

# Diffuser supply air

# VVTK



## Description

Diffuser for supply air.  
Designed for wall mounting.  
Spring holders connect to socket VRFU, VRFM or VRR.

\* For Ø125 the outer part of the brim of the socket is visible.  
If this is not acceptable the cover plate VVTKR can be used  
to hide the brim.

## Materials and finish

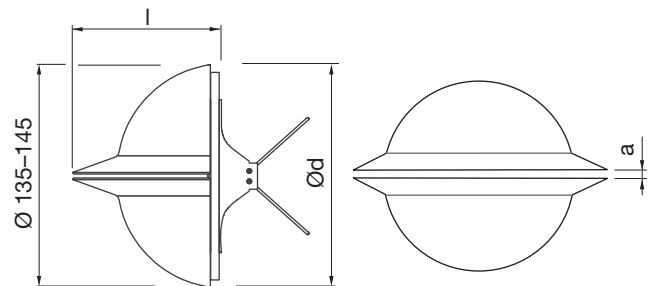
### Material

Coated galvanized sheet metal.

### Colour

White RAL 9003, gloss 30 or white RAL 9010 gloss 30.

## Dimensions



Ød nom	l mm	m kg
100	90	0,31
125 *	90	0,31

## Ordering example

	<b>VVTK</b>	<b>100</b>	<b>9003</b>
Product			
Dimension Ød <sub>1</sub>			
Colour			

# Diffuser supply air

VVTK

## Technical data

Air flow,  $q$  [l/s] and [m<sup>3</sup>/h], total pressure drop,  $\Delta p_t$  [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 graph.

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	-4	-7	-10	-14
125	Duct	-2	-7	-7	-4	-4	-7	-10	-14

## Sound attenuation, $\Delta L$ , [dB]

Ød nom	Diffuser mounted in	Centre frequency [Hz]							
		63	125	250	500	1K	2K	4K	8K
100	Duct	24	20	18	12	10	10	10	10
125	Duct	24	20	18	12	10	10	10	10

## Air jet diffusion pattern

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

Maximum horizontal width,  $b_h = 0,6 \times l_{0,2}$  m

## Measurement of air flow

Data is available in a separate brochure.

