



Ventilation Brochure

Updated: 3/10



**Quality You Can Trust Since 1886...
From North America's Largest Roofing Manufacturer!™**



Visit us at www.gaf.com

VENTILATION



*"Quality You Can Trust
Since 1886...From
North America's Largest
Roofing Manufacturer"*



Cobra®



GOING GREEN?
Green Machine™
See pages 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 less call-backs

✓ Backed By GAF-Elk— And Good Housekeeping...

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

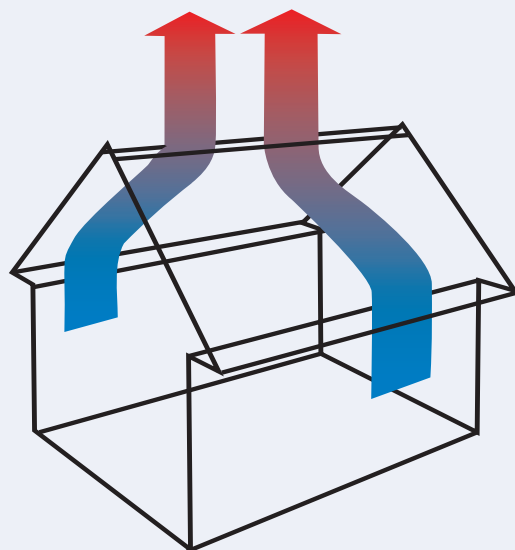


✓ Extra-Wide Nailing Flanges...

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

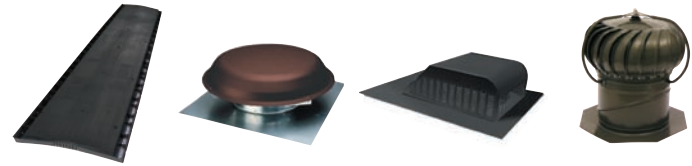
Proper attic ventilation systems allow a continual flow of outside air through the attic (see illustration at left), protecting the efficiency of the insulation and helping to lower temperatures in the living space.

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.

*The GAF-Elk Roof System Solution 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.)

Rating The Choices In Exhaust Ventilation



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

Calculating Your Ventilation Requirements*

Example: Calculating the number of feet of Cobra® Exhaust Vent for a 30'x40' 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 foot)

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...** Backed by a 40-year ltd. warranty**

*Under controlled laboratory conditions.

**See ltd. warranty for complete coverage and restrictions.

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...** Cobra Ridge Runner™ 11.5" works with traditional size ridge cap shingles

Model No.

2019000CU

Size

20' x 11.5" (filtered nail gun version)

Texas Department
of Insurance Product
Evaluation RV-29

Florida Building Code
FL-6267

ICC-ES-ESR 1265



LTD. WARRANTY

40
YEARS

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.)
1600	31	388
1900	37	463
2200	43	538
2500	48	600
2800	54	675
3100	60	750
3400	66	825

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...** Backed by a 40-year ltd. warranty**

*Under controlled laboratory conditions.

**See ltd. warranty for complete coverage and restrictions.

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 3:12 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...** Works with traditional size



Available in
**Hand Nail
& Nail Gun**

LTD. WARRANTY
40
YEARS

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



One 20' Coil of Cobra Ridge Vent replaces:

14.1" NFVA	Nail Gun  7 Conventional Roof Vents	OR	Nail Gun  Four 12" Turbine Roof Vents
16.9" NFVA	Hand Nail  9 Conventional Roof Vents		Hand Nail  Five 12" Turbine Roof Vents

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)



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...** Backed by a 40-year ltd. warranty**



