

Diffuser

DWD



Description

Diffuser for supply and exhaust air.
Designed for wall and ceiling mounting.
Fits in duct.
Equipped with a SAFE system rubber gasket.

Materials and finish

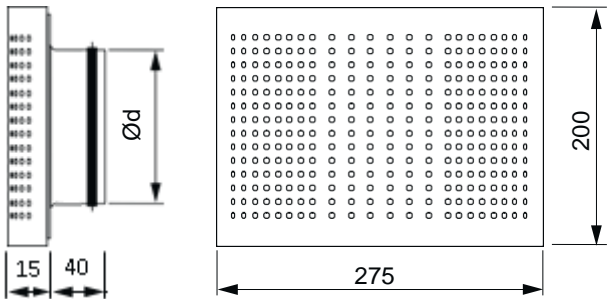
Material

Coated sheet metal.

Colour

White RAL 9003, gloss 30
White RAL 9010, gloss 30
Black RAL 9005, gloss 30

Dimensions



Ød nom	m [kg]
100	0,70
125	0,75

Ordering example

DWD 100 9010

Product	
Dimension Ød	
Colour	

Diffuser

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Technical data

Air flow, q [l/s] and [m³/h],
total pressure drop, Δp_t [Pa],
throw length, $l_{0,2}$ [m], and
A-weighted sound power level, L_{WA} [dB], for different
settings, n [number of open rows],
are shown in the graph.

The setting is made by sealing off rows of holes with tape on the front's inside.

Or using the [INNOW](#) slide-in regulator

Sound power level, L_{Wok} [dB], in octave bands

is calculated as $L_{WA} + K_{ok}$.

K_{ok} is found in the table below.

Ød nom	Diffuser mounted in	Centre frequency [Hz]							
		63	125	250	500	1K	2K	4K	8K
100	Duct	-2	-2	-1	1	0	-4	-13	-14
125	Duct	-4	-4	-3	-2	-2	-2	-1	-7

Sound attenuation, ΔL , [dB]

Ød nom	Diffuser mounted in	n	Centre frequency [Hz]							
			63	125	250	500	1K	2K	4K	8K
100	Duct	14	14	14	9	4	0	1	1	3
		10	15	15	9	5	2	4	3	5
		6	15	15	9	4	4	6	4	7
125	Duct	14	14	14	8	4	0	1	2	4
		10	13	13	8	4	1	4	3	5
		6	13	13	8	5	3	6	5	7

Measurement of air flow

Data is available in a separate brochure.

