

**PRODUCT CATALOG**

# **VULCAN VENT<sup>®</sup>** FIRE & EMBER SAFE VENTS

STOPS FIRES  
COLD

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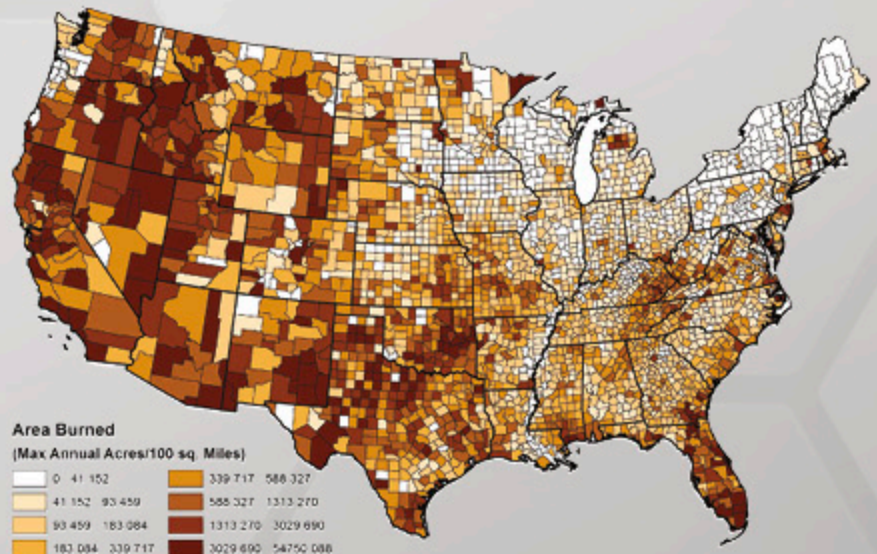


# In the Line of WildFIRE

As civilization develops farther into natural lands, the risk of exposure to wildfire increases. These areas are called the **Wildland-Urban Interface (WUI)** and are defined as areas where homes are built near or among lands prone to wildland fire.

## FIRES ARE ON THE RISE!

More than **10 million acres of the U.S.** were burned during the 2017 wildfire season with a cost of \$2 billion, making it the most costly season ever, according to a study by the *Proceedings of the National Academy of Sciences*.



Map information courtesy of the U.S. Bureau of Land Management (BLM), National Fire Incident Reporting System (NFIRS), National Association of State Foresters (NASF), and the National Fire Incident Reporting System (NFIRS).



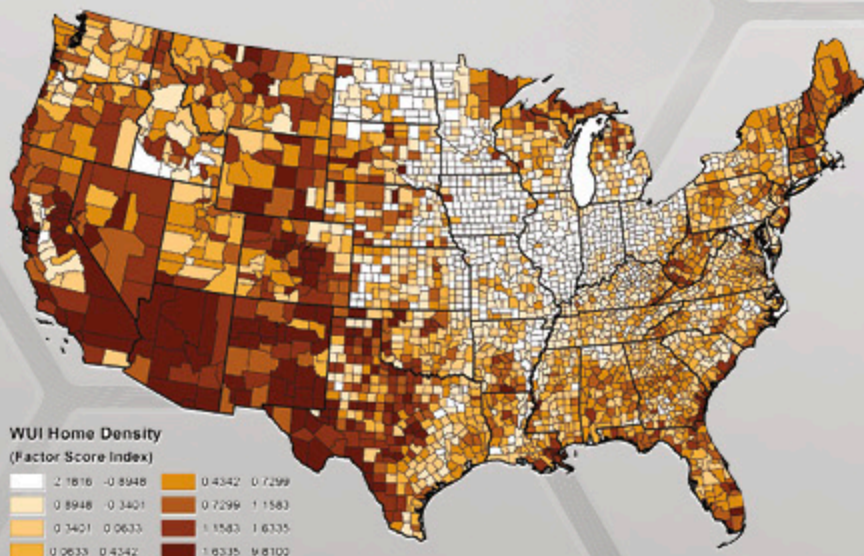


## HOMES AT RISK!

According to the USDA & USGS, 9.5 percent, or 190 million acres, of the continental United States fell into the WUI in 2010, and that the number of houses within the WUI increased from 31 million to more than 43 million between 1990 and 2010. Today, that number is closer to **50 million homes**. Home **fire defense in wildland areas is critical**.

