SOLAR BLASTER



SOLAR BLASTER'S LOW-VOLUME APPROACH FOLLOWS BUILDING SCIENCE PRINCIPLES WHILE PROVIDING THE RELIABILITY AND PERFORMANCE YOUR PROJECT DESERVES.

BEFORE YOU INSTALL

START HERE!

PLEASE PLACE THE SOLAR-POWERED VENT/FAN UNIT IN THE SUN AND CONFIRM IT WORKS **BEFORE** YOU INSTALL IT.

WE TEST EACH SOLAR PANEL & FAN BEFORE PACKING IT SECURELY FOR TRANSPORT TO YOUR DOOR. LET'S MAKE SURE NOTHING HAPPENED DURING TRANSPORT.

PLEASE REACH OUT

Before you return!

PLEASE CONTACT OUR SUPPORT TEAM
EMAIL: sales@solarblasterfans.com
ONLINE: solarblasterfans.com/contact/
PHONE: 480-747-7097

VENTILATION INFO

*A Solar Blaster vent **is** the code-required exhaust vent, with a solar boost built in — no separate add-on solar fan needed. Low intake, high exhaust brings clothesline fresh air through your attic.*

INTERESTING TIDBITS ABOUT ATTIC VENTILATION

An attic is like an oven

On a sunny 90-degree day, roof deck temperatures can reach 170°F (Air Vent, Principles of Attic Ventilation). Without proper ventilation, attic temperatures quickly approach these same extreme levels, creating a massive oven above your living space.

Worse enemies of an attic

Heat and moisture are the biggest threats to an attic. Excess heat bakes shingle oils out, shortening roof life. Trapped moisture raises mold risk and can lead to wood rot.

Hot air rises

Just like a hot air balloon. That's why attics need low intake at the eaves and high exhaust at the ridge, the same as your home's design. Natural convection pulls clothesline fresh air through the whole attic.



Air tight homes

Today's energy-efficient, tightly sealed homes trap moisture from cooking, bathing, and daily activities. Most of that moisture reaches the attic through air leaks, not by seeping through drywall. Building Science Corporation estimates that a 1-square-inch opening can let about 30 quarts of water into the attic over a heating season (70°F, 40% RH).



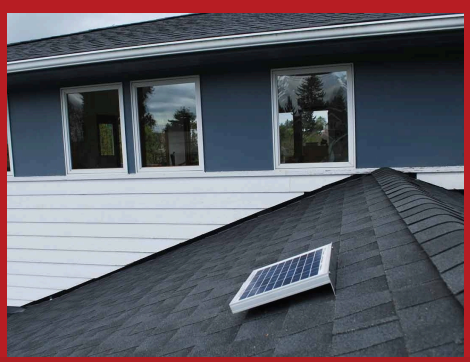
Gable vents need wind

Gable vents are wind-driven, not convective: wind blows in one side and out the other. Add-on solar fans can rob the code-required convective system and even turn exhaust vents into intakes, like pulling chimney smoke into the attic.

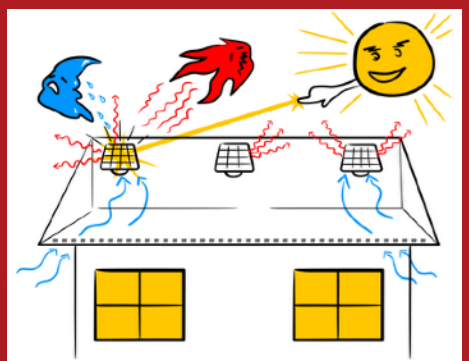


Cool air in, hot air out

Proper ventilation requires balanced airflow — ideally 50/50 or even 60/40 (intake/exhaust) to maintain slight positive pressure. This helps keep the system from drawing conditioned air from your living space and encourages uniform air movement across the entire attic length.







PROPER ATTIC VENTILATION

Proper attic ventilation isn't optional - it's required by building codes since 1948 and mandated by shingle manufacturers' warranties. Poor ventilation can void your roof warranty and trap heat and moisture that raise mold risk.

