

WSO

CIRCULAR WALL AIR EXHAUST VENTILATOR WITH SELF-CLOSING AIR CONTROL LOUVRES



Description:

WSO circular wall air exhaust ventilator with self-closing louvres that provide protection against backflow of air.



Intended use

WSO exhaust ventilators are designed to protect the circular ends of ventilation systems. Their function is to serve as anti-return flaps by limiting reverse airflow caused by wind pressure.

Design

Movable WSO louvres serve as anti-return flaps, closing themselves in the event of the airflow disappearance or direction reverse. The louvres are made of aluminium. The frame is made of galvanised steel as standard. It is possible to have it, upon request, painted in RAL colours as well as other special versions: stainless steel frame and aluminium louvres or frame and louvres made of aluminium.

Installation

WSO units can be mounted to a partition with screws through the holes in the façade frame (the holes should be prepared individually at a building site).

Dimensions

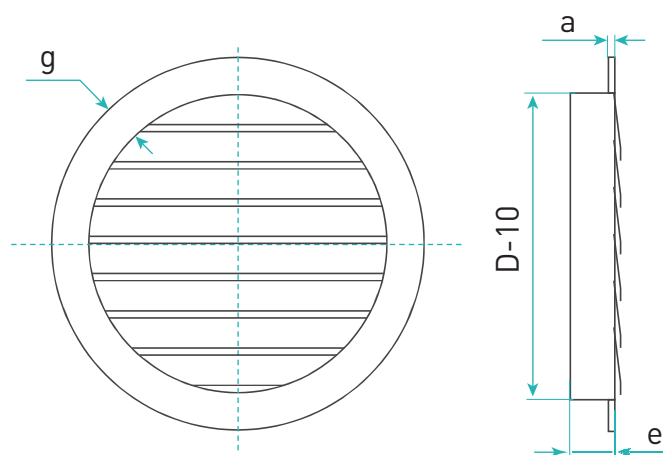


Figure 1. WSO exhaust ventilator dimensions.

Table 1. WSO roof exhaust ventilator dimensions.

D [mm]	e [mm]	g [mm]	a [mm]	A _{ef} [mm]
100	40	30	5	0.006
125	40	30	5	0.009
160	40	30	5	0.016
200	40	30	10	0.025
250	60	30	10	0.038
315	60	30	10	0.062
355	60	30	10	0.079
400	60	30	10	0.100
500	60	30	10	0.163
630	60	40	10	0.262
710	60	40	10	0.336
800	60	40	10	0.430
1000	60	50	10	0.688



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

WSO - <D> - <P> <RAL>

Where:

D	Nominal diameter in mm
P	Finish*
	SO – Steel, galvanised frame; aluminium louvres SL – Steel, painted frame; aluminium painted louvres AL – Painted aluminium frame and louvres SN – Stainless steel frame 1.4301 (acc. to EN 10088), aluminium louvres
RAL	Colour as per RAL (for SL and AL finish)

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

Example of product marking: **WSO-125-SL9010**