

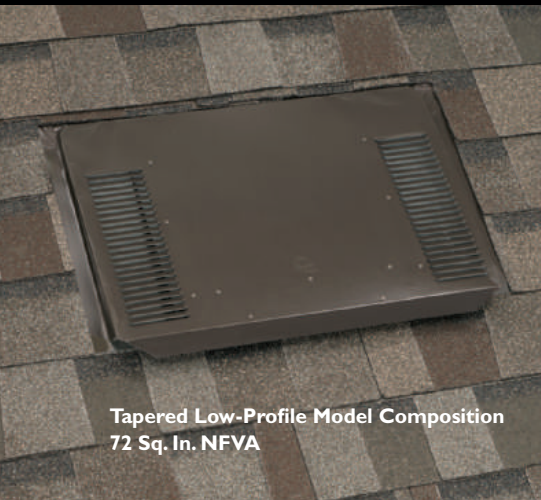


America's Leading Attic Ventilation Company

Master-planned communities, custom homes and multi-family projects all rely on the proven reliability of O'Hagin's ventilation systems.



Low/Medium Profile Model M
86.25 Sq. In. NFVA



Tapered Low-Profile Model Composition
72 Sq. In. NFVA



Low-Profile Model Flat
98.75 Sq. In. NFVA



NEW!
FIRE & ICE™
ATTIC VENTS

FIRE & ICE™ High Profile Model S
97.5 Sq. In. NFVA
(Vent shown with cut-away illustrating patent-pending interior matrix)

Division 7 – Thermal and Moisture Protection Section 07 72 00 Roof Accessories

VIRTUALLY INVISIBLE ■ MAINTENANCE FREE ■ PROVEN PERFORMANCE

O'Hagin's, Inc. is known worldwide as a leading designer and manufacturer of top-quality, state-of-the-art attic ventilation solutions. Architects around the world specify O'Hagin's attic ventilation products knowing that no matter the roofing material – clay, concrete or composite tile, hand-carved slate, or composition shingle – O'Hagin's has an attic ventilation system that matches, as closely as possible, the surrounding roofing material.

And now, O'Hagin's is pleased to provide it's new **FIRE & ICE™** vents, featuring an *optional* patent-pending, stainless-steel interior matrix that can be added to it's standard line of attic vents and is designed to resist the intrusion of flame, embers *and* snow into the attic space.

(800) 394-3864

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- Prompt analysis of provided roof plans, or other architectural drawings in electronic or other format. This analysis calculates the number of vents needed based on known local building codes and offers specific recommendations for placement – AutoCad, PDF or other format.
- Consultation services on an individual or group basis.

CALCULATING VENTS REQUIRED

STEP 1

VALIDATE LOCAL BUILDING CODE REQUIREMENTS

Most local building codes require compliance with either the 1/150 method or 1/300 method exception (exception requires use of one (1) perm vapor barrier/retarder). These methods dictate that one (1) square foot of ventilation is provided for every 150 or 300 square feet of attic floor space. Compliance with attic ventilation code requirements should always be verified at the local governing level.

Example (utilizing the 1/300 method and installing the FLAT style vent for tile (98.75 sq. in. of NFVA)*

STEP 2

DETERMINE TOTAL SQUARE FEET OF ATTIC FLOOR SPACE

Length of Attic _____ 60

X

Width of Attic _____ 20

(repeat process for all attic areas)

= (a) _____ square feet of attic space

20

(a) 1200

STEP 3

CALCULATING VENTILATION REQUIREMENTS

(a) _____ / 300 (exception method)

= (b) _____ square feet of code required ventilation

(a) 1000/300

(b) 4

STEP 4

CONVERT SQUARE FEET TO SQUARE INCHES

(b) _____ x 144

= (c) _____ square inches of code-required ventilation

(b) 4 x 144

(c) 576

STEP 5

DETERMINE ADEQUATE NUMBER OF O'HAGIN'S VENTS

(c) _____ / NFVA* for selected vent (see chart below)

= _____ (number of vents required)

(c) 576/98.75

= 6 vents
(3 intake and 3 exhaust)

MANUFACTURER'S RECOMMENDATIONS:

The patented O'Hagin's Balanced Ventilation System utilizes O'Hagin's vents placed strategically within the field of roofing material both high (near the ridge for exhaust) and low (near the eave for intake). This strategic high and low placement of O'Hagin's vents allows the balanced system to fully optimize both wind and thermal effects to provide superior passive ventilation throughout the attic. Additionally, placement of O'Hagin's vents both high and low should provide an equal, balanced rate of ventilation performance in each area. The calculations above do not include any potential NFVA value provided by alternative ventilation methods that may be present in any specific structural design.

***NET FREE VENTILATION AREA (FIGURES BASED ON INDEPENDENT EVALUATION REPORTS)**

Vents for Tile Roofs	LOW PROFILE MODEL: FLAT NFVA: 98.75 sq. in. (637.1 sq. cm.)	HIGH PROFILE MODEL: S NFVA: 97.50 sq. in. (556.5 sq. cm.)	LOW/MEDIUM PROFILE MODEL: M NFVA: 86.25 sq. in. (629.0 sq. cm.)
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Vents for Slate, Shake, or Composition Roofs	MODEL: TAPERED LOW-PROFILE NFVA: 72.0 sq. in. (464.5 sq. cm.)
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NEW FIRE & ICE™ ATTIC VENTS

O'Hagin's popular and effective line of attic vents may now be fitted with a new, patent-pending, corrosion-resistant, stainless-steel matrix that still provides superior airflow and protects against flames, embers and snow entering the attic space.

FIRE & ICE™ FEATURES INCLUDE:

- Low-profile design for tile, slate and composition shingle roof applications
- Class A fire-rated vent*
- Flame and ember resistant*
- Withstands peak temperatures of 1472°F
- Complies with Wildland Urban Interface Code requirements and accepted for use by State of California, Office of the State Fire Marshal
- Resists entry of snow into attic space*
- Interior stainless-steel matrix system
 - corrosion-resistant, stainless steel
 - same Net Free Ventilation Area (NFVA) as the standard line of attic vents
- Easy to install
 - no tile cutting on most profiles
 - no toxic lead flashing required
- May be used in place of under-eave and soffit vents
 - superior airflow
 - balanced airflow
 - decreased construction costs
- Easy retrofit
- Optional 1/8-inch mesh throughout vent

*Quantified by independent laboratory testing and report

PHOTOS OF O'HAGIN'S FIRE & ICE™ VENT DURING PERFORMANCE TEST



1. Flame and ember test performed on all O'Hagin's FIRE & ICE™ Vent profiles; 2. Cut-away side view of batten cavity during flame and ember test illustrating vent resistance to flame and ember penetration into batten cavity and interior attic space; 3. Photo of O'Hagin's new FIRE & ICE™ Tapered Low-Profile Vent taken during wind-driven snow demonstration in the Sierra Nevada at 7,200 ft. elevation — illustrating protection of airway from snow intrusion or build-up by patent-pending stainless-steel matrix while providing superior airflow; 4. Tapered Low-Profile FIRE & ICE™ Vent during FBC TAS 100(A)-95 Attic Vent Testing for wind-driven rain and snow.

O'Hagin's vents are manufactured and protected under one or more of the following patents (other U.S. and foreign patents are pending): D456,531; D457,234; D458,391; D458,392; D469,889; D479,885; D504,172; D512,774; D549,316; 6,050,039; 6,129,628; 6,354,051; 6,390,914; 6,447,390; 6,491,579



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