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ROUND GRAVITY VENTILATOR

Don't settle for bad airflow. Outsmart stagnant air with round gravity roof ventilators. This versatile product is designed for economic, low volume air movement to ventilate warehouses, light industrial buildings, attics, lofts and other buildings requiring gravity or relief ventilation. The volume of gravity air movement can be controlled by the adjustable damper.

SPECIFICATIONS

STANDARD SIZE
Standard round gravity ventilators are available in 12", 20", and 24" diameter throat sizes.

INTEGRAL DAMPERS
The damper is supported in the open position by four strong springs and is closed by a 5' long pull chain. Longer lengths available upon request. Damper may be locked in any position.

CONSTRUCTION
26-gauge inner and outer bands, rain shield and base are assembled with four preformed baffles into a simple yet sturdy ventilating unit. This design achieves a free, unobstructed flow of ventilated air.

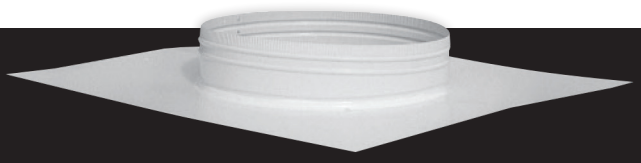
BIRD SCREEN
Assembly is completed by the installation of a 4 x 4 bird screen in the opening between the inner band and the rain shield to resist the entry of birds into the vent area.

FINISH
Galvalume or Polar White finish is standard, and other colors are available, including Kynar.®

BASE DESIGN
The base is specifically designed for final installation with a specified roof slope: Ridge or single slope, and flat or mounted into specified roof panel. Base and ventilating unit are furnished preassembled, ready for installation. Single slope bases are mounted directly into roof panel and are placed in such a way as to prevent damming.

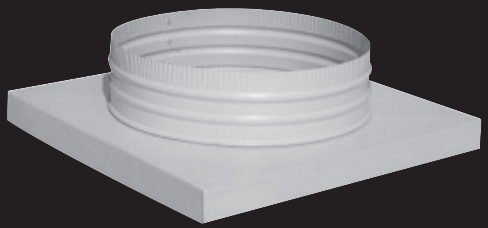
NOTE
When ordering, please specify roof slope, base type, damper pull chain and paint color.

BASE TYPES



TYPE 1

TYPE 2



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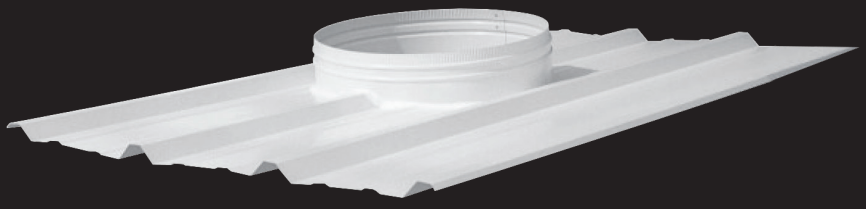

TYPE 4

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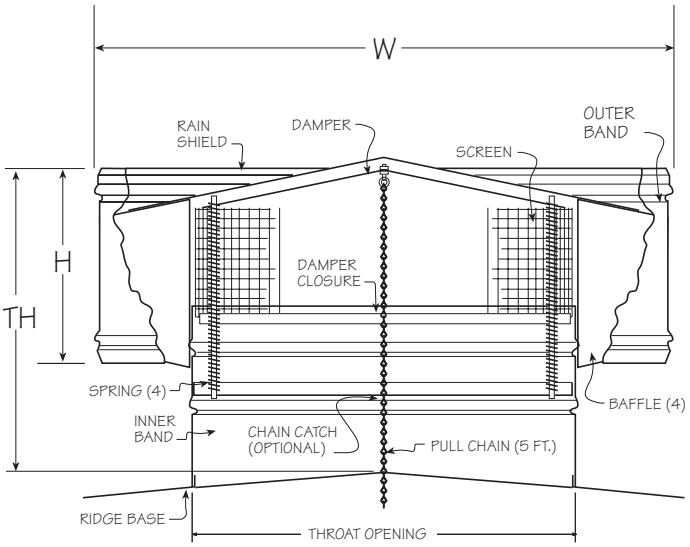
DIMENSIONS & SHIPPING WEIGHT