Professional's Best Choice

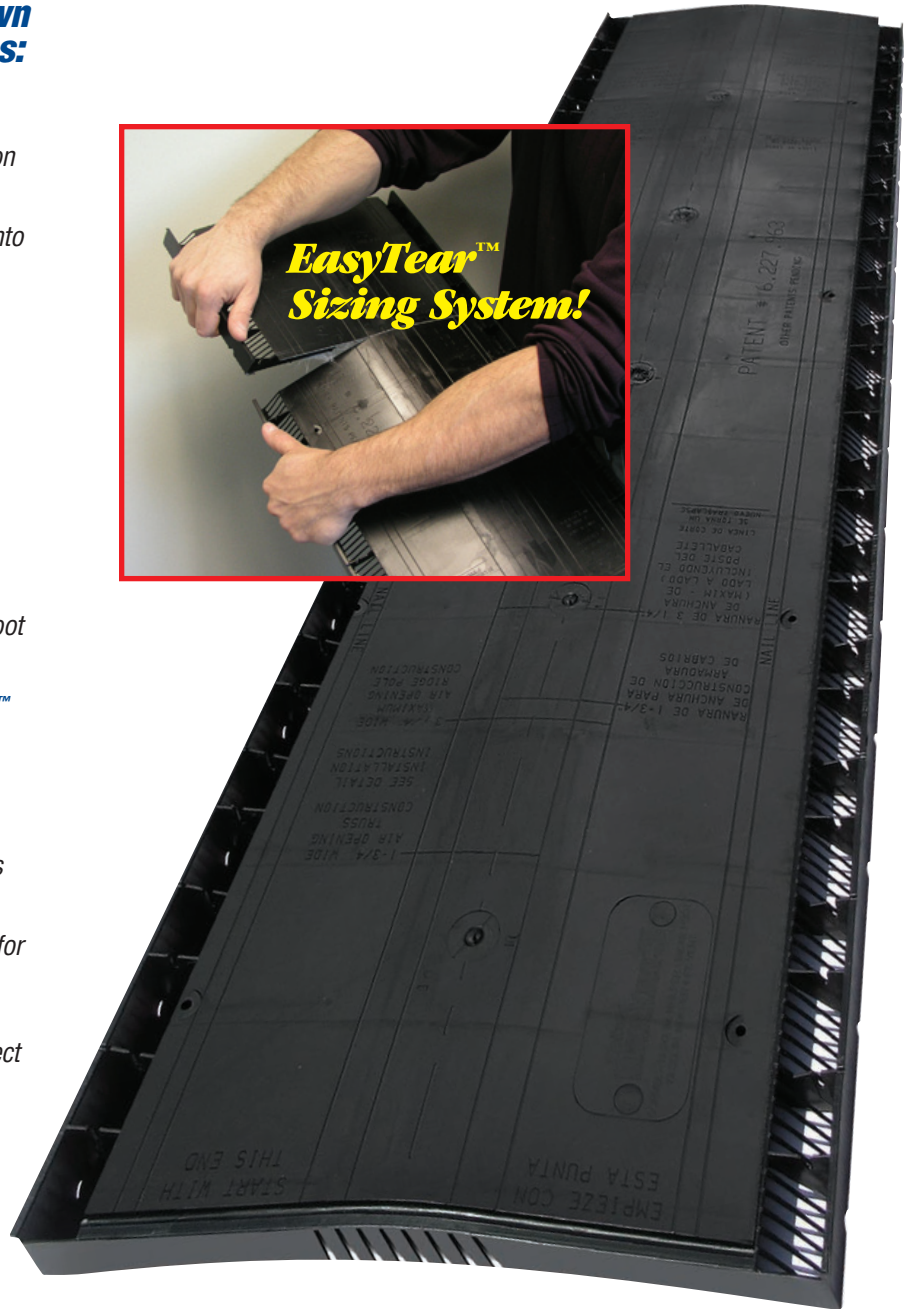
- **Effective...** Provides 18 sq. inches per linear foot of net free ventilating area
- **3" Ring Shank Nails Included (on Cobra® Rigid Vent 3 and Snow Country Advanced™ only)...** Ensures proper fastening on every installation
- **Easy Sizing...** EasyTear™ feature allows you to hand-tear product in 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...** Works with traditional size

