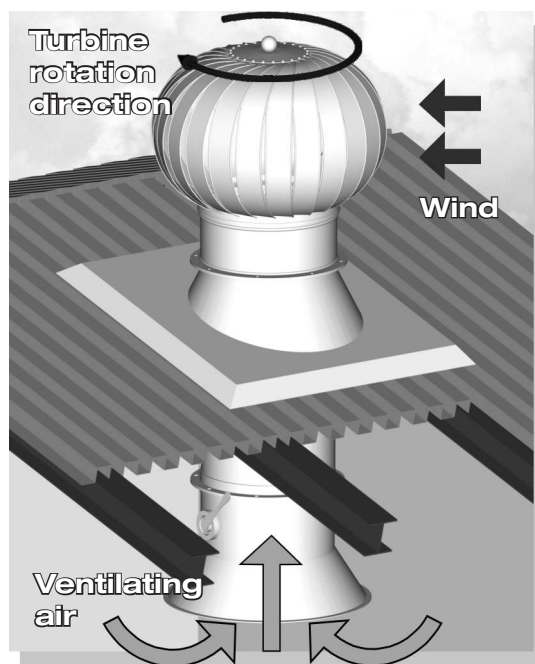


PICTURE



FUNCTION PRINCIPLE



DESCRIPTION

Rotary chimney cowl Turbowent is a device, which, in a dynamic way, uses force of the wind to increase 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 the roof bases for industrial ventilation, or on reducing bases for multiple natural (gravitation) ventilation ducts

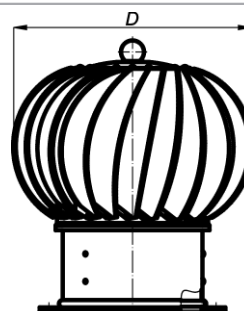
Maximal working temperature: 150 [°C]
Rotating unit: greased ball bearings

DESTINATION

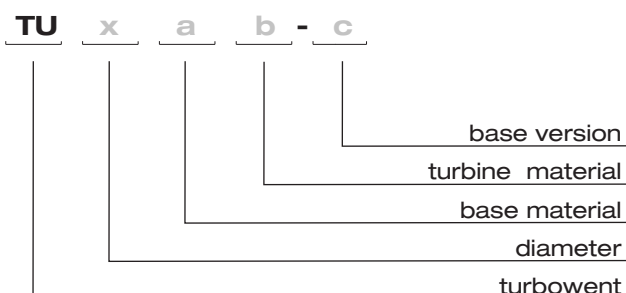
- when there are wind fluctuations on the chimney duct ending, caused by its bad location
- when there is an unfavorable terrain configuration, with strong and frequent winds
- when there is a lack of chimney draught or it is too weak
- in order to improve the natural (gravitation) ventilation.

MEASUREMENTS

Diameter	Turbine diameter D
Ø400	~ 630
Ø500	~ 740



DENOTATIONS / PRODUCT CODES



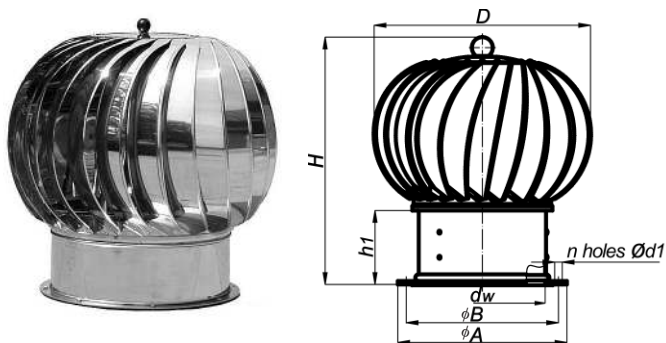
MATERIALS

Destination	W	W	W	W - ventilation ducts
	-	-	-	S - gas and oil exhaust ducts
	-	-	-	D - smoke ducts
Base material	CH	-	CH	CH - chrome - nickel sheet 1.4301
	-	OC	-	OC - galvanised steel sheet
	-	-	-	AL - aluminum
Turbine material	CH	-	-	CH - chrome - nickel sheet 1.4301
	-	-	-	OC - galvanised steel sheet
	-	AL	AL	AL - aluminum