## EMBER ATTACK

There are many factors that contribute to the spreading of wildland fires into our communities; **wind blown embers** are amongst the deadliest! Embers can travel long distances and either land on, or get sucked into your home's ventilation, causing it to burn from the inside out. **Protecting your home** from these embers can literally, save your home and the spread of fire to surrounding homes.





# **FIRE** PROTECT YOUR **HOME**

**WILDFIRES** can **ATTACK** your **HOME** from the inside out! **VULCAN VENTS** are **YOUR FIRST LINE OF DEFENSE** from Wildfires & Embers!

Vulcan Vents are fire and ember safe vents designed to self-close. An ember catching screen blocks embers during ember attacks before the fire arrives. When a wildfire nears and the vent reaches the critical temperature, the intumescent coating on the matrix structure expands, creating a real 'firewall'.  
**The Vulcan Vent is approved by the California State Fire Marshal!**



## **VULCAN VENTS PROTECTS YOUR HOME:**

- Blocks Flames & Embers from Entering Your Home
- Quick Response Time to Protect
- Superior Daily Airflow



It all starts from **EMBERS**. It's estimated that **90%** of the homes destroyed during wildfires are due to **wind-blown embers**. Wind-blown embers can travel miles ahead of wildfire. Embers can shower into attic vents and eave spaces of neighboring houses.

Vulcan Vents will keep dangerous embers from entering the ventilation areas of your home even when the fire is still far away.

**"The major source of ignition is the wind-blown ember."**

--Steve Quarles, Insurance Inst. for Business and Home Safety

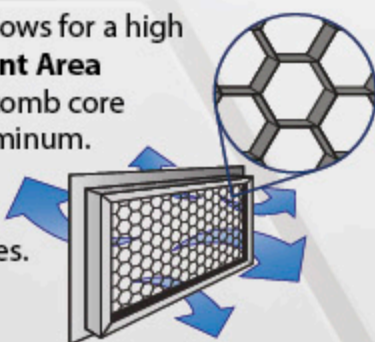


## HOW IT WORKS!

**Vulcan Vents** are **self closing** when exposed to flames, **preventing fire**, as well as **ember intrusion**. The secret is in Vulcan Vent's **patented design**! Beyond the standard frame design is their unique expanded hexagon core, coated with an intumescent coating from **Firefree Coatings Inc.**

### SUPERIOR AIR FLOW!

The 1/4" hex core allows for a high ratio of **Net Free Vent Area (NFVA)**. The honeycomb core is made of 2 mil aluminum. Its lightweight, strong and works with many vent styles.



Traditional Vent

Vulcan Vent®



### STOPS FIRES COLD!

**Vulcan Vents** are **different**. We use a smaller mesh size and have an **ACTIVE** measure against flames. Once exposed to heat, the specialized coating will expand rapidly, **self closing** the vent completely and begin **actively protecting** your home from the dangers of **flames** and **EMBER INTRUSION**.



These photos reveal **the difference** between a standard vent and a Vulcan Vent®.

With Vulcant Vent®, your **house can breathe** but **embers and fires don't stand a chance!**

### AVAILABLE FOR MULTIPLE APPLICATIONS

Vulcan vents can be **installed** in numerous construction materials: **Wood (FF)**, **Stucco (S)**, **Mil Core (SMC)**, **Foam Back (FB)**, and **Fiber Cement (FC)**.