* Under controlled laboratory conditions

** See ltd. warranty for complete coverage and restrictions

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

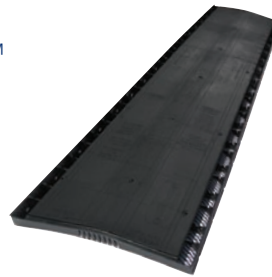


Ten 12" Turbine Roof Vents



Cobra® RIGIDVENT2™

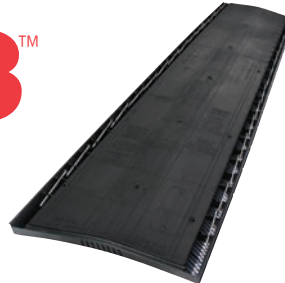
Exhaust Vent for Roof Ridge



- ✓ Quality rigid style vent
- ✓ Available in warmer climates

Cobra® RIGIDVENT3™

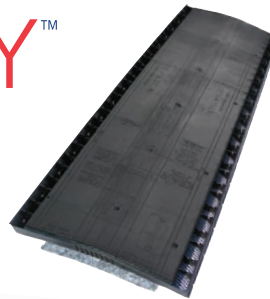
Exhaust Vent for Roof Ridge



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

Cobra® SNOWCOUNTRY™

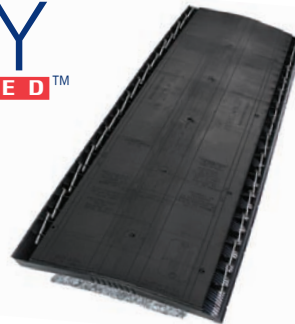
Exhaust Vent for Roof Ridge



- ✓ 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

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		



MIAMI-DADE COUNTY
APPROVED

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.

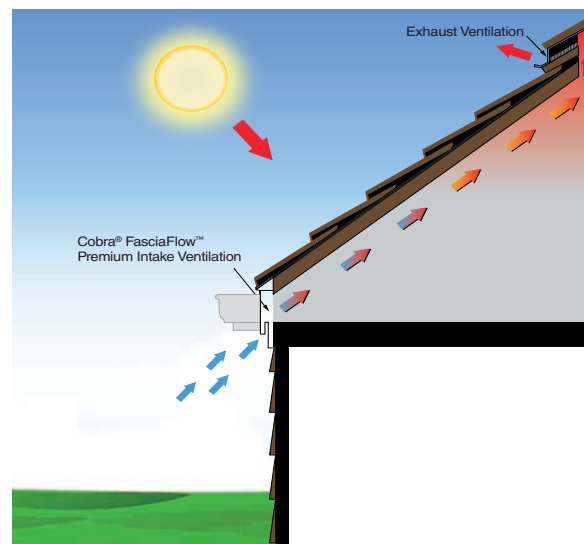
Homeowner's Best Choice

- **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...** Backed by 40 year Ltd. Warranty*

* See Ltd. Warranty for complete coverage and restrictions.

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



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 Fr 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.

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



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



Green Machine™

EcoSmart Vents

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



Florida Building Code
FL 5027



PRSOLAR1
shown

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 110mph wind-driven rain tests*
- **Homeowner Satisfaction...** Environmentally-friendly operation
- **Peace of Mind...** Backed by 5-year ltd. warranty with 2-year labor protection plus**

Professional's Best Choice

- **Maximum Durability...** Equipped with a brushless motor that requires no maintenance, unlike traditional motors
- **Great Performance...** 500 CFM 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 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.

How They Work...

Green Machine™ EcoSmart roof exhaust vents (located near top of roof) work with your existing soffit intake vents to help remove hot, stale attic air.





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 (1/7 hp)	Best (1/5 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?		✓	✓
Shingle Match™ 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 limited warranty for complete coverage & restrictions
* Humidistat thermostat included

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

Feature	Master Flow®	Leading Competitor
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	?