TURBOWENT - VERSIONS OF BASES

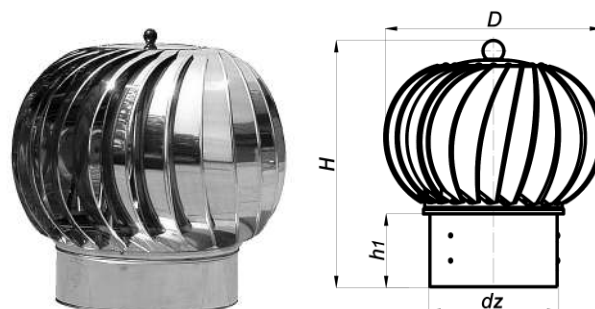
1. BASE WITH COLLAR

-BIII



2. INLET PIPE

-B-S



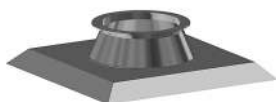
MEASUREMENTS TABLE FOR VARIOUS INLET DIAMETERS

Ø 400		Dimensions [mm]									Weight [kg]		
Lp	Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OCAL	CHAL	CHCH
1	-BIII	398.80	-	649	165	-	464	438	9.5	8	8.00	8.00	11.00
2	-B-S	-	400.80	650	170	-	-	-	-	-	6.85	6.85	9.80

Ø 500		Dimensions [mm]									Weight [kg]		
Lp	Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	OCAL	CHAL	CHCH
1	-BIII	498.80	-	784	178	-	564	538	9.5	8	10.70	10.70	14.80
2	-B-S	-	500.80	795	183	-	-	-	-	-	8.80	8.80	13.40

DIFFERENT KINDS OF ROOF BASES

1. BI - TYPE ROOF BASE



2. BII - TYPE ROOF BASE



3. BIII - TYPE ROOF BASE



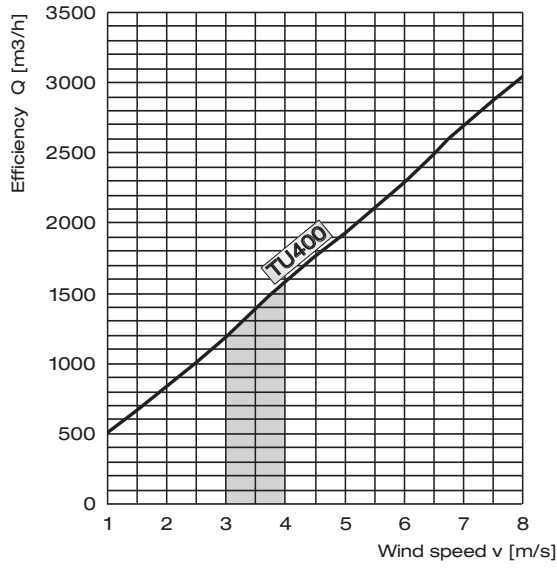
4. REDUCING BASE FOR 4 VENTILATION DUCTS MADE OF P-TYPE CERAMIC BRICKS (EXAMPLE)



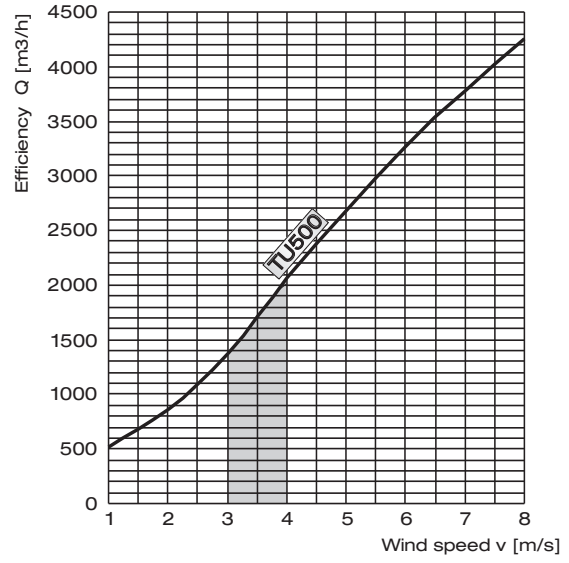
5. ANGULAR ROOF FLASHING (EXAMPLE)



AIRFLOW CHARTS



Efficiency chart for Turbowent 400 in a function of wind speed, not including the influence of chimney height



Efficiency chart for Turbowent 500 in a function of wind speed, not including the influence of chimney height