IVENT FLOW WP-2-XX-PI

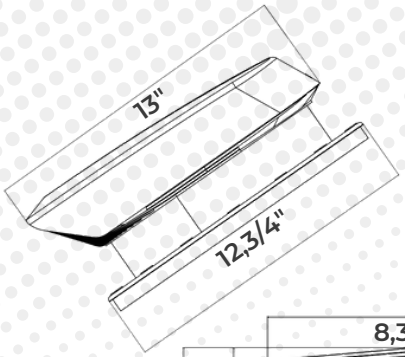
Technical data sheet and performance declaration.

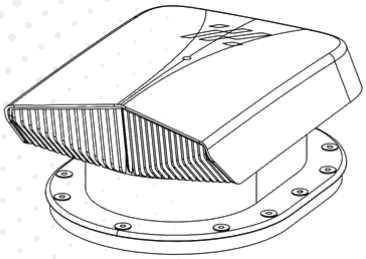
Ivent **FLOW PI** is cutting-edge static low-profile attic vent. Designed for standing seam metal installation. With its meticulously engineered design, Ivent FLOW PI boasts the most efficient ventilation opening available on the market, facilitating superior airflow despite its minimal profile. This innovative vent can be seamlessly utilized as both an exhaust and intake vent, thanks to its versatile and well-considered construction. Constructed from our time-tested UV stable pure polypropylene and precise construction guarantee maximum hail toughness and weather resistance. With pre-installed 1/2" butyl tape for easy and reliable installation. The butyl instant bond, flexibility, weather resistance and self- healing properties are essential for reliable long-term performance.

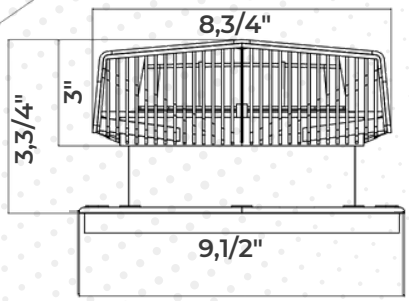
TECHNICAL DATA

MATERIAL	**UV stable pure Polypropylene**
HEIGHT	**3,3/4 "**
WEIGHT	**1.95 lb**
ROOF TYPE INSTALLATION	**METAL STANDING SEAM ROOFING**
TYPE	**IVENT FLOW PI**
ROOF PITCH INSTALLATION	**3:12 TO 24:12 PITCH**
PRODUCER	**ROOFIVENT LLC**
SKU	**WP-2-XX-PI**
TECHNICAL AND PERFORMENCE ASSIGMENST UNIT	**ITB**

Brown | Black | Graphite | Gray







IDENTIFICATION PRODUCT CODE	**WP-2-01-PI (Brown)** **WP-2-02-PI (Black)** **WP-2-09-PI (Graphite)** **WP-2-10-PI (light Grey)**
FLANGE FIXING	12 pcs. Hex washer head screws Length 1,1/4"
BASE	PRE-INSTALL 1/2" BUTYL TAPE

Attachement

- Verification of constancy of performance
- Aerodynamical performance

LIFETIME GUARANTEE Roofivent LLC give lifetime guarantee on functionality of these products. Guarantee doesn't include replacement due to destructive storms.

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Aerodynamical performance		Attic Vent
Product	**Dimension**	**NFA for roof attic exhaust or intake ventilation**
IVENT FLOW	53 in^2	53 in^2 = 0,37 ft^2

	Attic floor space	500 ft^2	1000 ft^2	1500 ft^2	2000 ft^2
BALANCED ATTIC VENTILATION	Total NFT (NET FREE AREA)	3,3 ft^2	6,6 ft^2	10 ft^2	13,3 ft^2
	FLOW EXHAUST VENTS NEEDED	4 pcs	6 pcs	8 pcs	10pcs
	FLOW INTAKE VENTS NEEDED	4 pcs	6 pcs	8 pcs	10pcs
	OR INTAKE SUFFIT VENTILATION	1,6 ft^2	3,3 ft^2	5 ft^2	6,6 ft^2

Acording to code minimum as listed in the 2012 International Residential Building Code, (IRC), Section R806 – Roof Ventilation.
Code minimum is 1 ft^2. of Net Free Area for every 150 ft^2. of attic floor space. This means, for every 150 ft^2 of attic floor space (defined as length x width, floor of the attic) there should be 1 ft^2 of Net Free Area (NFA).
NFA for the entire attic = 50% of it will be exhaust vents and 50% will be intake vents.

DATA TABLE SHEET

CHARACTERISTICS	PERFORMANCE PROPERTIES	ASSESSMENTS METHODS
Dimensions : • Height (A) • Inside diameter (B)	Attachement -A Dimensions	Measurement with measuring instrument with adequate accuracy
Vicat softening temperature of PP products: Fahrenheit	>167	ISO 306:2014 (method B50)
Changes as result of heating Polypropylene product	No cracks, delamination and sign of material fission or bubbles greater than 20% of the wall thickness: No part of the seam line exhibits an opening greater than 20% of the wall thickness	ISO 580:2006 method A: dryer Temperature: 300 F Time of heating: 30 min
Impact strength of Polyprophylene product	No damages	Drop method according to C-89206-2005 Temperature: 32 F Conditioning time: 30 min Drop height: 7 feet
Aerodynamic characteristics	Attachment - B	
Durability of Polypropylene products - resistance to aging in artificial conditions, with irradiation energy not lower than 2.6 GJ/ft^2	Delta E < 6	Method: A Type of lamps: xenon ARC Filter: external, type 300 (cuts off radiation below 300 nm) Irradiance: 60 W/ft^2 (measured at 300-400 nm wavelength) BST temperature: 145+37 F (dry period) Chamber temperature: 100+37 F (dry period) Exposure conditions: one cycle included 102 minutes of exposure in a dry enviroment and 18 minutes of exposure in a humid enviroment

Package includes: IVENTFLOW, base with butyl for metal standing seam installation, set of screws, installation instructions

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