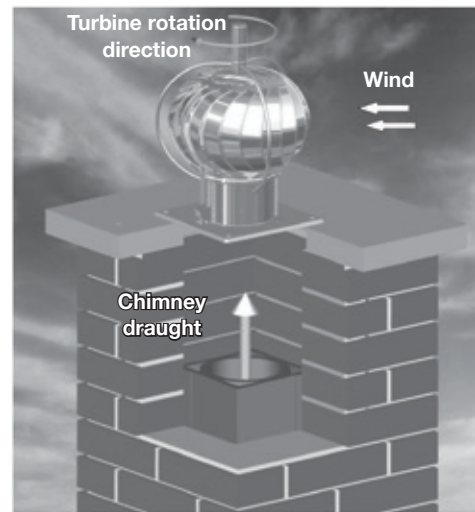


PICTURE



FUNCTION PRINCIPLE



DESCRIPTION

Rotary chimney cowl Turbowent with external bearings 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. Thanks to the patented bearing system placed outside, the influence of exhaust gases is minimised and the cowl can be used with gas - fired applications. It is recommended

for flue ducts.

Maximal working temperature: 250 [°C]

Rotating unit: greased ball bearings, placed outside the turbine

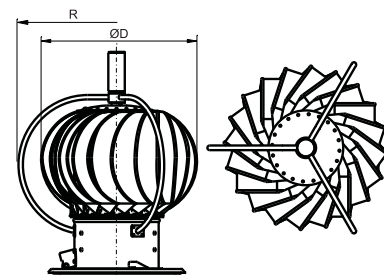
This solution is reserved in the RP Patent Office.

DESTINATION

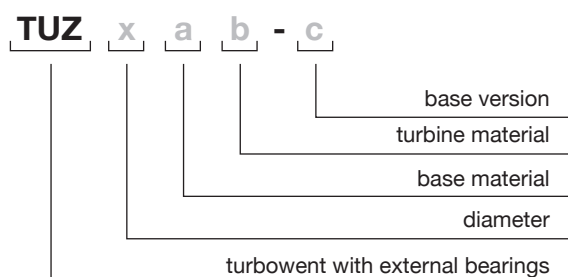
- when there are wind fluctuations on the chimney duct ending, caused by its bad location
- when there is an unfavorable terrain configuration, with strong and frequent winds
- when there is a lack of chimney draught or it is too weak
- in order to improve the natural (gravitation) chimney draught in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

MEASUREMENTS

Diameter	Turbine diameter D	R
Ø 150	~ 260	165
Ø 200	~ 320	195



DENOTATIONS / PRODUCT CODES



MATERIALS

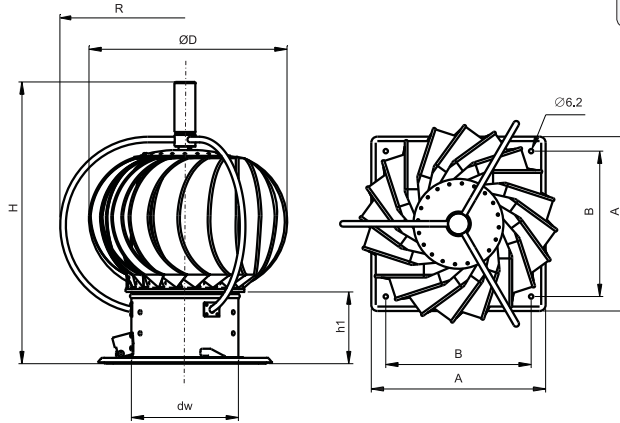
Destination	-	W - ventilation ducts
	S	S - flue ducts
	-	D - smoke ducts
Base material	CH	CH - chrome-nickel sheet 1.4301
	-	OC - galvanised steel sheet
	-	AL - aluminum
	-	ML- powder coated
Turbine material	CH	CH - chrome-nickel sheet 1.4301
	-	AL - aluminum
	-	ML- powder coated

TURBOWENT WITH EXTERNAL BEARINGS

Ø150 ÷ Ø200 - rotary chimney cowl

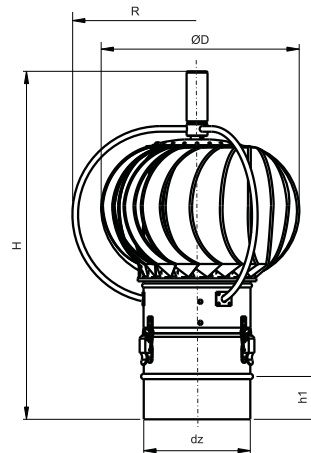
TURBOWENT - VERSIONS OF BASES

1. SQUARE BASE OPENABLE



STANDARD

2. INLET PIPE OPENABLE



-B

MEASUREMENTS TABLE FOR VARIOUS INLET DIAMETERS

Ø 150	Dimensions [mm]											Weight [kg]
	Base version	D	dw	dz	H	h1	h2	A	B	d1	Amount n	
STANDARD	~260	150.4	-	305	100	-	250	208	6.2	4	165	2.00
-B	~260	-	152.0	402	60	197	-	-	-	-	165	2.00

Ø 200	Dimensions [mm]											Weight [kg]
	Base version	D	dw	dz	H	h1	h2	A	B	d1	Amount n	
STANDARD	~320	200.0	-	340	100	-	330	284.0	6.2	4	195	2.50
-B	~320	-	201.0	471	60	197	-	-	-	-	195	2.50