### VENT TYPES AVAILABLE

- Continuous
- Dormer
- Eave
- Foundation
- Gable
- Retrofit
- Soffit

### PROTECTION YOU CAN TRUST!

- ✓ California Buiding Code (Cbc) Chapter 7A Compliant
- ✓ Wildland Urban Interface (Wui) Compliant
- ✓ Western Fire Center Inc. (WFCi) 1-Hour Fire Rated Assembly
- ✓ Meets ASTM E2886/E2886M Standards
- ✓ California State Fire Marshal (Csfm) Building Material Listed (BML)

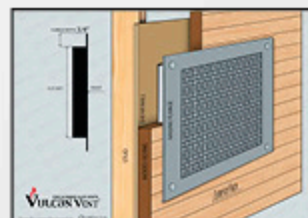


## SUFFIX DETAILS

Vulcan Vent model numbers (with some exceptions) all end with one or two letters which specify the flange type and thus the material the vent is meant to be installed in.

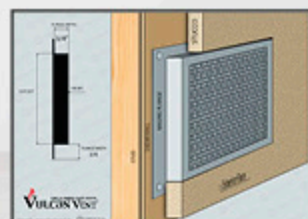
### WHAT DO THE "FF" SUFFIXES MEAN?

"FF" designates 'Flange Face' a frame designed where the flange is on the Face. This model is used for wood structures in most cases. These vents can be cut in after the siding is installed.



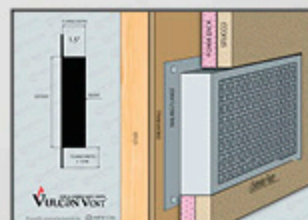
### WHAT DO THE "S" SUFFIXES MEAN?

"S" designates stands for stucco siding. With a flange that is about 3/4" recessed back so that when the vent is installed, the stucco application will be flush with the front of the vent.



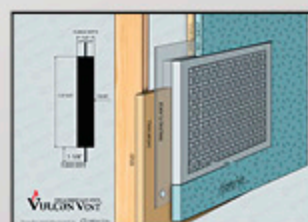
### WHAT DO THE "FB" SUFFIXES MEAN?

"FB" designates 'Foam Back', AKA frame designed for Stucco with foam. It has a flange recessed 1-1/2" back so that when the vent is installed, the stucco-foam application will be flush with the front of the vent.



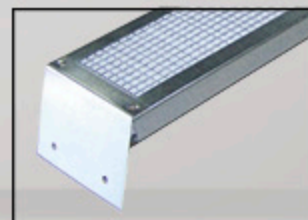
### WHAT DO THE "FC" SUFFIXES MEAN?

"FC" stands for 'Fiber Cement' which is made for- you guessed it- Fiber Cement. It has a flange recessed 3/8" back so that when the vent is installed the front of the vent will be flush with the fiber cement board.



### WHAT DO THE "RT" SUFFIXES MEAN?

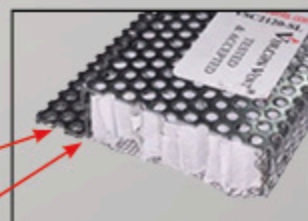
"RT" designates 'Reverse Tab' a frame designed with reverse tabs for eaves.



### WHAT DO THE "SL" SUFFIXES MEAN?

"SL" designates 'SL', or single leg, a continuous vent frame designed where the flange is on one side only in order to fit into rafters without the gap space for two legs.

Leg  
Leg Begins



# RETRO-FIT INSTALLATION GUIDE

Installation of Vulcan Retro-fit Vents are as easy as 1-2-3. Typical tools required: Hammer or Screw Driver, Ladder (not all projects will require the use of ladders), nails or screw fasteners.