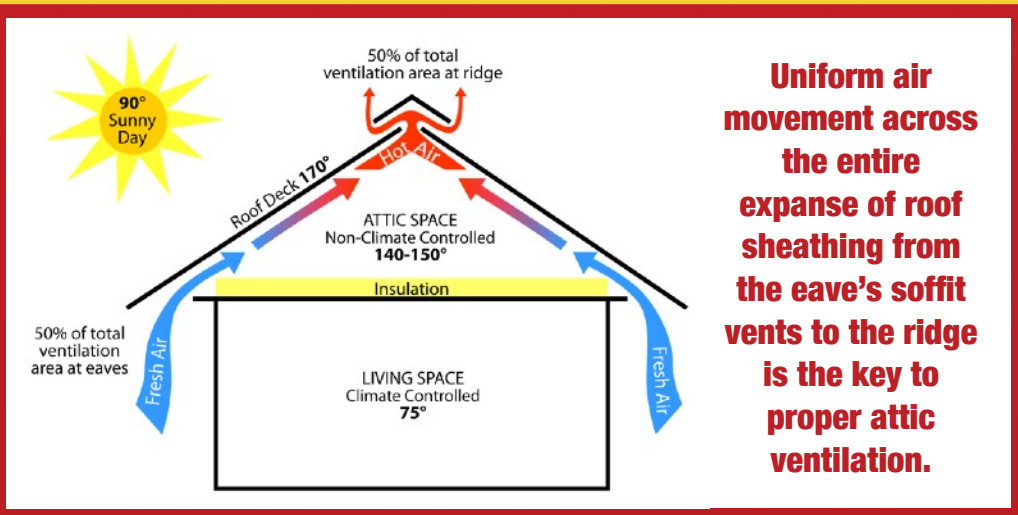
Ventilation is not an option; it is a necessity especially with today's air-tight homes.

A good roof design will include a balanced passive attic ventilation system. What that means is for every inch of air exhausted, there is a balanced amount of air coming in through the eave's intake vents. It also means that there is uniform eave-to-ridge air movement across the entire length of the attic. Air movement is crucial to keeping an attic cooler and drier.

We love the irony that we are utilizing the source of the heat problem, the sun, to also be the solution for removing the hot, moist air in attics.

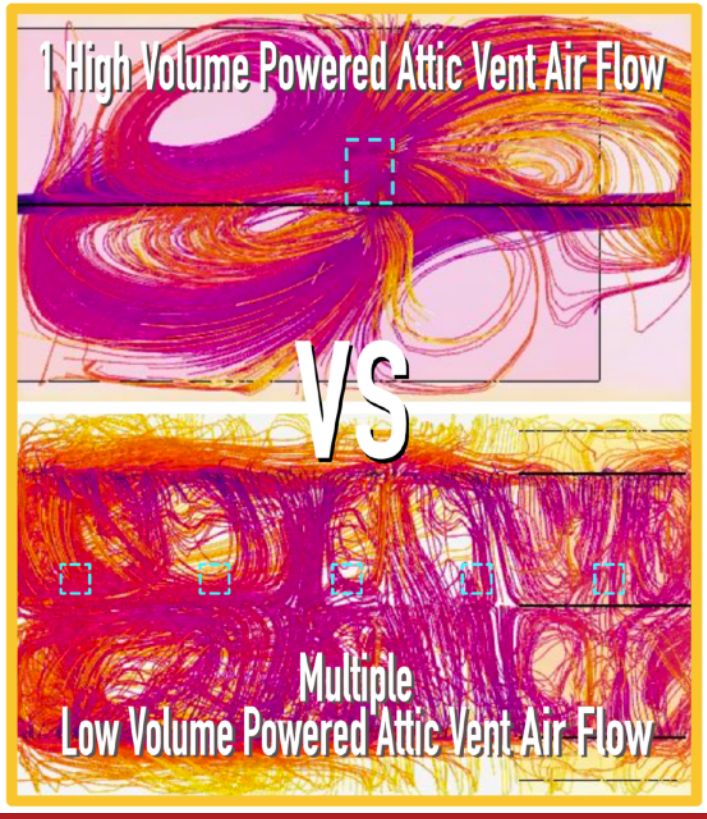
Bigger is NOT Better

PNNL's Building America Solution Center advises targeting about 50 CFM per 1,000 sq ft of attic floor when a powered fan is used, to limit negative pressure (basc.pnnl.gov). Large fans can create negative pressure that pulls conditioned air from your home, actually increasing energy costs while creating 'hot pockets' in your attic. Check out the airflow comparison below.



Uniform air movement across the entire expanse of roof sheathing from the eave's soffit vents to the ridge is the key to proper attic ventilation.

Multiple fans spaced evenly across the entire attic length will be much more effective in boosting your passive vent system. Also smaller fans require less power to start operating so the fans will work even on slightly cloudy days. ***It's time to activate passive vents so the sun can start removing its own hot air!***



Single large fans create chaotic, turbulent airflow as seen in this computer fluid dynamic (cfd) models. Can create "hot pockets" where moisture accumulates and dead zones that can lead to ice dams in the winter.

