Diffuser supply air VTTB

Description

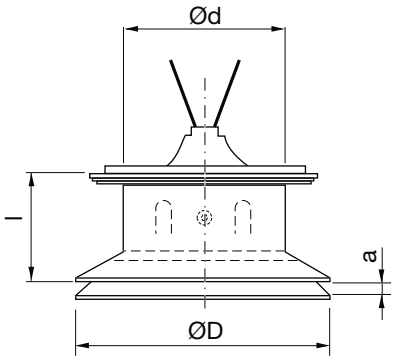
Diffuser for supply air.
Designed with a prolonged neck for ceiling mounting. Is equipped with a fixed blanking-off segment for preventing the air flow in a desired direction.
Spring holders connect to socket VRFU, VRFM or VRR.

Materials and finish

Material
Coated galvanized sheet metal.

Colour
White RAL 9003, gloss 30.

Dimensions



Ød nom	ØD [mm]	l [mm]	m [kg]
100	155	70	0,44
125	185	76	0,60
160	226	83	0,85

Ordering example

	VTTB	125	9003
Product			
Dimension $Ød_1$			
Colour			

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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, a [mm],
are shown in the graphs.

Note! The A-weighted sound power level, L_{WA}, will increase by 3 dB when the valve is mounted in a bend.

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	-7	-7	-4	-5	-5	-13	-20
125	Duct	-1	-2	-3	-3	-4	-7	-13	-16
160	Duct	1	2	-2	-2	-4	-9	-14	-9

Sound attenuation, ΔL, [dB]

Ød nom	Diffuser mounted in	Centre frequency [Hz]							
		63	125	250	500	1K	2K	4K	8K
100	Duct	25	22	17	13	12	11	11	11
125	Duct	25	20	15	12	11	9	9	9
160	Duct	26	17	13	12	11	7	7	8

Air jet diffusion pattern
Maximum vertical width, $b_v = 0{,}1 \times l_{0,2}$ m

Measurement of air flow
Data is available in a separate brochure.