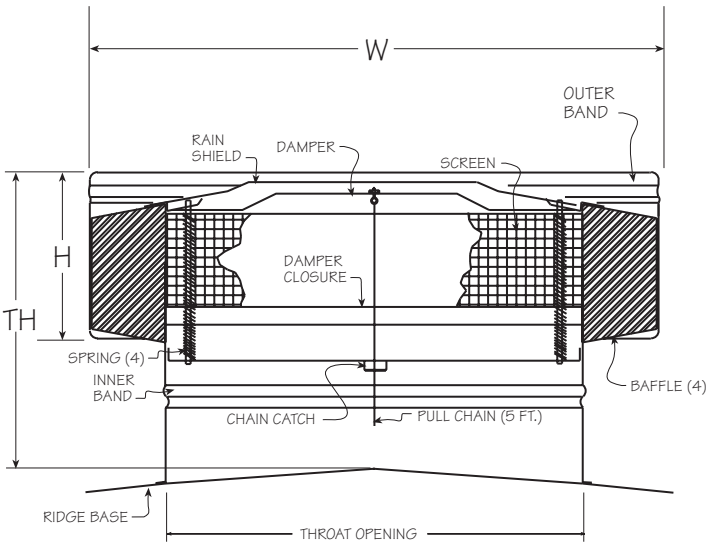
THROAT*	W	H	TH	SHIPPING WEIGHT (lbs.)
12"	18"	7-1/2"	14-1/2"	90
16"	26"	12-1/2"	16-1/2"	100
20"	30"	10"	17-1/2"	110
24"	36"	12"	23-1/2"	120

**Other throat sizes available upon request.*

TECHNICAL SPECIFICATIONS



12, 16, and 24" Throat Ventilators



20" Throat Ventilators

ASSOCIATE MBMA MEMBER

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TABLE OF CAPACITIES FOR ROUND VENTILATORS

CAPACITY:
Determine the height of vent above the air intakes and the "temperature difference" between inlet air temperature and outlet air temperature with these two constants. Find the "factor" from Table A. Then, multiply base rate CFM from Table C by the factor from Table A. The result is approximate vent capacity at 0 mph outside wind velocity. Beside the factor in Table A is the letter A, B, C or D. This letter refers to a factor in Table B. Multiply vent capacity for 0 mph wind by the appropriate factor from Table B for vent capacity under the given wind condition.

TABLE A

TEMPERATURE-HEIGHT FACTORS							
HEIGHT	TEMPERATURE DIFFERENCE						
	15°	20°	25°	30°	35°	40°	50°
15'	.64A	.78A	.84A	.90B	.96B	1.02B	1.10C
20'	.76A	.86A	.93B	1.00B	1.07B	1.13C	1.22C
25'	.84A	.95B	1.02B	1.10C	1.18C	1.25C	1.34C
30'	.91B	1.03B	1.12C	1.20C	1.29C	1.36C	1.47D
35'	.97B	1.09B	1.18C	1.27C	1.36C	1.430	1.55D
40'	1.02B	1.15C	1.25C	1.34C	1.430	1.52D	1.64D
45'	1.07B	1.20C	1.30C	1.40C	1.50D	1.58D	1.71D
50'	1.11C	1.26C	1.36C	1.46D	1.56D	1.65D	1.78D

TABLE B

WIND VELOCITY FACTORS				
WIND MPH	FACTORS			
	A	B	C	D
3	1.14	1.09	1.05	1.02
5	1.25	1.18	1.13	1.09
7	1.41	1.29	1.22	1.16
9	1.62	1.43	1.33	1.25
11	1.82	1.57	1.43	1.32

TABLE C

BASE RATINGS PER UNIT	
SIZE	CFM
12"	256
18"	577
20"	712
24"	1026