Mill	Black	Brown	Weathered Wood	Shingle Match™ 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	10 Yr. Ltd. Warranty/5 Yr. Labor Prot. Plus Plan
–	–	–	–	PR3DSMWWHT	10 Yr. Ltd. Warranty/5 Yr. Labor Prot. Plus Plan

† See 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)

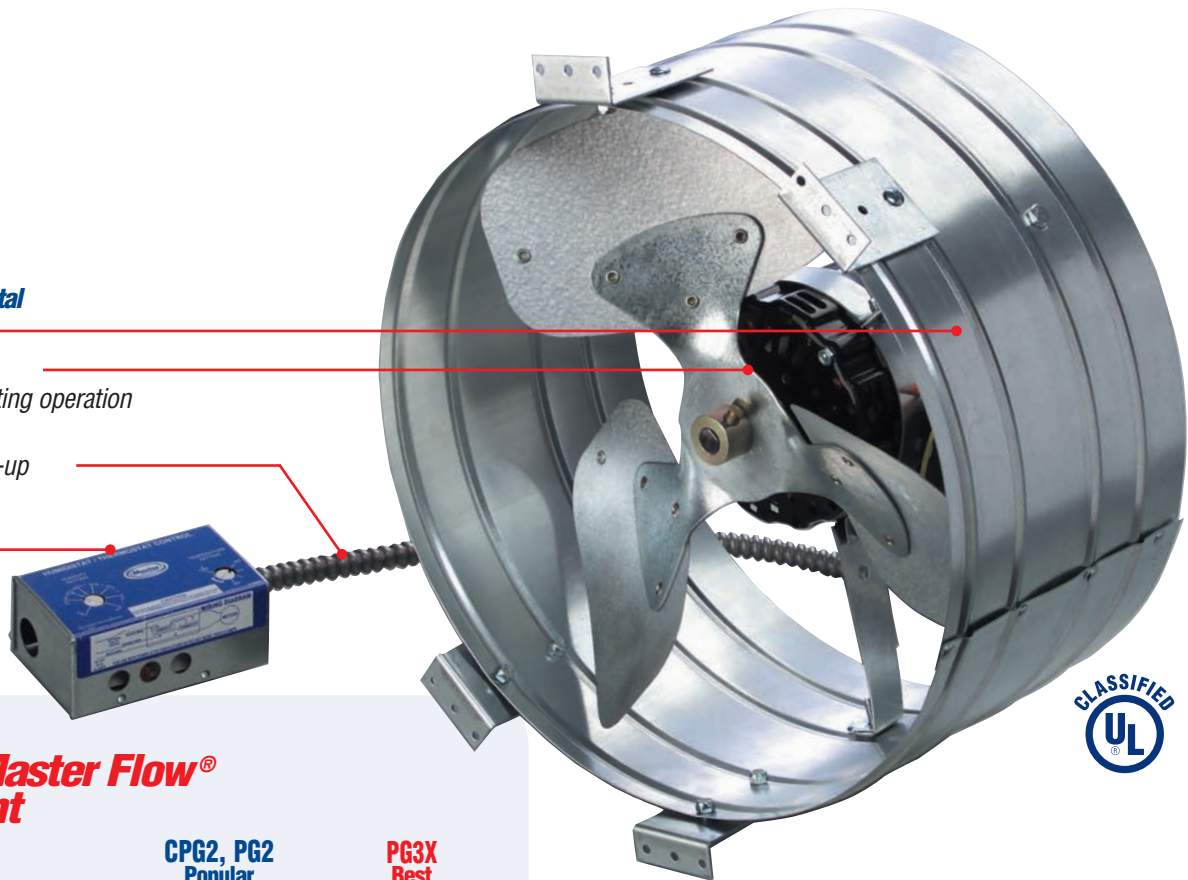
Gable mount attic ventilators are a great choice for exhaust ventilation because they are the easiest power vent to install and won't detract from the appearance of your roof!