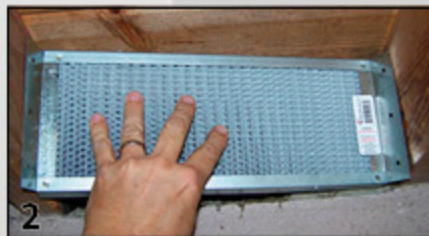
**STEP 1: REMOVE OLD VENT (DORMER RETRO-FIT INSTALLS OVER EXISTING)**

**STEP 2: REPLACE WITH VULCAN VENT**

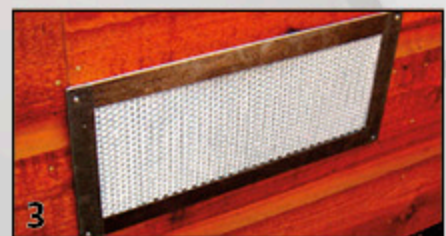
**STEP 3: FASTEN WITH NAILS OR SCREWS**

**CAUTION:** Remember to use extreme caution during the installation process. Secure the ladder firmly and use care. Ladder falls account for over 20% of work related accidents. Maintain safe working practices at all times and do not attempt if you are not in physical shape to do so.

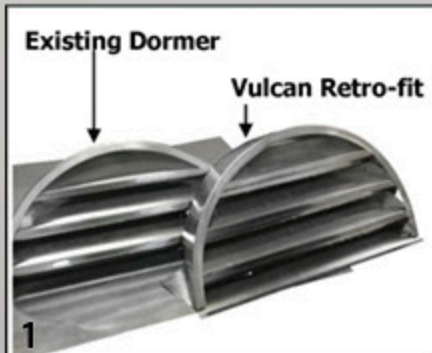
## VULCAN EAVE VENT RETRO-FIT UPGRADE



## VULCAN FOUNDATION VENT RETRO-FIT UPGRADE



## VULCAN DORMER VENT RETRO-FIT UPGRADE





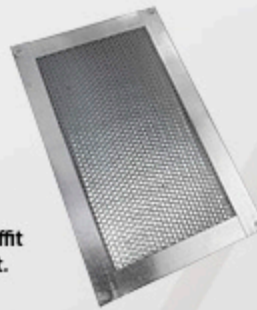
## SOFFIT VENTS

Soffits are the visible undersides of an arch, balcony, beam, cornice, or vault. Vulcan Vent soffits all include an inner mesh with intumescent coating that closes at high temps as well as an ember catching mesh; this fire-resistant design will protect your property from embers and flame intrusion into the attic.

Vulcan Soffit Vents are available for stucco, wood construction, foam & stucco, or retro-fit applications in 4", 6" and 8" x 14", other sizes, as well as continuous soffits.

### VFS (VULCAN SOFFIT, FOUNDATION) & VE (VULCAN SOFFITS)

- Some soffit and foundation vents are cross-categorized because of cross-application capability of certain models.
- Cross-application vents are indicated by an \* symbol.
- Suffix index:  
FF = Wood  
S = Stucco  
FB = Foam Back  
FC = Fiber Cement



VFS814FF Example soffit and foundation vent.



VE5522S

MFG. Part #	Description	Wt/Ea (lbs)	Qty/Box	NFVA	Cut Out (In)
VFS414FB*	4" x 14" FOAM BACK FLANGE RECESSED 1-1/2"	0.4	10	24	3.5 x 13.5
VFS414FF*	4" x 14" FLANGE FRONT	0.25	10	24	3.5 x 13.5
VFS414S*	4" x 14" FLANGE RECESSED 3/4" STUCCO	0.25	10	24	3.5 x 13.5
VFS614FB*	6" x 14" FOAM BACK FLANGE RECESSED 1-1/2"	1.15	10	41	3.5 x 13.5
VFS614FC*	6" x 14" FIBER CEMENT FLANGE RECESSED 3/8"	1	10	41	5.5 x 13.5
VFS614FF*	6" x 14" FLANGE FRONT	1	10	41	5.5 x 13.5
VFS614S*	6" x 14" SET BACK 3/4" STUCCO	1	10	41	5.5 x 13.5
VFS814FB*	8" x 14" FOAM BACK FLANGE RECESSED 1-1/2"	1.35	10	62	7.5 x 13.5
VFS814FF*	8" x 14" FLANGE FRONT	1.2	10	62	7.5 x 13.5
VFS814S*	8" x 14" SET BACK 3/4" STUCCO	1.2	10	62	7.5 x 13.5
VE3522FC	3.5" x 22" FIBER CEMENT FLANGE RECESSED 3/8"	0.71	10	41	3.5 x 22
VE3522FF	3.5" x 22" FLANGE FRONT	0.71	10	41	3.5 x 22
VE3522S	3.5" x 22" STUCCO SET BACK 3/4"	0.71	10	41	3.5 x 22
VE5522FC	5.5" x 22" FIBER CEMENT FLANGE RECESSED 3/8"	0.95	10	75	5.5 x 22
VE5522FF	5.5" x 22" FLANGE FRONT	0.95	10	75	5.5 x 22
VE5522S	5.5" x 22" STUCCO SET BACK 3/4"	0.95	10	75	5.5 x 22

