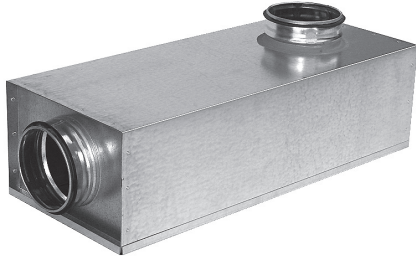


Circular (Rect.) silencer curved low-built

KVDP-90L



Description

Compact angled silencer with good attenuation.

The silencer's measurements makes it suitable for installation above suspended ceilings or where installation space is limited.

The silencer's attenuation material is Acutec® (polyester).

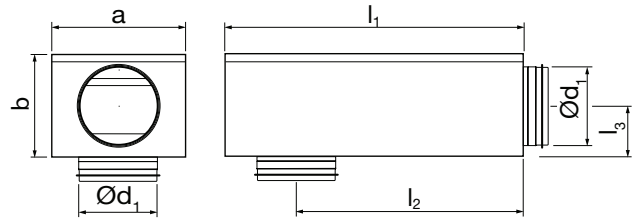
Fullfills tightness class C.

Tested according to ISO 7235 standard.

To select the appropriate silencer and optimize connection size and length for the best performance you can use our online tool lindQST or our free to download software DIMsilencer.

Special materials and sizes, please contact Lindab sales.

Dimensions and sound data



Ød ₁ [mm]	l _{nom} [mm]	l ₁ [mm]	l ₂ [mm]	l ₃ [mm]	a x b [mm]	m [kg]
100	600	626	508	93	252 154	4,1
100	1000	1036	918	93	252 154	6,1
125	600	626	496	105	263 177	4,3
125	1000	1036	906	105	263 177	7,2
160	600	626	478	123	280 212	4,9
160	1000	1036	888	123	280 212	7,2
200	600	626	458	148	361 253	6,3
200	1000	1036	868	148	361 253	9,1

Sound attenuation

Ød ₁ [mm]	l [mm]	Insertion loss [dB] for centre frequency [Hz]							
		63	125	250	500	1k	2k	4k	8k
100	600	12	10	12	19	29	32	30	32
100	1000	13	14	17	25	38	45	46	44
125	600	8	7	10	18	25	21	18	22
125	1000	11	10	14	24	32	31	24	26
160	600	8	6	8	19	23	16	16	20
160	1000	13	7	11	21	27	29	23	27
200	600	7	5	8	18	23	19	19	23
200	1000	9	8	11	23	29	30	25	32

K_{Woct} correction

Ød ₁ [mm]	Correction, K _{Woct} (dB) for centre frequency [Hz]							
	63	125	250	500	1k	2k	4k	8k
100	6	8	6	2	-7	-14	-25	-38
125	9	8	6	3	-7	-16	-25	-37
160	11	8	6	1	-8	-14	-24	-37
200	15	9	6	1	-8	-16	-24	-36
Tol.+/-	3	3	2	2	3	3	3	3

Sound power levels per octave band L_{Woct} are calculated by adding the octave band corrections K_{oct} to the total power level L_{WA} from the graphs.

$$L_{Woct} = L_{WA} + K_{oct}$$

Order code

Product KVDP 90L	KVDP 90L	d	l
Connection dim. Ød₁ Ød ₁ = 100 - 200 mm			
Length (l) in mm l = 600 - 1000 mm			

Example: KVDP 90L - 160 - 1000



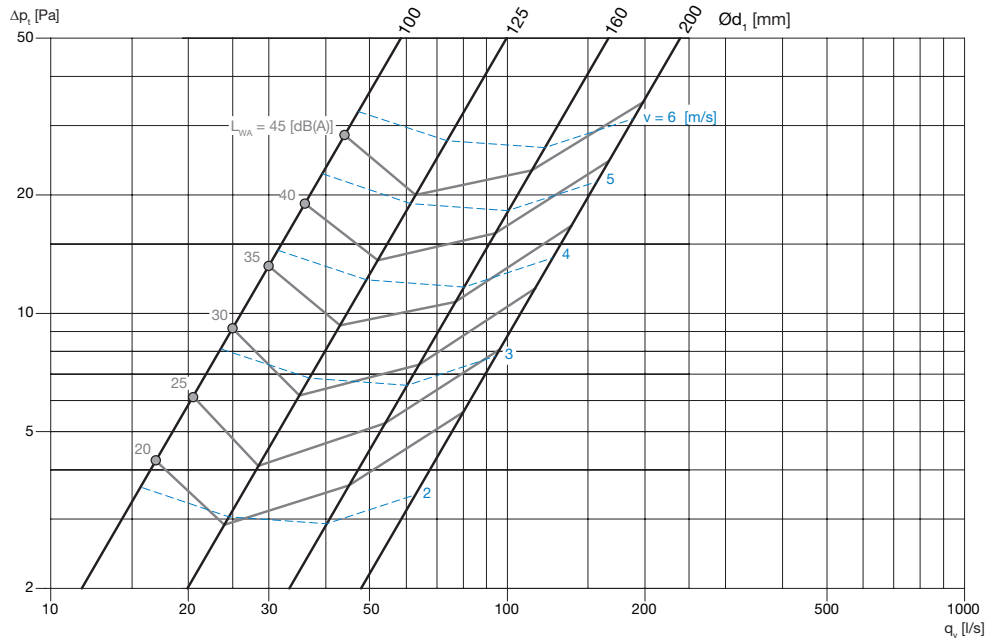
Circular (Rect.) silencer curved low-built

KVDP-90L

Technical data

Pressure loss Δp_t

$l = 600 \text{ mm}$



$l = 1000 \text{ mm}$