BIGGER IS NOT BETTER!

BENEFITS OF SOLAR BLASTER

Solar Blaster's low-volume approach follows federal building science recommendations. Unlike add-on solar fans, our vents **are** your roof's code-required exhaust vents with a solar boost built in. Multiple smaller fans keep air moving evenly, summer and winter, which helps reduce moisture and mold risk.

✓ Helps you meet the ventilation some shingle warranties require.
✓ Helps reduce heat damage to shingles, which can shorten roof life.
✓ Helps reduce attic heat buildup that can raise cooling load.
✓ Helps keep insulation drier so it can do its job.
✓ Keeps air moving summer & winter.
✓ Works WITH natural convection, not against it. The model at right compares one large fan with multiple smaller fans.
✓ Helps reduce the risk of ice dams by keeping the roof deck colder.
✓ Creates balanced airflow that maintains proper pressure.

The Smart Choice:
Use the sun's energy to solve the sun's heat problem. Solar Blaster's low-volume approach follows building science principles while providing the reliability and performance your family deserves. Fans assembled in America.

SOLAR VENTILATION FOR RIDGE VENTS on Homes, Sheds, Garages

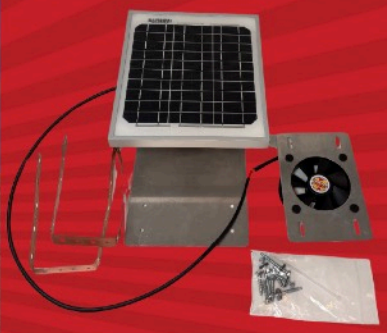




10W/25 YR-RATED SOLAR PANEL
50K HR-RATED/35.2 CFM/80MM FANS

3 × 35.2 CFM FANS, 105.6 CFM TOTAL (RATED AIRFLOW)





4.5W/25 YR-RATED SOLAR PANEL •
50K HR-RATED/35.2 CFM/80MM FAN

ACCESSORIES AVAILABLE FOR RIDGEBLASTER:

- 16’ Extension switch cable — $14.99
- 64” Extension cable — $14.99

QUESTIONS?
480-747-7097

SWAP OLD TURTLE-STYLE VENTS INTO THE SAME OPENINGS – NO NEW HOLES

Great on re-roofs. Built by a Roofer (45 years roofing) for Roofers.

SOLAR VENTILATION FOR SHINGLED-ROOF STRUCTURES: Homes, Sheds, Garages



5W/25 YR-RATED SOLAR PANEL • 50K HR-RATED/96 CFM/120MM FAN



ADJUSTABLE SOLAR PANEL INSTRUCTIONS

Please make sure you tighten both of the adjustable arm nuts using a 11/32 wrench once you position it where it will get the most sunlight.

Do NOT overtighten.

SOLAR VENTILATION FOR SHINGLED-ROOF STRUCTURES: Homes, Sheds, Garages



SOLAR VENTILATION FOR SHINGLED-ROOF STRUCTURES: Homes, Sheds, Garages



VENTILATION FOR SHINGLED-ROOF STRUCTURES: Homes, Sheds, Garages



SOLAR TUBULAR SKYLIGHT FOR HOMES & GARAGES WITH SHINGLED-ROOFS



10 INCH



14 INCH





LIGHT BLASTER

7, 10 & 14 inch kits. Sloped (3/12 to 6/12) for 40–42" attic heights; low-slope/flat (to 2/12) also available.

SOLAR TUBULAR SKYLIGHT FOR SHEDS & GARAGES

SHINGLED SHEDS



METAL ROOF SHEDS



FLAT ROOFS



LIGHT BLASTER

SOLAR TUBULAR SKYLIGHT FOR CONEX SHIPPING/STORAGE CONTAINERS

6.5"



3.5"



INSTALLED RESULTS



CONEX LIGHT BLASTER

SOLAR VENTILATION FOR CONEX STORAGE CONTAINERS WITH 3.5” & 6.5” RIBS



SOLAR VENTILATION FOR CONEX SHIPPING CONTAINERS WITH 3.5” & 6.5” RIBS



SOLAR VENTILATION FOR THE SIDES OF A CONEX SHIPPING CONTAINERS



DON’T FORGET OUR 2.5” INTAKE VENTS

Every vent gets four 2.5” intakes, which come close to matching the exhaust.
40-ft container = 2 Megas + 8 intakes.
FREE intake 4-pack with 2 Conex products!