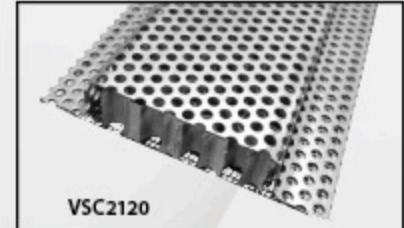


## CONTINUOUS SOFFIT VENTS

Vulcan Vent's fire and ember resistant continuous vents for soffits provide needed ventilation into attic space for proper cooling and maximum building lifespan. Ideal for new construction in numerous materials, strip vents such as ours do not use airflow interrupting baffles and results in more venting inch per inch. Our continuous vents for soffits feature a stainless steel ember screen and intumescent matrix!

### VG (VULCAN GABLE)

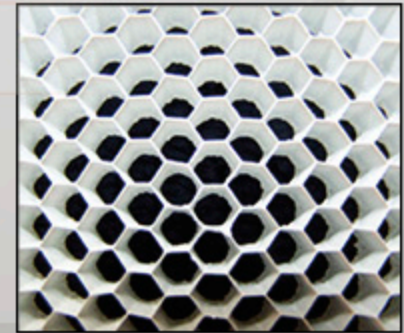
- Available for retro-fit applications
- More Sizes available through custom order
- Suffix index:  
 FF = Wood  
 S = Stucco  
 FB = Foam Back  
 FC = Fiber Cement



MFG. Part #	Description	Wt/Ea (lbs)	Qty/Box	NFVA	Cut Out (In)
VSC2120	2" x 120" NAILING FLANGE ON BOTH SIDES	4	10	96	N/A
VSC2120SL	2" x 120" SINGLE NAILING FLANGE	3.25	10	96	N/A
VSC2120SMC34	2" x 120" STUCCO 3/4"	5.08	N/A	96	N/A

## VULCAN MATRIX

Matrix only: The honeycomb / mesh matrix with active intumescent fire control. Only to fit into current vents.  
 Common use: Interior Gable Vent Retro-fit Kit



MFG. Part #	Description	Wt/Ea (lbs)	Qty/Box	NFVA	Cut Out (In)
VM1424	14" x 24" Vulcan Honeycomb/Mesh Matrix Only	0.75	10	Dependent	N/A
VM2424	24" x 24" Vulcan Honeycomb/Mesh Matrix Only	1.28	10	Dependent	N/A
VM4824	48" x 24" Vulcan Honeycomb/Mesh Matrix Only	2.56	10	Dependent	N/A



## EAVE VENTS

Vulcan Vent eave vents are fire-resistant, with intumescent coating that closes at very high temperatures and ember catching mesh. Eaves are the undersides of your roof that extend beyond the walls of a building, an area commonly directly over decorative plants and vegetation.

That's why Vulcan Vent's fire resistant eave vents are especially recommended (and in many cases required by California Builder Code in Chapter 7A) for the Wildland Urban Interface! To effectively cool the attic outside air needs to circulate through it. In the evening when excess heat is stored up inside the attic's insulation, it's critical to quickly release that heat for the night to consequently save on cooling and venting costs.