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)

CPG2, PG2
Popular
Choice

1540

Better (1/7 hp)



5 Yrs.

3 Yrs.

2400

PG3X
Best
Investment

1600

Best (1/5 hp)



10 Yrs.

5 Yrs.

3200

†See Ltd. warranty for complete coverage and restrictions



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
SGM20	15 1/4" x 15 1/4"	19 1/4" x 19 1/4"

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: GM30, CPG1, PG1, CPG2, PG2, MD105, MD105D, HI22D, PR1, CPR1D, PR1D, CPR2D, PR2D, & PR2DHT
- Model PVM115 – Replacement motor for the following models: PSG3, PSG3HT, PG3X, PG3HT, PSR10D, PSR10DHT, PR3XD, PRX3DHT



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, Shingle Match™ 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 make 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?

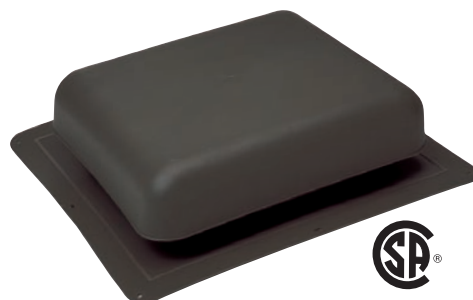
TOTAL ATTIC SQUARE FOOTAGE	RECOMMENDED NUMBER OF IR65 LOUVERS	MINIMUM INTAKE VENTILATION (NET FREE AREA IN SQ. IN.)
0-1000	4	260
1001-1500	6	390
1501-2000	8	520
2001-2500	10	650
2501-3000	12	780



Proudly Made In The U.S.A.

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

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

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	Shingle Match™ 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	11¾" x 10¾"	20¼" x 18"	5⅞"	65
-	IR61BR	IR61BL	IR61WW	-	IR61G	-	High Impact Resin	11¾" x 9¾"	18½" x 17½"	4⅞"	37
-	RT65BR	RT65BL	RT65WW	-	RT65G	-	High Impact Resin	11⅞" x 10"	18½" x 18"	4"	60
R50A	R50ABR	R50ABL	R50AWW	-	-	-	Aluminum	9"	17⅞" x 15⅞"	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!



Internally Braced

Externally 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)

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

SHAFT

- **Case hardened steel...** for long-lasting strength and durability

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
GIC12	GIC12BL	GIC12WW	12"	Galvanized	Internal	Ltd. Lifetime
AIC12	-	-	12"	Aluminum	Internal	Ltd. Lifetime

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...** Limited lifetime warranty backed by GAF-Elk, North America's Largest Roofing and Ventilation Manufacturer
- **Energy Efficient...** May even reduce your energy costs!

Replacement Turbine Heads, Bases & Weather Caps



Original Or Replacement Head



- **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
WC 14	Weather Cap	Galvanized (fits 14" turbines; packed 1 per case)	N/A

*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.)
DA12x12	12" x 12"	14½" x 14⅝"	60
DA12x18	12" x 18"	14½" x 20½"	90
DA14x24	14" x 24"	16½" x 26⅜"	141
DA18x24	18" x 24"	20½" x 26⅜"	181
DA24x30	24" x 30"	26½" x 32¼"	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.)
SL8x8	8" x 8"	10½" x 10½"	17
SL12x12	12" x 12"	14½" x 14½"	43
SL12x18	12" x 18"	14½" x 20½"	65
SL14x24	14" x 24"	16¾" x 26¾"	105
SL18x24	18" x 24"	20¾" x 26¾"	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



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



Soffit/Undereave Vents (Intake)



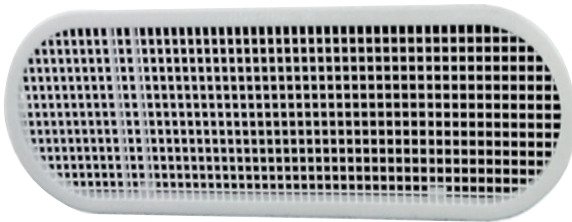
Adequate intake ventilation is critical for a properly ventilated attic! See pages 2-3 to calculate the amount of intake ventilation needed for your attic.



