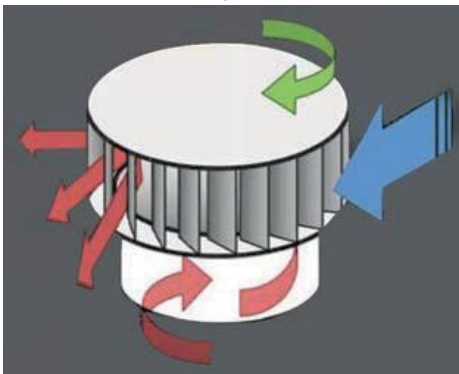


Green-vent Wind uses renewable energy generated by the wind passing through the extractor hood. Even a very low wind speed is enough to rotate the aspirator. Low pressure occurs in the downwind part of the Green-vent Wind, and the air moving through this low-pressure zone comes out between the blades of the extractor.

In this way, there is a continuous flow of air through the Green Vent Wind. With the effect of the centrifugal force created by the rotation of the Green-vent Wind, fresh air constantly replaces the hot and polluted air expelled from the blades.

Even when there is no wind, due to temperature differences and heat flow, Green-vent Wind always ensures ventilation.

Green-vent Wind is rain-resistant according to the 'Dynamic rain infiltration at low speed' test.



Properties

- Vertical blade technology for better performance at all wind speeds.
- Suction capacity up to 3 times compared to round-shaped aspirators.
- Stainless steel thanks to lightweight but highly resistant aluminum construction
- 4 different sizes for cost efficiency
- Operation without the use of electricity
- Compliance with wind load testing according to AS4740
- Compliance with dynamic rain tightness testing at low speeds
- Ventilation all year round
- Precision and quality bearings
- Better ventilation thanks to larger exhaust openings in all sizes.
- 15-year manufacturer's warranty
- Optional 12VDC motorized damper to adjust the air volume.



What are the basic principles applied in building ventilation?

For a ventilation system to work efficiently, there must be enough openings through which fresh air will enter, as well as the air that roof extractors expel.

Figure 1

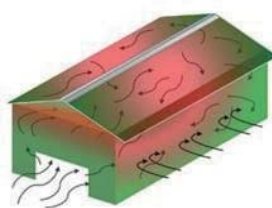


Figure 2

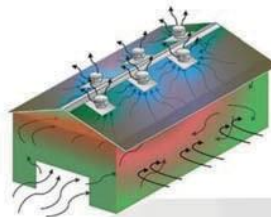


Figure 3

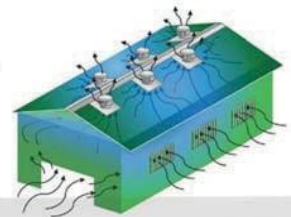
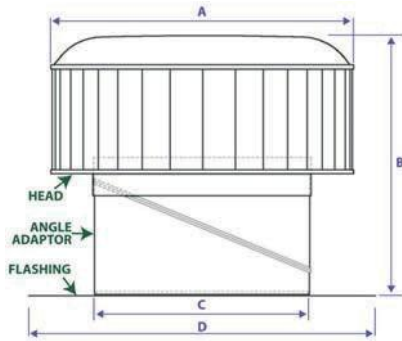


Figure 1: In a building without ventilation, hot and polluted air stays inside.

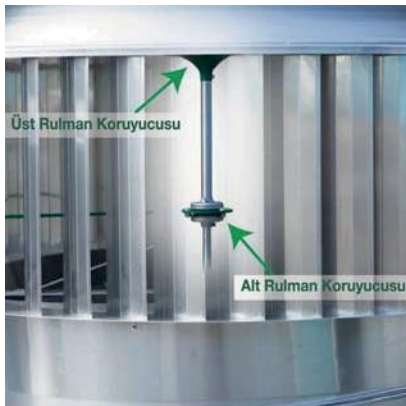
Figure 2: This building can be considered as a ventilated building, but the full efficiency of Green-vent Wind roof extractors cannot be obtained because there is not enough clearance for fresh air intake.

Figure 3: Since there are sufficient openings in this building for the entry of fresh air, the Green Vent Wind easily expels hot and polluted air

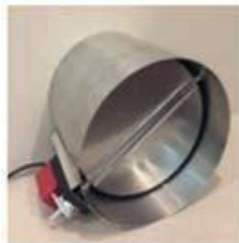
Dimension



Aspirator	A	B	C	D	Code
	Diameter	Height	Tube Diameter	Flange Dimension	
GVW150	340 mm	475 mm	150 mm	400mm x 360mm	56101500
GVW300	480 mm	480 mm	300 mm	500mm x 600mm	56103000
GVW600	770 mm	720 mm	600 mm	900mm x 900mm	56106000
GVW900	1100 mm	940 mm	900 mm	1200 mm x 1200 mm	56109000



Upper bearing protection is standard on all units, for Green-vent Wind 900 mm, the lower bearing additionally includes a stainless-steel bearing protector as standard.



Material Properties

Wanes-Aluminum 5005 H34
Plates- Aluminum 5005 H34
Angle adapter - Aluminum 5005 H34
Flashing- Aluminum 5005 H34
Dome- Aluminum 5005 H34
Brackets- Aluminum 5005 H34
Triple backing-Powder Coated Steel
Shaftl-304 Stainless Steel
Top Bearing-Double Row Ball Bearing (BWF30 -119Z)
Bottom Bearing-Single Row Ball Bearing (SB204-12C)
Upper Bearing Case-Glass reinforced ASA
Top Bearing Protector- Aluminum 1200 H0
Bottom Bearing Protector-304 Stainless Steel

Triple support and bottom bearing are only available on the GVW 900 model.

Tube Area	Total Weight
GVW150= 0.018 m ²	GVW150= 2.5 kg
GVW300= 0.071 m ²	GVW300= 5 kg
GVW600=0.283 m ²	GVW600=12 kg
GVW900=0,636 m ²	GVW900=25 kg

12V Motor Operated Damper

With this damper, you can turn off the Green-Vent Wind extractor fan with the remote control or turn it down to the desired extent to reduce or keep the heat loss in the environment constant during the winter months.

Efficiency Table

Aspirator	Shooting Capacity at variable wind Speeds (m ³ /h)		
	1.66 m/s	3.33 m/s	4.44 m/s
GVW150	396	756	997
GVW300	970	1720	2230
GVW600	2230	3970	5110
GVW900	5610	9720	12450