### VE & VER (VULCAN EAVE)

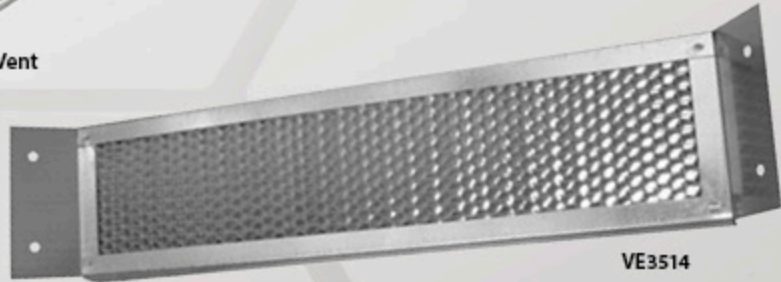
- **Vulcan eave vent prefix: VE**
- **Vulcan eave vent round prefix: VER**



VER2 Round Eave Vent



VER3 Round Eave Vent



VE3514

MFG. Part #	Description	Wt/Ea (lbs)	Qty/Box	NFVA	Cut Out (In)
VER2	2" ROUND LOUVERED FACE FIRE VENT	0.13	25	1	2" Round Hole
VER2M	2" ROUND MESH FACE FIRE VENT	0.13	25	2	2" Round Hole
VER3	3" ROUND LOUVERED FACE FIRE VENT	0.19	25	2	3" Round Hole
VER4	4" ROUND LOUVERED FACE FIRE VENT	0.25	25	4	4" Round Hole
VE3514	3.5" x 14" EAVE VENT	0.47	10	24	2 x 4 Rafters - 16" OC
VE3522	3.5" x 22" EAVE VENT	0.71	10	41	2 x 4 Rafters - 24" OC
VE5514	5.5" x 14" EAVE VENT	0.63	10	44	2 x 6 Rafters - 16" OC
VE5522	5.5" x 22" EAVE VENT	0.95	10	75	2 x 6 Rafters - 24" OC



## GABLE VENTS

Like Vulcan Vent's entire product line, their gable vents are fire and ember resistant. A combination of vertical and horizontal vents are recommended for proper ventilation. On hotter days, lower horizontal vents will intake relatively cooler air when there is sufficient venting above the horizontal (soffit, eave, continuous) and exhausts hot air from the attic through vertical gable and dormer vents.

### VG (VULCAN GABLE)

- Retro-fit applications are available
- More Sizes available through custom order
- Suffix index:  
 FF = Wood  
 S = Stucco  
 FB = Foam Back  
 FC = Fiber Cement



VG148S Exterior View



VG148S Interior View

MFG. Part #	Description	Wt/Ea (lbs)	Qty/Box	NFVA	Cut Out (In)
VG148FB	14" x 8" FOAM BACK FLANGE RECESSED 1-1/2"	2	5	29	14 x 7.5
VG148FF	14" x 8" FLANGE FRONT	2	5	29	14 x 7.5
VG148S	14" x 8" FLANGE SET BACK 3/4" STUCCO	2	5	29	14 x 7.5
VG1412FB	14" x 12" FOAM BACK FLANGE RECESSED 1-1/2"	3	5	58	14 x 12
VG1412FF	14" x 12" FLANGE FRONT	3	5	58	14 x 12
VG1412S	14" x 12" FLANGE SET BACK 3/4" STUCCO	3	5	58	14 x 12
VG1418FB	14" x 18" FOAM BACK FLANGE RECESSED 1-1/2"	4	5	86	14 x 17.5
VG1418FF	14" x 18" FLANGE FRONT	4	5	86	14 x 17.5
VG1418S	14" x 18" FLANGE SET BACK 3/4" STUCCO	4	5	86	14 x 17.5
VG1424FB	14" x 24" FOAM BACK FLANGE RECESSED 1-1/2"	5	5	115	14 x 23.5
VG1424FF	14" x 24" FLANGE FRONT	5	5	115	14 x 23.5
VG1424S	14" x 24" FLANGE SET BACK 3/4" STUCCO	5	5	115	14 x 23.5



## DORMER VENTS

Important for proper cooling of the attic, dormer vents are a common entry point for embers. Low profile dormers are often called 'eyebrow vents'. Half-round dormers are often called 'round' dormers.

