

SDR

ROUND DIFFUSER



Description:
Round steel diffuser with fixed vanes.



Intended use

The SDR ceiling diffusers are designed for use in low- and medium-pressure ventilation systems in public or industrial facilities.

Design

The SDR has a round front panel equipped with fixed vanes. The diffuser is made of powder coated steel in white RAL9010. It can also be coated in another RAL colour on request.

Installation

The SDR diffuser can be mounted with one screw through the hole located in the central part of the diffuser.



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

Dimensions

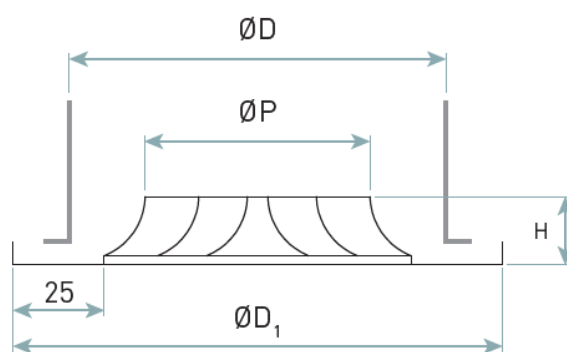


Figure 1. SDR front panel dimensions.

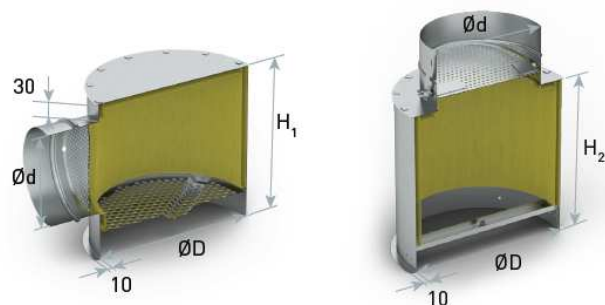


Figure 2. Dimensions of SRR round plenum boxes for SDR panels.

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

Size	ØD ₁	ØP	H	Ød	ØD	H ₁	H ₂
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
1	220	104	28	123	180	270	200
2	270	152	28	158	230	270	200
3	320	200	28	158	280	270	200
4	370	253	28	198	330	330	300
5	420	298	28	198	380	330	300
6	470	348	28	248	430	380	300



SDR – Round diffuser

AIRFLOW CONTROL AND DISTRIBUTION

SL

RAL



SDR – Round diffuser

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

SDR - <W> - SL <RAL> / <ADD>

Where:

W	Diffuser size: 1, 2, 3, 4, 5, 6
SL	Finish: coated steel
RAL	Colour according to the RAL colour chart*
ADD	Specify additional accessories here as follows:

* Optional values – if not specified, default values will be used
 ** For more information on accessories see the accessories sheet

Example of product marking:

SDR-3-SL9010/SRRts-270-b158P



Revit blocks, selection program and approval documents available at www.smay.pl.

Plenum box as per the configuration below:

SRR <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 in mm*
K	Position of spigot *
	b – Side
	g – Top
D	Spigot diameter in mm*
R	Damper in spigot *
	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)