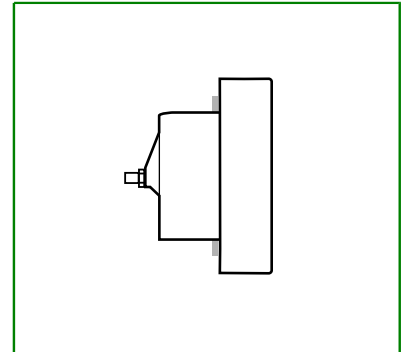


VLC Supply air diffuser



VLC is a supply air diffuser of the low-impulse type. This diffuser is designed for wall-mounting and equipped with an air diffuser made of artificial fibre.

Quick Selection

fully open

Diffuser	Air flow l/s(m ³ /h) at sound level		
	25 dB	30 dB	35 dB
VLC without throttling device	29	34 (122)	41

Product Facts

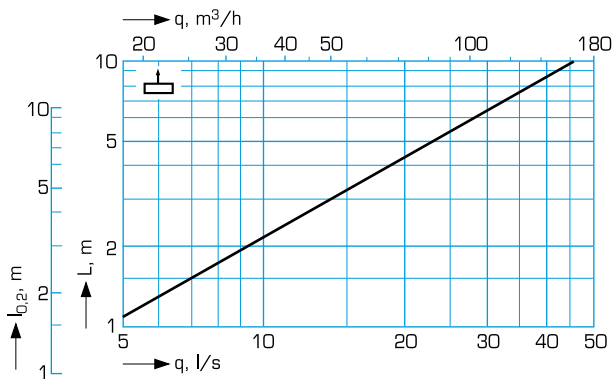
- Designed for wall-mounting.
- Excellent characteristics with regard to noise level, pressure drop and orifice attenuation.
- Manufactured of polypropylene plastic.

Product code example

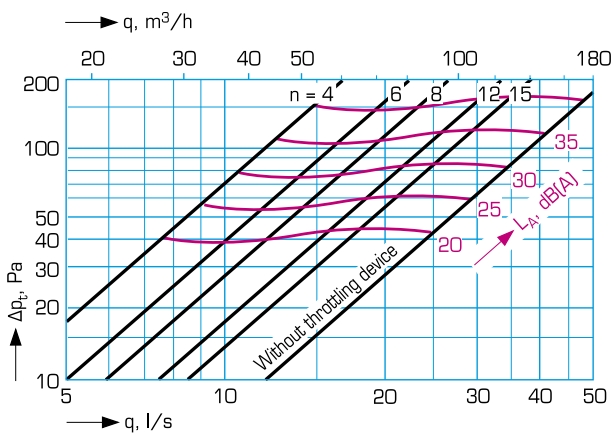
Supply air diffuser VLC-10-1

Application, dimensions, material and product code

Throw and zone length



Throw and zone lengths are indicated for $v = 0.2 \text{ m/s}$



n = number of revolutions open

Sound power level

Size	Correction of sound level in dB at							
	63	125	250	500	1000	2000	4000	8000
10	-5	1	4	1	-2	-3	-7	-14

Sound attenuation

Size	Sound attenuation in dB at							
	63	125	250	500	1000	2000	4000	8000
10	24	19	13	7	4	4	3	6

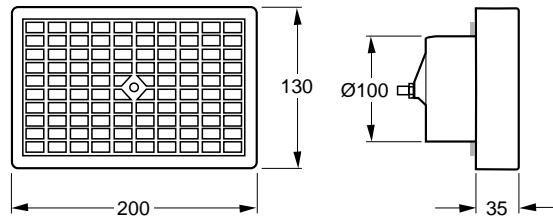
Application

The VLC is a supply air diffuser of the low-impulse type. This diffuser is designed for wall-mounting and equipped with an air diffuser made of artificial fibre. The VLC, which fits a duct connections with a diameter of 100 mm, has an elegant design and excellent characteristics with regard to noise level, pressure drop and orifice attenuation.

Descriptive text

VLC supply air diffuser manufactured by Fläkt Woods, with throttling device, with/without mounting ring.

Dimensions



Adjustment

Remove the plug on the front of the device. Screw the throttling device out or in using the graduated adjustment key (accessory) for the number of revolutions corresponding to the pressure drop and the desired air flow shown in the graph. The pressure drop is checked by introducing the measurement probe (accessory) into the front of the device.

$$q = k \sqrt{\Delta p_m}$$

(l/s) (Pa)

No of rev. open	4	6	8	12	15	No throttling
k-factor	1,19	1,61	1,90	2,43	2,73	3,88

Material

The diffuser is made of polypropylene plastic which is recyclable and withstands temperatures up to 100 °C. It is supplied in white as standard. The device has a measurement outlet point on the front for simple adjustment.

Mounting rings, filters and an adjustment kit are available as accessories.

Maintenance

The front grille is readily removable for replacement or cleaning of the air diffuser (filter). The device and the air diffuser can be wiped down and washed respectively with a mild detergent.. The air diffuser can be washed 5 or 6 times before replacement is required.

Product code

Supply air diffuser
VLC-10-1

Mounting ring (without rubber seal)
VLZ-01-10

Mounting ring (with rubber seal)
VLZ-02-10

Adjustment kit
VLCZ-05-10

Measurement probe, adjustment key and adjustment data.

Additional filter 10-pack
VLC-99-01