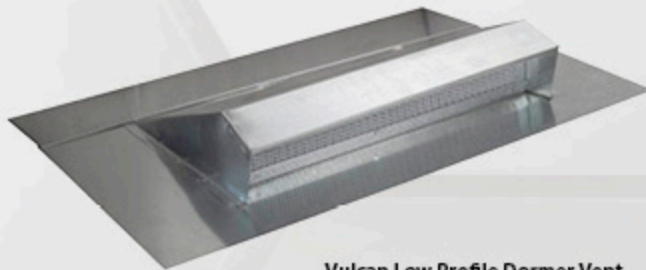
Vulcan Vent half round dormer vents are attractive, long lasting and fire resistant. Use vertical dormer and gable vents in combination with horizontal vents for proper ventilation. Vertically oriented vents may be more prone to ember attacks, so Vulcan Vents are designed with embers and flames in mind.

### VDHR & VDLR (VULCAN DORMER & LOW PROFILE)

- Half round prefix: VDHR
- Low profile prefix: VDLR
- Retro-fit kits are easy to install



Vulcan Half Round  
Dormer Vent



Vulcan Low Profile Dormer Vent,  
or 'eyebrow' vent. Vent 1



Vulcan Low Profile Dormer Vent,  
or 'eyebrow' vent. Vent 2

MFG. Part #	Description	Wt/Ea (lbs)	Qty/Box	NFVA	Cut Out (In)
VDLR419	4" x 19" LOW PROFILE VENT "EYEBROW"	6	5	52	N/A
VDHR1224	12" x 24" HALF ROUND DORMER VENT	10	5	90	N/A
VDHR1224R	12" x 24" RETROFIT HALF ROUND DORMER VENT W/ SOFT ZINC HOOD	5	5	90	N/A
VDHR918	9" x 18" HALF ROUND DORMER VENT	4	5	51	N/A
VDHR918R	9" x 18" RETROFIT HALF ROUND DORMER VENT W/ SOFT ZINC HOOD	4	5	51	N/A
Sub Base Flashings For Universal Dormer Vents					
VSB1212	12" x 12" WITH 3" FLANGES ON ALL 4 SIDES	1.5	10	105	13 x 13
VSB8585	8.5" x 8.5" WITH 3" FLANGES ON ALL 4 SIDES	1.25	10	54	10 x 10

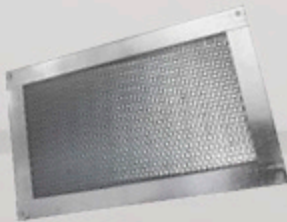
## FOUNDATION VENTS (VFS)

Foundation vents provide critical cooling and ventilation for evaporation of moisture from your crawl space, cellar, or basement. Vulcan Vent foundation vents use a baffle-free design to encourage air to circulate freely under your floors in the summer. This circulation reduces the risk of mildew, mold and rot from water condensation under your structure. Being at ground level and vertical, foundation vents may be susceptible to ember attacks. The Vulcan Vent was designed with embers in mind!

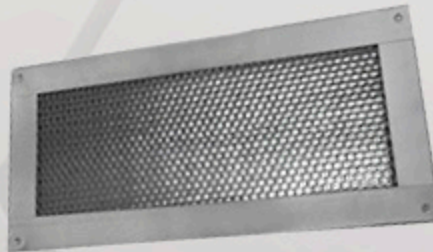
The Vulcan Foundation Vent is available for new or retro-fit applications. With intumescent coating that closes at high temperatures and ember catching mesh.