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. White	Brown	Dimensions	Construction	NFA (Sq. In.)
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

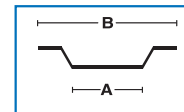
White	MODEL NO. Brown	Dimensions	Construction	NFA (Sq. In.)
EAP412W	EAP412BR	12" x 4"	High Impact Resin	22



LSV8 Series Continuous Soffit Vents

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

MODEL NO.		Overall Length	Opening Width "A"	Opening Width "B"	NFA (Sq. In.)
Mill	White				
LSV8	LSV8W	8ft.	2"	2¾"	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



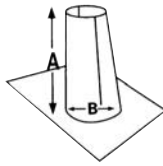
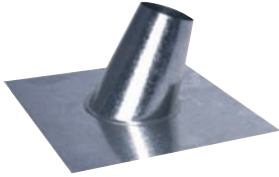
Zinc Moss & Mildew Preventer

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

Model
No.
NMM50

Description

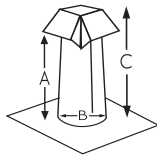
Tray Pack (6 rolls) – 2.67" X 50ft. coil



Roof Flashing With Tapered Stack

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

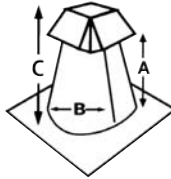
Model No.	Fits Pipe Diameter	Base Size	"A"	Dimensions "B"	"C"
RFTS3	3"	12"X12"	6.125"	5.125"	NA
RFTS4	4"	13"X13"	6.375"	6.125"	NA
RFTS5	5"	15"X15"	6.25"	7.125"	NA
RFTS6	6"	15"X15"	6.75"	8.125"	NA
RFTS7	7"	15"X15"	6.5"	8.125"	NA



Roof Jacks With Vent Caps

- Use for venting kitchen & bath fans, & attic ventilation

Model No.	Fits Pipe Diameter	Base Size	"A"	Dimensions "B"	"C"
28 Gauge - Specified .015					
RJVC3	3"	12"X12"	8.5"	5.125"	10.25"
RJVC4	4"	13"X13"	8.125"	6.125"	10.25"
RJVC6	6"	15"X15"	8.25"	8.125"	10.75"
RJVC7	7"	15"X15"	6.625"	8.125"	9"
RJVC8	8"	18"X18"	9.75"	10.125"	12.5"
26 Gauge - Specified .019					
26RJVC4	4"	13"X13"	8.125"	6.125"	10.125"
26RJVC5	5"	15"X15"	8.825"	7.125"	10.5"
26RJVC6	6"	15"X15"	8.25"	8.125"	10.75"
26 Gauge - Roof Jacks with Vent Caps - No Pitch					
F26RJVC4	4"	13"X13"	7.625"	6.125"	10.125"
F26RJVC5	5"	15"X15"	8.125"	7.125"	9.875"
F26RJVC6	6"	15"X15"	8.25"	8.125"	10.75"



All Purpose Vents

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

Model No.	Base Size	"A"	Dimensions "B"	"C"
26APV10	16"X16"	10.375"	9.875"	12.00"
F26APV10	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"
GNV4	4"	11.625" x 9.12"	NA	4.125" x 6.5"	6.375"
GNV6	6"	11.75" x 11.25"	NA	6.125" x 6.625"	6.25"
GNV10	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
VC3	3"
VC4	4"
VC5	5"
VC6	6"
VC7	7"
VC8	8"



Storm Collars

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

Model No.	Fits Pipe Diameter
SMC3	3"
SMC4	4"
SMC6	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.
3050	2 7/8" - 5"	3" & 4"	3" & 4"	3" & 4"	4 1/2"	6 5/8"
5070	4 7/8" - 7"	5" & 6"	5" & 6"	5" & 6"	4 3/4"	9 1/2"
7090	6 7/8"	7" & 8"	7" & 8"	7" & 8"	5 7/8"	11 5/8"
9011	8 7/8" - 11"	9" & 10"	9" & 10"	9" & 10"	6 1/2"	12 3/4"
1200	11 7/8" - 14 1/2"	12"	12" & 14"	12"	8 11/16"	17 7/16"



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!



