CPDC
ROUND ROOF AIR-INTAKE VENTILATOR

‚MAY™

Description:
The CPDC is a circular roof air-intake ventilator for use at the end of ventilation ducting. The air-intake ventilators are protected by bird guard netting.

Design

CPDC air-intake ventilators (cowls) are fitted with circular flange, nipple or sleeve connections and are suitable for standardised diameters of circular ducts. Upon request, the holes for the screws in the flange connections can be made according to individual guidelines. CPDC air-intake ventilators are normally made of zinc-plated steel with the average thickness of the zinc coating equal to 19 micrometres. Other RAL colour-painted versions and a stainless steel version are available upon special request.
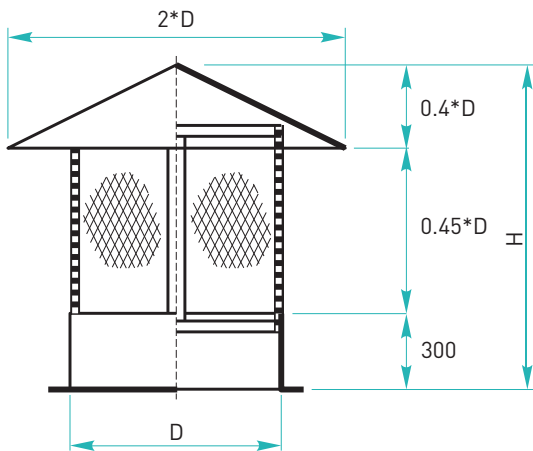
Dimensions

Figure 2. CPDC roof air-intake ventilator dimensions.

The standard dimensions of the CPDC air-intake ventilators are presented below. Air-intake ventilators with different dimensions can be delivered upon request.

Table 2. CPDC roof air-intake ventilator dimensions.

ØD [mm]	ØD₁ [mm]	H [mm]	Aef [m²]	Weight [kg]
100	200	390	0.009	1.8
125	250	410	0.015	2.3
160	320	440	0.026	3.1
200	400	470	0.041	4.1
250	500	510	0.066	5.6
315	630	570	0.108	8.0
400	800	640	0.176	11.9
500	1000	730	0.269	22.3
630	1260	840	0.439	33.4

Pressure loss
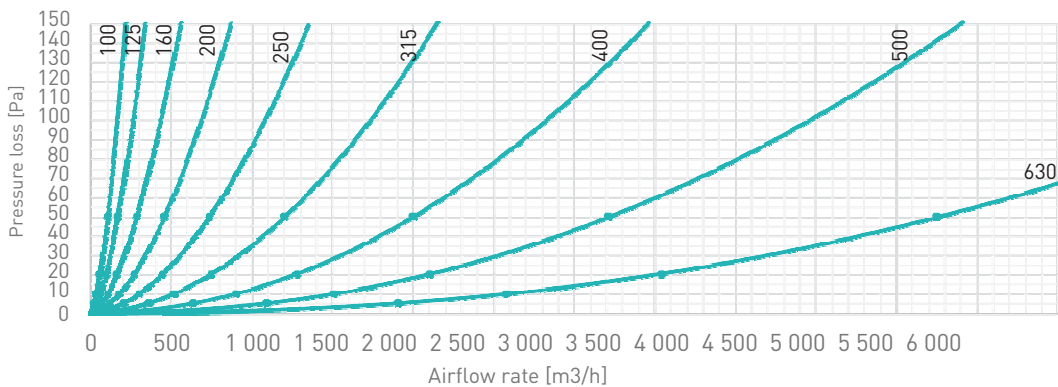
Diagram 1. Pressure loss for the CPDC exhaust ventilator.

SL	SO	SN

RAL
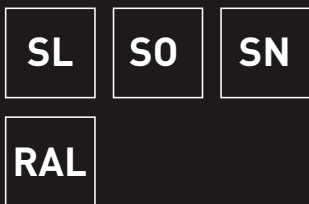
CPDC – Circular roof air-intake ventilator

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

For standard air-intake ventilators

> **CPDC - <D> - <J> - <P> <RAL>**

Where:

D	Diameter nominal in mm
J	Connection type
	PSK – Flange connection
	KTW – Angled flange connection (for diameters 355 ≤ D ≤ 1000)
	NPL – Nipple connection (for diameters D ≤ 315 mm)
	MFA – sleeve connection (for diameters D ≤ 315 mm)
H	Air intake hood height in mm
P	Finish*
	SL – Painted steel
	SO – Galvanised steel
	SN – Stainless steel, quality 1.4301 (304 to AISI, 0H18N9) not available for J = KTW
RAL	Colour as per RAL code (for SL finish)

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

Order example: **CPDC-250-PSK-SO**