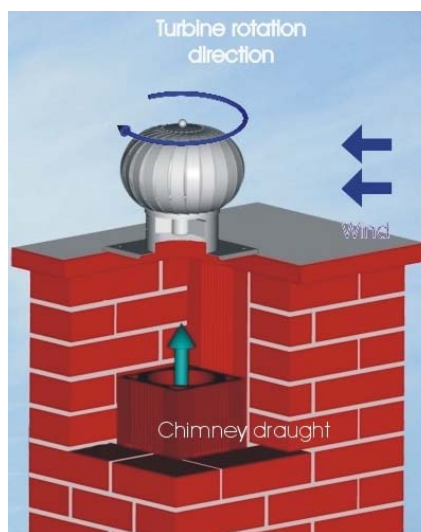


# TURBOVENT rotary chimney cowl



## Material

Base and Cap of Stainless steel .  
(EN10088: 1.4301-304).

## Usage

Ventilation & Combustion ducts.

Diameter	Cap rotation diameter D
Ø150	~ 260
Ø200	~ 320
Ø250	~ 380
Ø300	~ 460

## Description

The rotary chimney cowl **Turbovent** is a device, which, in a dynamic way, uses the wind force to increase the chimney draught. The turbine always rotates in the same direction no matter of the wind strength or its direction. It is to be mounted on a gravitation based chimney ducts endings: ventilation or flue-gas heating.

## Maximal working temperatures: 150°C

Rotating unit: ball bearing system sunk in a high-temperature oil.

## Usage

- when there are wind fluctuations on the chimney duct ending, caused by its location.
- when there is a unfavorable terrain configuration, with strong and frequent winds.
- when there is a lack of chimney draught or it is to weak.
- in order to improve the natural (gravitation) ventilation.

Product Codes : **DTU {Ø} {d}** [d = Base version]

## Conservation

If applicable all the chimney cowls need to be inspected by chimney-sweep according National laws and regulations.

## Maintenance

The chimney-sweep should also clean the cowl from dirt and re-lubricate the moving parts of the **Turbovent** (if it is necessary).

For conservation and maintenance purposes it is necessary to open the cowl, or unscrew the screws and take it off.

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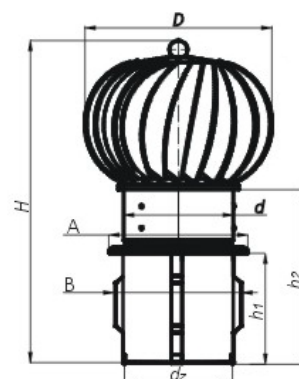
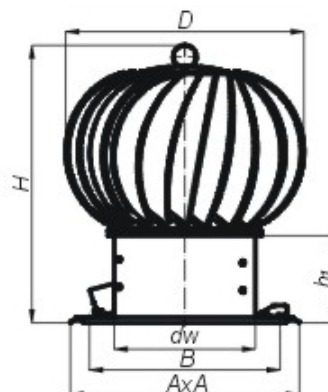


- Square base openable [S]  
Ø150 - Ø200 - Ø250

- Square base [S]  
Ø300



- Force-in mounting base [T]  
Ø150 - Ø200 - Ø250 - Ø300



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Measurements table for various inlet diameters

Ø 150	Measurements [mm]							Weight [kg]
Base version	dw	dz	H	h1	h2	A	B	
S	149	-	305	100	-	250	208	1.80
T	-	144	450	157	244	187	158	2.05

Ø 200	Measurements [mm]							Weight [kg]
Base version	dw	dz	H	h1	h2	A	B	
S	199	-	340	100	-	330	284	2.30
T	-	194	494	167	254	237	208	2.50

Ø 250	Measurements [mm]							Weight [kg]
Base version	dw	dz	H	h1	h2	A	B	
S	248	-	395	105	-	370	330	3.10
T	-	244	550	177	260	287	259	3.40

Ø 300	Measurements [mm]							Weight [kg]
Base version	dw	dz	H	h1	h2	A	B	
S	298	-	415	90	-	430	380	4.00
T	-	294	569	177	244	337	308	4.00

**Also available on request:**

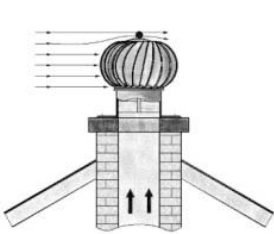
- Other bases.
- Other Base and Cap material.
- Motorized version.

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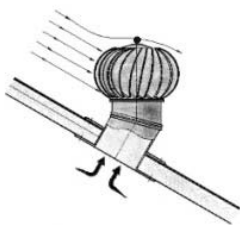
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# TURBOVENT rotary chimney cowl

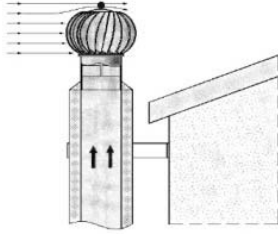
Different ways of mounting.



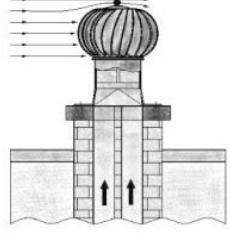
Increasing the chimney draught with Turbovent on a square base



Ventilating the attic with Turbovent on a square base adjustable



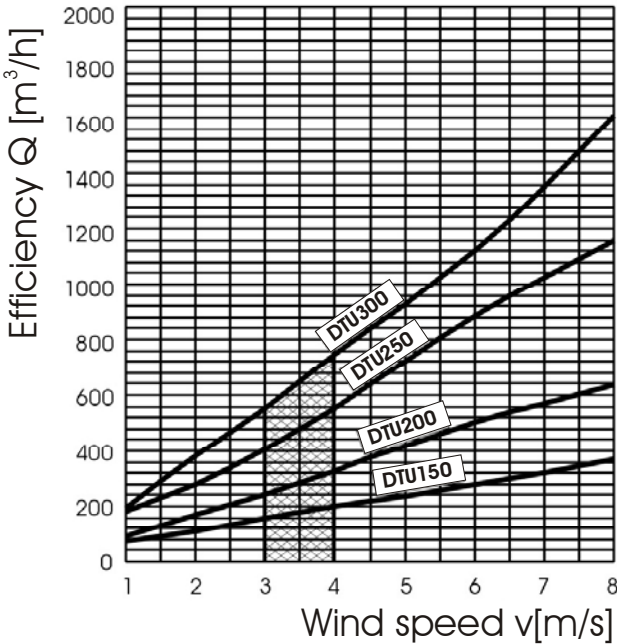
Turbovent with insulation closing mounted on a double walled ventilation duct



Turbovent 300 mounted as an ending of multiple ventilation ducts

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Airflow charts.



Efficiency chart for **Turbovent** (various diameters) in a function of windspeed, not including the influence of chimney height  
1m/s = 3.6 KM/h

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