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



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
- 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

Drive Type	Model No	Size	HP	CFM	For Homes Up To:	Recommended Exhaust Vent. (Net Free Area in Sq. In.)	Ltd. Warranty Term/ Labor Protection Plus Plan ¹
Belt	30BWHFS	30"	1/3	6000	3000 sq. ft.	1152	10 yrs./5 yrs.
Direct	WHFS24M	24"	1/4	4500	2500 sq. ft.	1008	10 yrs./5 yrs.
Tandem*	WHFTAN1	16"x24"	1/15	1600	2500 sq. ft.	800	5 yrs./2 yrs.

¹See Ltd. warranty for complete coverage and restrictions.
*Requires a minimum of 500 sq.ft. of attic space to operate.

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

*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:

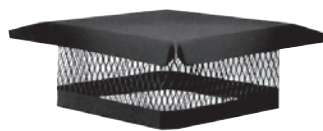
- **Superior Design...** Single piece, heavy gauge hood for longer life and less chance for leaks
- **Long-Lasting Construction...** No rivets or seams to rust or corrode
- **Great Looks...** Epoxy powder finish provides long lasting protection (*note: stainless steel safety cap is unpainted*)
- **Quick,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



STAINLESS STEEL SAFETY CAPS

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

Model No.	Fits Flue Tile	Outer Dimensions
CC1313SS	11½" x 11½"	13½" x 13½"
CC99SS	7½" x 7½"	9½" x 9½"
CC913SS	7½" x 11½"	9½" x 13½"
LKSS	Leg Kit	



FIXED-SIZE SAFETY CAPS

- Our most popular safety caps fit all standard size chimneys
- 4 year ltd. warranty

Model No.	Fits Flue Tile	Outer Dimensions
CC99	7½" x 7½"	9½" x 9½"
CC913	7½" x 11½"	9½" x 13½"
CC1313	11½" x 11½"	13½" x 13½"
CC1318	11½" x 16½"	13½" x 18½"
LKSS	Leg Kit	



ADJUSTABLE SAFETY CAPS

- Unique adjustable "lock-jaw" bracket mounts cap securely in place
- 4 year ltd. warranty

Model No.	Fits Flue Tile	Outer Dimensions
SCCA	8" x 8"	13" x 13"
LCCA	8" O.D. Round - 12" O.D. Round	9" x 18" 12" x 12" 13" x 18"

Foundation Vents

POWER

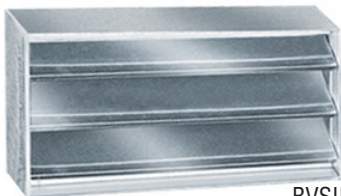
- Removes damaging moisture – helps prevent structural decay and mold growth
- Fits in traditional foundation vent openings, with simple plug and go operation
- Up to 330 CFM/airflow to eliminate moisture during peak times
- Tested and approved by independent laboratories



PFV1

BLOCK STYLE

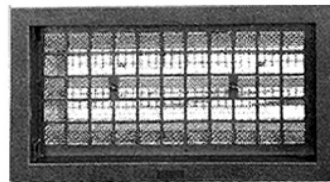
- Aluminum vanes; lintel not required
- For block, brick or frame construction
- Recommended for high level ventilation



