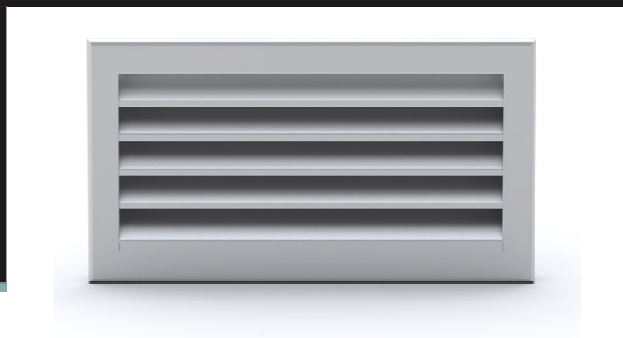


CWM

RECTANGULAR WALL AIR-INTAKE/EXHAUST VENTILATOR



Description:

CWM rectangular air-intake/exhaust ventilator with fixed louvres with bird guard netting.

Intended use

These air-intake/exhaust ventilators protect ventilation duct system against birds by a wire net on the back. CWMs can be installed in partitions or on the ends of ventilation ducts.

Design

CWM air-intake/exhaust ventilators have fixed louvres and a ventilation duct system protection in a form of steel bird guard netting.

CWMs are normally made of galvanised steel. Other RAL versions made out of aluminium or stainless steel are available upon special request.

Technical Data

Table 1. Effective area of the CWM, A_{ef} [m²].

		C – Mounting hole width								
D-hole height [mm]		200	300	400	500	600	700	800	900	1000
	200	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.08	0.09
	300	0.03	0.04	0.05	0.07	0.08	0.09	0.11	0.12	0.14
	400	0.04	0.05	0.07	0.09	0.11	0.13	0.14	0.16	0.18
	500	0.05	0.07	0.09	0.11	0.14	0.16	0.18	0.20	0.23
	600	0.05	0.08	0.11	0.14	0.16	0.19	0.22	0.24	0.27
	700	0.06	0.09	0.13	0.16	0.19	0.22	0.25	0.28	0.32
	800	0.07	0.11	0.14	0.18	0.22	0.25	0.29	0.32	0.36

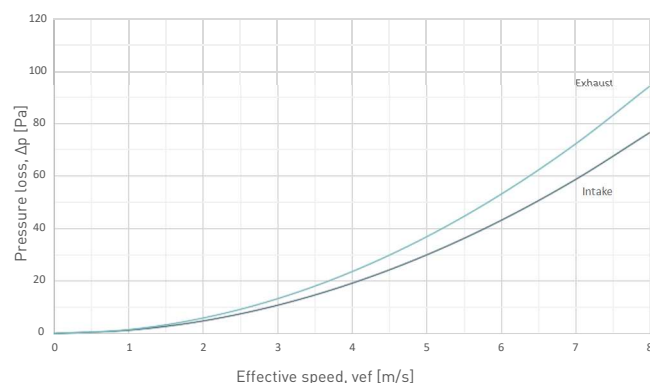


Diagram 1. Pressure loss for CWM air-intake/exhaust ventilators.

Dimensions

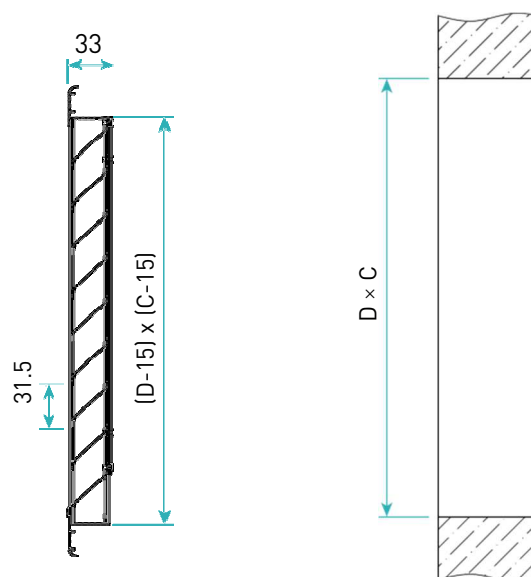


Figure 1. CWM dimensions.

Possible dimension range of CWM air-intake/exhaust ventilators are presented as follows:

- Width C = 200–1025 mm
- Height D = 200–800 mm

Table 2. CWM weight [kg].

		Hole width, C [mm]								
D-hole height [mm]		200	300	400	500	600	700	800	900	1000
	200	1.4	1.8	2.3	2.8	3.2	3.7	4.2	4.7	5.1
	300	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6
	400	2.2	2.9	3.7	4.4	5.1	5.9	6.7	7.4	8.2
	500	2.5	3.4	4.3	5.2	6.1	7.0	7.9	8.8	9.7
	600	2.9	4.0	5.0	6.0	7.1	8.1	9.2	10.2	11.2
	700	3.3	4.5	5.7	6.8	8.1	9.2	10.4	11.6	12.7
	800	3.6	5.0	6.3	7.6	9.0	10.4	11.7	13.1	14.4



CWM – Rectangular wall air-intake/exhaust ventilator

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

CWM – <C> x <D> – <P> <RAL>

Where:

C	Mounting hole width in mm
D	Mounting hole height in mm
P	Finish*
	AA – Anodised aluminium
	AL – Painted aluminium
	SL – Painted steel
	SO – Galvanized steel
	SN – Stainless steel, grade 1.4301 (304 according to AISI, 0H18N9 according to PN)
RAL	Colour as per RAL code (for SL finish)

*Optional values – if blank, default values will be used

Example product marking: **CWM-500x600-SL9010**