

WC

CIRCULAR ROOF VENTILATOR



Description:

WC circular roof ventilator used at the ends of ventilation systems.



Intended use

WC roof ventilators (cowls) are used at the ends of ventilation system ducts. They provide protection against direct weathering and support the overall system operation.

Design

Circular WC roof ventilators are fitted with round flange connections, nipple or sleeve and are suitable for standardised diameters of circular ducts. The flange connections are initially painted with anti-corrosive paint (for repainting after assembly) – applies to P = SO finish. Upon request, the holes for screws in the flange connections can be made, according to the individual guidelines. WC units are normally made of zinc-plated steel with the average thickness of the zinc coating equal to 19 micrometres. Other external RAL colour-painted versions and a stainless steel version are available upon special request.

Dimensions

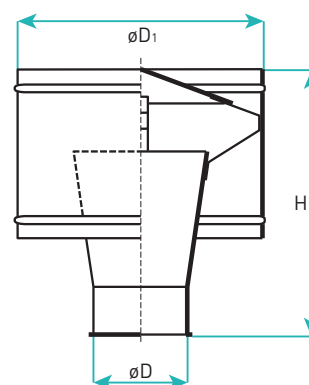


Figure 1. Dimensions of the WC circular roof ventilator.

The standard dimensions of the roof ventilators are presented below.

Table 1. WC dimensions.

øD [mm]	øD1 [mm]	H [mm]	Weight [kg]
100	200	230	1.0
125	250	282	1.3
160	320	332	2.2
200	400	400	3.3
250	500	515	5.4
315	630	625	11.5
400	800	770	19.4
500	1000	990	31.4
630	1260	1211	52.8

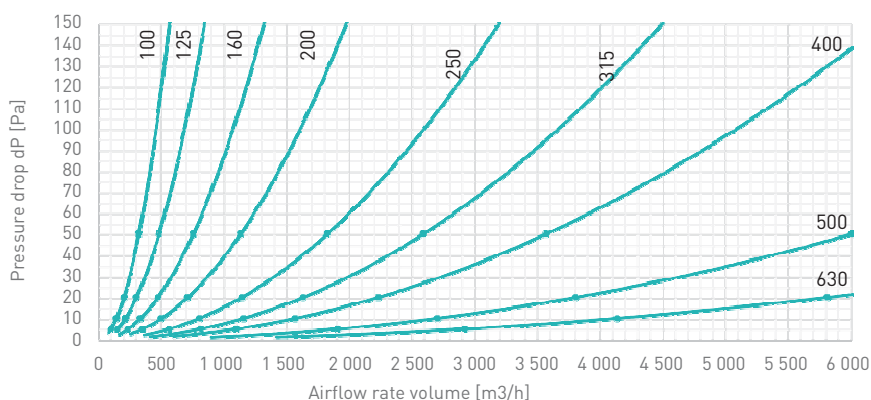


Diagram 1. Pressure loss for WC ventilators

SL

SO

SN

RAL



WC – Circular roof ventilator

When ordering, please provide information according to the following pattern:

WC - <D> - <J> - <P> - <RAL>

Where:

D	Nominal connection pipe diameter in mm*
J	Connection type:*
	PSK – Flange connection
	KTW – Angled flange connection (for diameters $355 \leq D \leq 1000$) NPL – Nipple connection (for diameters $D \leq 315$ mm)
	MFA – Sleeve connection (for diameters $D \leq 315$ mm)
P	Finish:*
	SL – Coated steel
	SO – Galvanized steel
	SN – Stainless steel, grade 1.4301 (304 according to AISI, 0H18N9 according to PN), not possible for the J = KTW flange
RAL	Colour as per RAL code (for SL finish)

* Optional values, if not specified, the default values will be used

Sample order: **WC-160-MFA-SO**