BVSII

AUTOMATIC

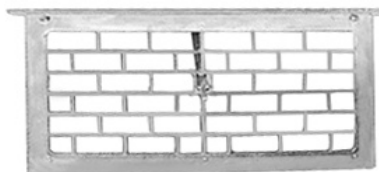
- Automatically opens at 70°F, closes at 40°
- Helps prevent foundation decay
- Lowers risk of frozen pipes
- Replaces manual vent
- Snap-in installation
- Saves energy



FVRABL

GRILL STYLE

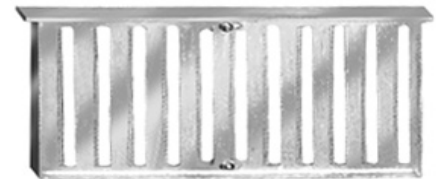
- Designed for nailing to floor joists or as a foundation block replacement



LW1/LW1L

GRATE STYLE

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



500

COVER

- Easy to mount over any 16"x8" foundation vent



FVC168

Model No.	Style	Color	Construction	Description	N.F.V.A. (Sq. In.)
PFV1	Power	Black	Hi-Density Polyethylene	16" x 8" 330CFM 1yr. ltd. warranty	57
FVRABL	Automatic	Black	Hi-Density Polyethylene	16" x 8"	57
500	Grate	Mill	Die-cast aluminum	With lintel & slide action – 16" x 8"	28
BVSII	Block	Mill	Galv. Steel/Alum.	Moveable louvers – 15½" x 8" x 2½" deep	73
LW1	Grill	Mill	Die-cast aluminum	With Damper – 16" x 8"	50
LW1L	Grill	Mill	Die-cast aluminum.	With 1½" lintel & damper – 16" x 8"	50
FVC168	Cover	Mill	Aluminum	Cover- Fits most sizes	–



Smart Choice® Roof System Solution

Quality You Can Trust Since 1886...From North America's Largest Roofing Manufacturer!™

Leak Barrier

Weather Watch® and **StormGuard®** provide exceptional protection against leaks caused by roof settling and extreme weather. Ideal upgrade at all vulnerable areas (including at the eaves in the North*).

Roof Deck Protection

"Breathable" **Deck-Armor™** allows moisture to escape from your attic while providing an exceptionally strong layer of protection against wind-driven rain. It also lays flatter for a better-looking roof. **Shingle-Mate®** also provides great protection for your roof.

Quality Shingles

Choosing the right shingle can increase the value of your home. GAF-Elk offers you many great shingle choices, including **Timberline®**, the #1-selling architectural shingles in North America.

Effective Attic Ventilation

Cobra® and **Master Flow®** vents help 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.

Distinctive Ridge Cap Shingles

Similar to the way that a distinctive frame enhances a painting, **Timbertex®** and **Ridglass®** can enhance the beauty and value of your home—while guarding against leaks at the hips and ridges.



Reliable Low-Slope Membranes

Liberty™ and **Freedom™** commercial-grade self-adhering roofing systems are exceptionally dependable! They're safer too, because no open torches or hot asphalt are used.

Pre-Cut Starter Strip Shingles

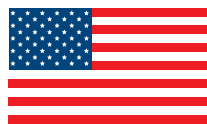
WeatherBlocker™ or **Pro-Start™** are a great upgrade option for rakes and eaves. They save time, eliminate waste, and reduce the risk of blow-off...and may even help qualify for upgraded wind warranty coverage (see ltd. warranties for details).

Roof Accessory Paint

ShingleMatch™ premium roof accessory paint is a great option to help you "hide" unsightly roof accessories by making them blend in with the color of your shingles... for a better-looking finished roof.



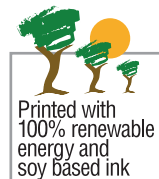
*In the "North," building code requires the use of Leak Barrier at the eaves.



GAF-Elk is a
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The GAF-Elk Smart Choice® Roof System Solution 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.)



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1-877-GAF-COOL

MASTER FLOW®:
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1-800-755-9392

MASTER FLOW®:
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1-800-211-9612

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