BE SURE TO CHECK OUT THIS GUIDE ON WHERE TO PLACE YOUR INTAKE VENTS

Low intake, high exhaust — same as your home.
Tip: duct tape over the stock container vents.
Guide on our website & in each Conex box.



MANUFACTURER LIMITED WARRANTY

NON-PRORATED 5-YEAR LIMITED WARRANTY

Provided that the products covered by this warranty have been installed in strict accordance with the Solar Blaster® written installation instructions and in accordance with all local codes and standards, including those pertaining to fire-rated construction, Solar Blaster® LLC warrants to the original purchaser of the property that the parts described below are free from manufacturing defects for 5 years from the date of purchase. This warranty is for the original purchaser only and is not transferable.

PARTS COVERED

Solar RoofBlaster (Part SBRVO-xxx-xxx and SBRFB-xxx-xxx)
Solar Mega RoofBlaster (Part SBRFB-MG-xxx-xxx)
Solar Mega RoofBlaster Adjustable (Part SBRFB-MG-xxx-ADJ-xxx)
Solar RidgeBlaster (Part SBRIDGE-030)
Solar Metal RidgeBlaster (Part SBMRIDGE-033)
Solar TileBlaster (Part SBTILE-050)
Solar S-TileBlaster (Part SBSTILE-035)
Solar LightBlaster (Part SBLT-xxxx-xxx)
Solar LightBlaster for Conex (Part SBLT-CNX-xxx and SBLT-CNX6-xxx)
Solar RoofBlaster for Conex (Part SBRFB-CNX-xxx and SBRFB-CNX6-xxx)
Solar Mega RoofBlaster for Conex (Part SBRFB-MG-CNX-xxx and SBRFB-MG-CNX6-xxx)
Solar Mega RoofBlaster for Conex Adjustable (Part SBRFB-MG-CNX-ADJ-xxx and SBRFB-MG-CNX6-ADJ-xxx)
Solar Mega SideBlaster for Conex Adjustable (Part SBSDB-MG-CNX-ADJ-xxx)
Solar VentBlaster (Part SBVENT-xxx-xxx)

FREE ONLINE CALCULATORS

Home attic | Shed | Container

Scan to size your vents and intakes • solarblasterfans.com/pages/home-attic-vent-calculator • /shed-air-exchange • /container-air-exchange

ALL LIGHTBLASTERS — SAME 5-YEAR LIMITED WARRANTY

All Solar LightBlasters (solar tubes / skylights) are covered by the same non-prorated 5-year limited warranty above, including house and warehouse models.

PARTS COVERED

Solar LightBlaster for Houses (Part SBLT-7IN-xxx, SBLT-10IN-xxx, SBLT-14IN-xxx, including FLAT)
Solar LightBlaster for Warehouses (Part SBLT-21IN-xxx, SBLT-28IN-xxx)
This warranty is for the original purchaser only and is not transferable.

LIMITATIONS

Solar Blaster® shall not be liable for, and this warranty does not apply to, any failure, defect or damage resulting from or connected with: misuse, abuse, scratching, corrosive atmosphere contaminants, lightning, earthquakes, windstorms, tornadoes, flooding, fire, modification, vandalism, negligence, or any other natural disaster, other causes beyond the control of Solar Blaster® or the installing dealer/distributor. This warranty also does not cover changes in the powder coated finish, which may occur with the passage of time. Solar Blaster® shall not be liable for labor costs incurred in removing the part or re-installing the replacement part. Solar Blaster® reserves the right to discontinue or modify any of its products, including color, and shall not be liable as a result of such discontinuance or modification. If Solar Blaster® replaces any part under this warranty, it may substitute parts designated by Solar Blaster® to be of comparable quality or price range in the event the product initially installed has been discontinued or modified.

WARRANTY CLAIMS

All warranty claims shall be submitted in writing via the Solar Blaster website (https://www.solarblasterfans.com/pages/registration-warranty-claim) or through email. All claims must include all of the following information:
1. A copy of the original purchase invoice,
2. Purchaser's name, address, phone number, and email,
3. Description of the claimed defect.

If it is determined that parts need to be returned to Solar Blaster LLC, they must be shipped to Solar Blaster's RMA department, freight prepaid, for evaluation. Please call 480-747-7097 for return mailing address and RMA #.
Solar Blaster LLC will replace defective parts at no charge for the remainder of the warranty period. This warranty is not prorated. It is for the original purchaser only and is not transferable.

Fans assembled in America.

QUESTIONS? EMAIL OR CALL US!

sales@solarblasterfans.com

SOLARBLASTERFANS.COM • 480.747.7097