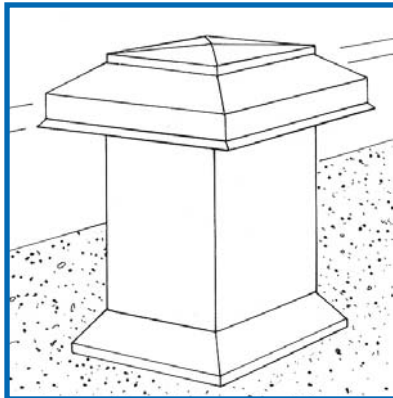
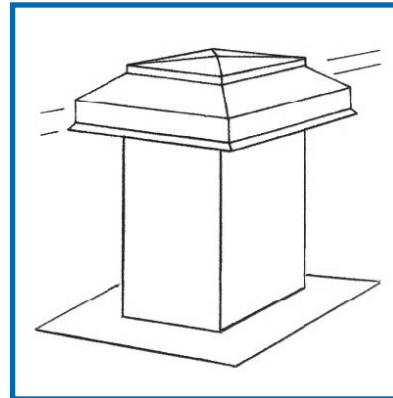


# FLAT ROOF VENTILATOR, Model # 102

WITH 45 DEGREE ANGLE BASE  
# 102



WITH INSULATED FLAT BASE  
# 102-PI



## **DESCRIPTION:**

Building code requires ventilation for restricted air space or flat roofs regardless of air intake. The requirements are 1/150 (Section 9.19.1 of the Canadian Building code of Canada).

This model is design to be installed onto a wooden curb. We also make a model 102 with an insulated flat base flashing for torched down application or other.

The ventilator functions with the combination of wind and pressure differentials, thus creating a vacuum like effect, removing moisture and stale air from within the attic space.

This model is with compliance of the Building Code requirement of 1/150 regardless of the air space.

Refer to the chart above for net ventilation area capacity.

Standard colors: brown, black or grey. A limited selection of special colours are available at a small premium. Please visit our web site at [www.ventilation-maximum.com](http://www.ventilation-maximum.com).

## **N.B.**

Refer to page 48 for more recommendations and positioning of the ventilators. **N.B.**

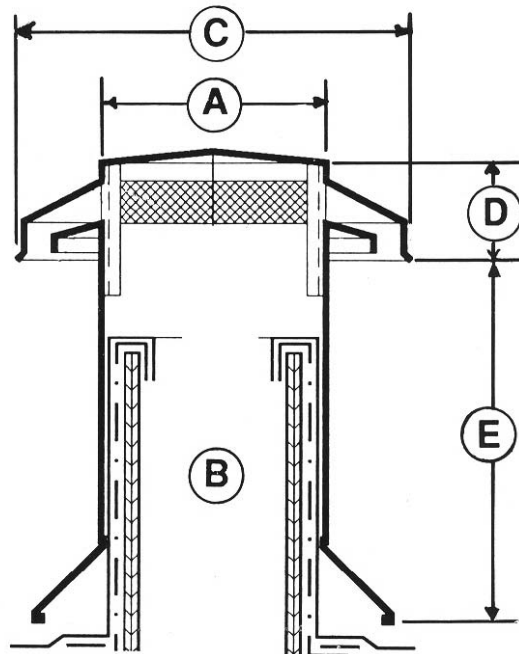
The opening (hole) of the curb determines the Net Free Ventilation Area ( NFVA)

Also, when specifying the size of the ventilator #102, always remember to calculate an allowance for the thickness of wooden curb and roof membrane.

## **VENTILATION CHART FOR MODEL # 102**

Net Ventilation Area between roof deck & insulation	Roof Area that one Ventilator #102 (12" x 12") can ventilate
1 inch to 6 inches	150 square feet
7 inches to 12 inches	150 square feet
13 inches to 24 inches	150 square feet
25 inches and more	150 square feet

# DIMENSIONS AND SPECIAL CHARACTERISTICS



CODE#	DIMENSIONS					THE EVACUATION FOR MODEL 102-PI	THE NET VENTILATION EVACUATION FOR MODEL 102	STEEL GAUGE USED
	A	B	C	D	E			
102-12	12"	10"	19.50"	5.25"	18"	96 in. <sup>2</sup>	96 in. <sup>2</sup>	26
102-14	14"	12"	24"	7.25"	20.50"	121 in. <sup>2</sup>	150 in. <sup>2</sup>	24 & 26
102-16	16"	14"	26"	7.25"	20.50"	169 in. <sup>2</sup>	208 in. <sup>2</sup>	24 & 26
102-18	18"	16"	28"	7.25"	20.50"	225 in. <sup>2</sup>	266 in. <sup>2</sup>	24 & 26
102-20	20"	18"	32"	10.25"	19.50"	289 in. <sup>2</sup>	352 in. <sup>2</sup>	24 & 26
102-22	22"	20"	34"	10.25"	19.50"	361 in. <sup>2</sup>	408 in. <sup>2</sup>	24
102-24	24"	22"	36"	10.25"	19.50"	441 in. <sup>2</sup>	486 in. <sup>2</sup>	24

## Note:

The net evacuation at the head of the ventilator is reduced so as to be equivalent to the evacuation inside the wooden curbs. This is done so as to reduce the possible risks of infiltrations.

The opening (hole) of the curb determines the Net Free Ventilation Area ( NFVA)  
Also, when specifying the size of the ventilator, always remember to calculate an allowance for the thickness of wooden curb and roof membrane.