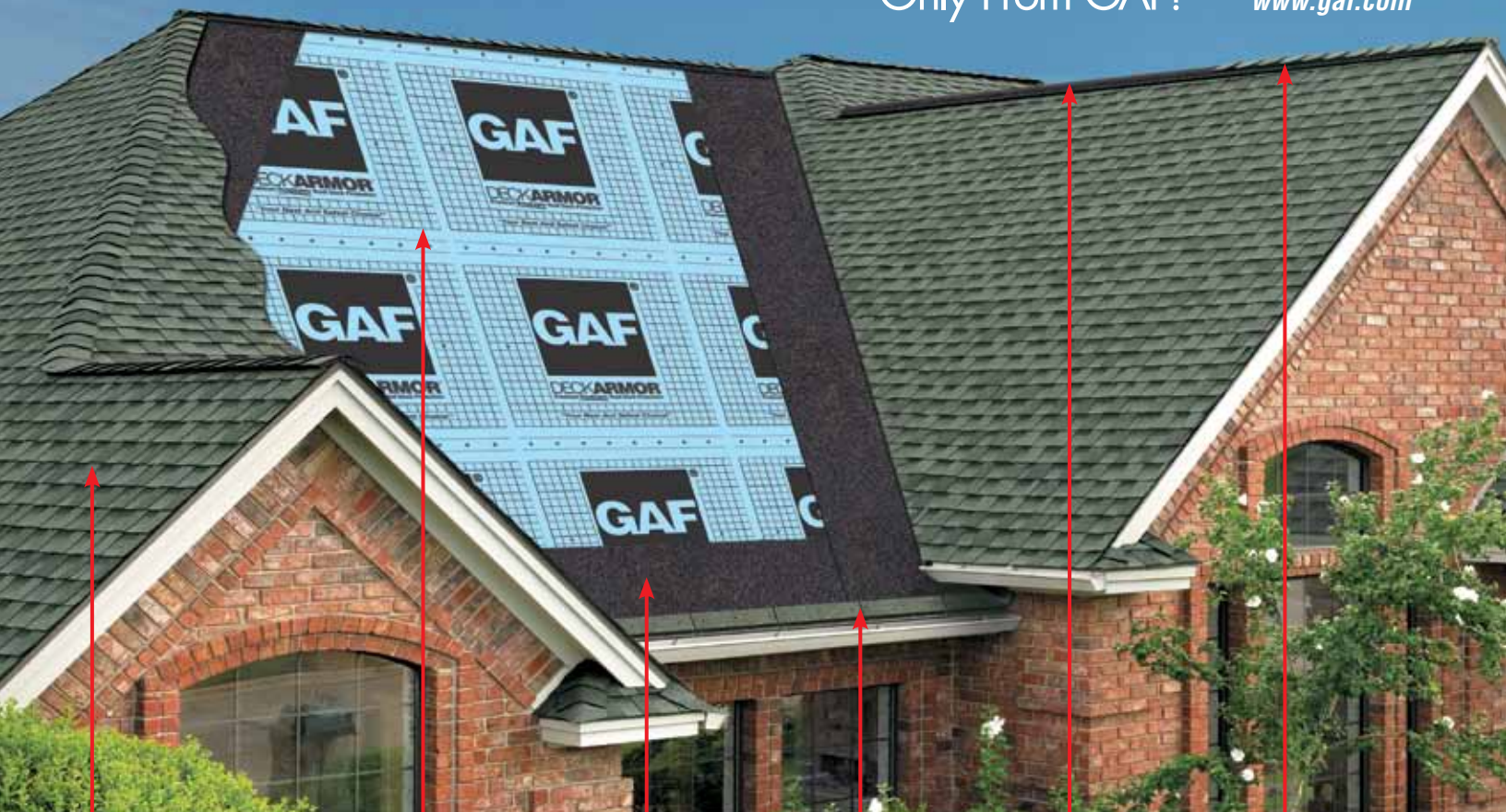


Now, when you install any GAF Lifetime Shingle, you'll automatically get:

- A Lifetime Ltd. warranty on your shingles and all qualifying GAF accessories!†
- Non-prorated coverage for the first 10 years!\*

Only From GAF!

[www.gaf.com](http://www.gaf.com)



GAF

## Lifetime Shingles

GAF offers you many great Lifetime Shingle choices, including **Timberline®** Shingles with Advanced Protection® Technology. They're the #1-selling shingles in North America!

Advanced Protection® Technology results in superior protection for your home, while reducing the use of precious natural resources. That's better for your home—and better for the environment!

To learn more about why Advanced Protection® Shingles are your best choice, visit [www.gaf.com/cps](http://www.gaf.com/cps).



GAF

## Roof Deck Protection

Allows moisture to escape from your attic while providing an exceptionally strong layer of protection against wind-driven rain. Also, lays flatter for a better-looking roof.

GAF

## Leak Barrier

Provides exceptional protection against leaks caused by roof settling and extreme weather. Ideal upgrade at all vulnerable areas (including at the eaves in the North\*).



\*In the North, building code requires the use of Leak Barrier at the eaves.

GAF

## Starter Strip Shingles

Saves time, eliminates waste, and reduces the risk of blow-off...and may even help qualify for upgraded wind warranty coverage (see *GAF Shingle & Accessory Ltd. Warranty* for details).

GAF

## Cobra® Attic Ventilation

Helps remove excess heat and moisture from your attic that can raise your energy bills, cause premature peeling of interior paint and wallpaper, and even affect your health.

GAF

## Ridge Cap Shingles

Enhances the beauty and value of your home—while guarding against leaks at the hips and ridges.



The GAF Lifetime Roofing System has earned the prestigious Good Housekeeping Seal, which means that Good Housekeeping stands behind the products in this system. (Refer to Good Housekeeping Magazine for its consumer protection policy.)



GAF is a U.S.-Based Corporation



Quality You Can Trust...From North America's Largest Roofing Manufacturer!

### SALES OFFICES:

**NORTHEAST**  
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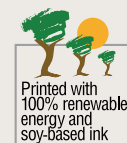
**SOUTHEAST**  
813-829-8880

**SOUTHWEST**  
972-851-0500

**WEST**  
800-445-9330

### WORLD HEADQUARTERS:

973-628-3000



† See *GAF Shingle & Accessory Ltd. Warranty* for complete coverage and restrictions. The word "Lifetime" means as long as the original individual owner of a single family detached residence (or the second owner in certain circumstances) owns the property where the shingles and accessories are installed. For owners/structures not meeting above criteria, Lifetime coverage is not applicable. Lifetime Ltd. warranty on accessories requires the use of at least three qualifying GAF accessories and the use of Lifetime Shingles.

\*On your Lifetime Shingles and qualifying GAF accessories.