

NWMS

SWIRL DIFFUSER WITH FIXED VANES



SMAY

Description:

A round steel swirl diffuser with fixed vanes.

Intended use

NWMS diffusers are designed for low- and medium-pressure ventilation systems. They provide a swirling air supply and are particularly recommended for premises from 2 to 5 m in height.

Design

NWMS diffusers are equipped with fixed vanes that generate the swirling airflow. The front panel of the diffuser is round. NWMS diffusers are made of powder-painted (RAL9010 white) steel. They can also be coated on request in another RAL colour.

Installation

NWMS diffusers can be mounted with a single bolt through a hole located in the central section of the diffuser.



Technical data of the diffusers, including pressure drop, noise level and stream ranges, is available at smay.eu, in the "Flow Characteristics for Grilles and Diffusers" document.

Dimensions

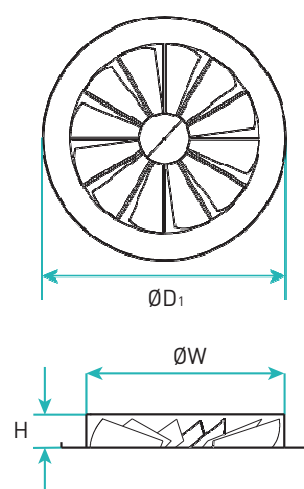


Figure 1. NWMS front panel dimensions.

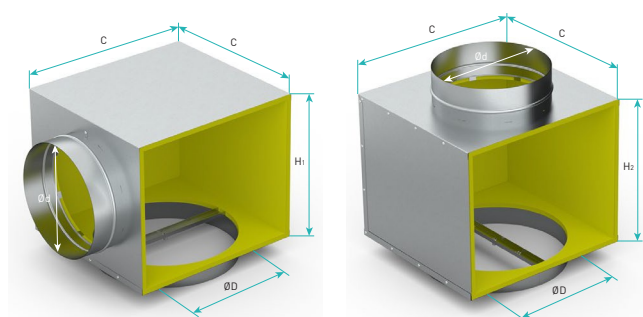


Figure 2. Dimensions of SR rectangular plenum boxes for NWMS diffusers.

Table 1. Standard dimensions of NWMS diffusers and plenum boxes.

Size	ØD ₁ [mm]	ØW [mm]	H [mm]	Ød [mm]	C [mm]	ØD [mm]	H ₁ [mm]	H ₂ [mm]
125	171	122	55	98	248	125	270	220
160	214	157	55	123	248	160	270	220
200	264	197	55	158	298	200	270	220
250	326	247	55	198	348	250	330	280
315	404	312	55	248	398	315	330	280
400	500	397	55	313	498	400	370	280



SN

RAL

SL

NWMS – Swirl diffuser with fixed vanes

When ordering, please provide information in accordance with the following pattern:

NWMS - <D> - SL <RAL> / <ADD>

Where:

D	Diffuser size: 125, 160, 200, 250, 315, 400
SL	Finish: coated steel
RAL	front panel colour as per RAL (RAL9010 by default)*
ADD	Specify additional accessories here **

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

** For more information see the accessories sheet

Sample order: **NWMS-200-SL9010/SRts-270-b158**



Blocks for REVIT software, the selection range and certificates are available at www.smay.pl.

Accessories**

Plenum box as per the configuration below:

SR <I> <W> - <H> - <K> <D> <R>

Where:

I	Insulation*
	None – No insulation
	t – Insulated
W	Screen deflector*
	None – No deflector (default for exhaust)
	s – With a deflector (default for supply)
H	Plenum box height *
K	Connection pipe position *
	b – Side
	g – Top
D	Connection pipe diameter in mm*
R	Damper in a connection pipe*
	None – No damper
	P – Damper adjusted from outside the box
	Pc – Damper adjusted from inside the box with a cord
	Pd – Damper adjusted from inside the box with a lever (for the boxes with no deflector only)