### VFS (VULCAN FOUNDATION, SOFFIT)

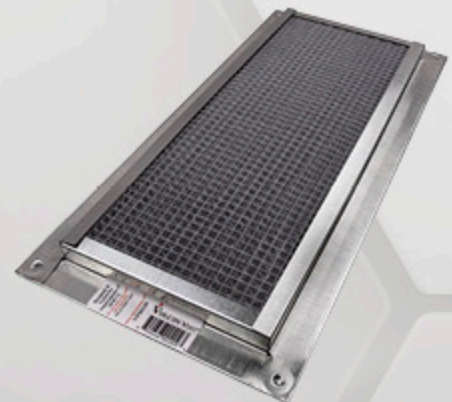
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- Cross-application vents are indicated by an \* symbol.
- Suffix index:  
 FF = Wood, S = Stucco, SMC = Mil Core,  
 FB = Foam Back, FC = Fiber Cement



VFS814FF Example soffit and foundation vent.



VFS6114FF



VFS614S

MFG. Part #	Description	Wt/Ea (lbs)	Qty/Box	NFVA	Cut Out (In)
VFS414FB*	4" x 14" FOAM BACK FLANGE RECESSED 1-1/2"	0.4	10	24	3.5 x 13.5
VFS414FF*	4" x 14" FLANGE FRONT	0.25	10	24	3.5 x 13.5
VFS414S*	4" x 14" FLANGE RECESSED 3/4" STUCCO	0.25	10	24	3.5 x 13.5
VFS614FB*	6" x 14" FOAM BACK FLANGE RECESSED 1-1/2"	1.15	10	41	3.5 x 13.5
VFS614FC*	6" x 14" FIBER CEMENT FLANGE RECESSED 3/8"	1	10	41	5.5 x 13.5
VFS614FF*	6" x 14" FLANGE FRONT	1	10	41	5.5 x 13.5
VFS614S*	6" x 14" SET BACK 3/4" STUCCO	1	10	41	5.5 x 13.5
VFS814FB*	8" x 14" FOAM BACK FLANGE RECESSED 1-1/2"	1.35	10	62	7.5 x 13.5
VFS814FF*	8" x 14" FLANGE FRONT	1.2	10	62	7.5 x 13.5
VFS814S*	8" x 14" SET BACK 3/4" STUCCO	1.2	10	62	7.5 x 13.5



## MERCHANDISING OPTIONS

### POINT-OF-PURCHASE MATERIALS

- Brochures
- Banner
- Product Shelf Cards
- 2' & 3' Header Boards
- Fire Resistive End Cap Display



Vulcan Bi-Fold and Tri-Fold Brochures



Vulcan Shelf Cards



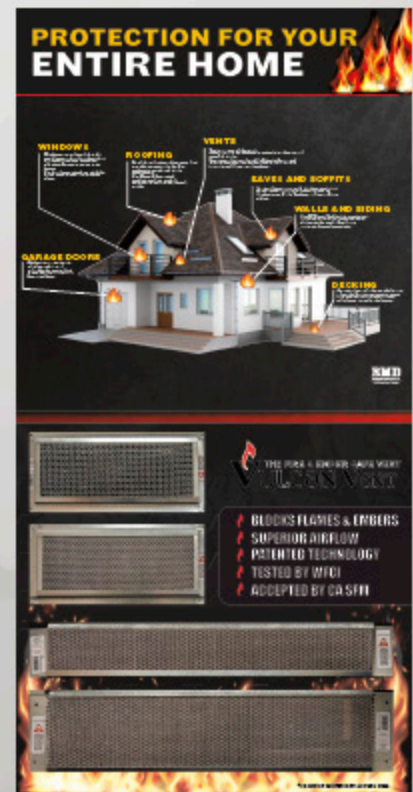
Vulcan Banner



Vulcan 3' Header Board



Vulcan 2' Header Board



BMD Fire Resistive End Cap Display

## NOTES





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