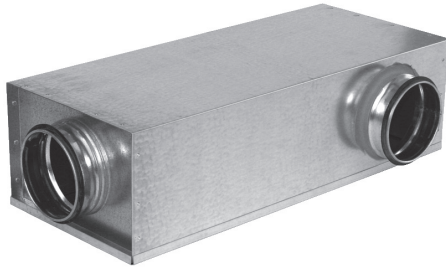


Circular (Rect.) silencer curved low-built

KVDP-90K



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).

Fullfil's 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.

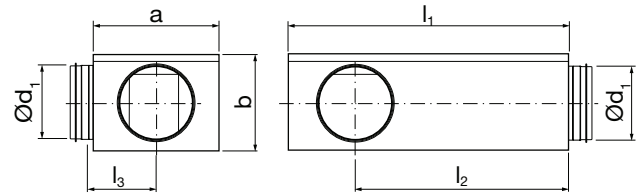
Order code

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

Example: KVDP 90K - 160 - 1000



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	142	252 154	4,4
100	1000	1036	918	142	252 154	6,4
125	600	626	496	149	263 177	4,6
125	1000	1036	906	149	263 177	7,5
160	600	626	478	156	280 212	5,2
160	1000	1036	888	156	280 212	7,5
200	600	626	458	202	361 253	6,8
200	1000	1036	868	202	361 253	9,6

Sound attenuation

Ød ₁ [mm]	l [mm]	Insertion loss [dB] for centre frequency [Hz]							
		63	125	250	500	1k	2k	4k	8k
100	600	11	12	13	21	34	32	27	30
100	1000	13	14	17	25	38	45	46	44
125	600	10	10	11	21	28	21	21	23
125	1000	13	12	15	26	35	31	27	29
160	600	8	8	10	21	21	18	20	21
160	1000	14	11	15	27	34	30	30	31
200	600	7	6	10	23	21	20	21	25
200	1000	10	9	14	27	34	34	30	33

K_{Woct} correction

Ød ₁ [mm]	Correction, K _{Woct} (dB) for centre frequency [Hz]							
	63	125	250	500	1k	2k	4k	8k
100	8	9	6	3	-6	-15	-23	-36
125	11	10	6	1	-7	-13	-22	-34
160	12	8	6	2	-8	-15	-26	-38
200	17	10	6	0	-9	-16	-25	-37
Tol.+/-	3	3	2	3	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.

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

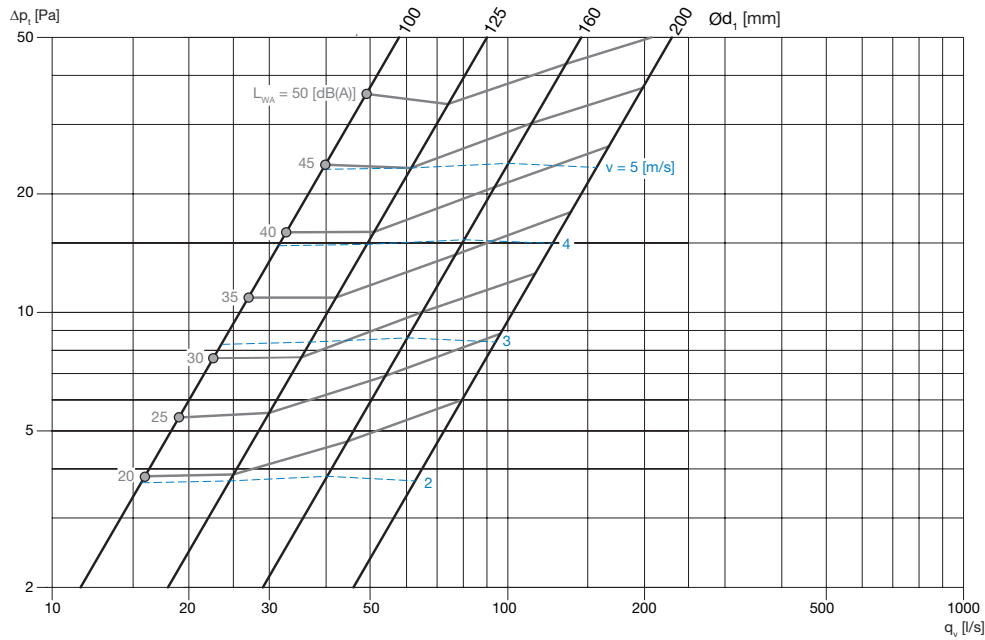
Circular (Rect.) silencer curved low-built

KVDP-90K

Technical data

Pressure loss Δp_t

$l = 600 \text{ mm}$



$l = 1000 \text{ mm}$

