

Circular straight low-built silencer

KVDP



Description

Silencer with circular connection and low installation height. The silencer's attenuation material is Acutec® (polyester). Fulfils tightness class C.

The KVDP comes in 6 different designs. Tested according to ISO 7235 standard.

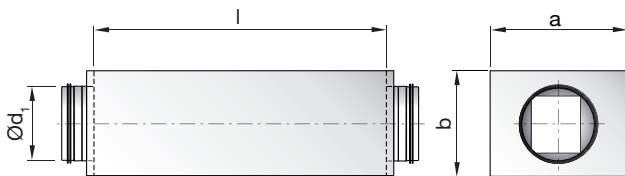
To select the appropriate silencer and optimize connection size and length for the best performance you can use our online tool lindQST or our free to download software DIMsilencer.

Special materials and sizes, please contact Lindab sales.

Design code:

- 0 = Basic attenuator of high quality without options mentioned below.
- 1 = Attenuation material covered by perforated plate.
- 5 = Openable attenuator, cleanable, used as access door, attenuation material covered by perforated plate.
- 6 = Openable attenuator, attenuation material changeable polyester fiber, used as access door.
- 7 = Attenuation material polyester fiber element.
- 8 = Openable attenuator, attenuation material polyester fiber element, changeable attenuation element, used as access door.

Dimensions



Order code

Product	KVDP	Design	0, 1, 5, 6, 7, 8
Connection dim. Ød₁	Ød ₁ = 63-630 mm	Length (l) in mm	l = 300-1250 mm

Example: KVDP - 125 - 1000 - 1



Dimensions and sound data

Design 0, 1, 5 and 6

Ød ₁ [mm]	l [mm]	a x b		Insertion loss [dB] for centre frequency [Hz]								m [kg]
		63	125	250	500	1k	2k	4k	8k			
63*)	300	162	75	1	7	10	13	16	23	21	22	1,1
63*)	600	162	75	5	10	15	19	23	32	33	39	1,9
80*)	300	180	97	1	5	9	9	15	20	16	15	1,3
80*)	600	180	97	5	8	12	15	21	28	31	31	2,1
100	300	252	154	6	5	6	14	15	9	9	10	3,5
100	600	252	154	12	11	13	19	29	26	22	22	5,7
100	1000	252	154	16	14	18	28	39	36	34	38	8,9
125	300	263	177	7	4	7	15	12	8	11	10	3,5
125	600	263	177	14	11	12	20	28	33	32	24	6,1
125	1000	263	177	17	13	14	26	35	38	34	30	9,5
160	300	280	212	6	4	6	15	9	7	10	6	4,1
160	600	280	212	12	6	8	19	29	20	19	19	6,7
160	1000	280	212	15	10	12	25	31	27	27	22	10,1
200	300	361	253	5	3	7	13	8	6	6	6	5,8
200	600	361	253	7	6	11	20	18	12	11	12	8,6
200	1000	361	253	10	10	15	25	31	21	18	19	12,3
250	600	431	303	6	6	11	20	14	13	12	10	10,7
250	1000	431	303	7	9	14	24	25	20	19	16	14,6
315	600	458	368	3	5	11	17	18	16	12	8	13,1
315	1000	458	368	8	8	13	24	33	24	18	15	18,0
400	600	518	453	2	5	8	11	9	8	7	6	18,3
400	1000	518	453	3	7	11	17	15	13	11	9	26,4
500	600	702	555	3	5	9	8	6	7	4	4	26,0
500	1250	702	555	5	8	16	18	13	11	8	9	37,4
630	600	851	684	3	5	9	7	5	3	4	4	33,7
630	1250	851	684	6	8	12	13	11	7	7	6	48,1

*) NOTE !

Only Design 0 comes with small sizes Ød₁ = 63 and 80 mm.

Correction for flow noise (L_{wo})

Correction K_{oct}

Ød ₁ [mm]	Correction, K _{oct} (dB) for centre frequency [Hz]							
	63	125	250	500	1k	2k	4k	8k
63*)	1	5	1	-2	-5	-14	-20	-31
80*)	0	3	2	-1	-7	-12	-17	-28
100	2	5	-1	1	-9	-19	-24	-42
125	7	6	2	0	-9	-15	-21	-41
160	8	3	1	0	-8	-14	-19	-37
200	4	4	4	-1	-9	-13	-20	-31
250	5	3	1	-2	-5	-10	-16	-28
315	7	5	2	-3	-5	-11	-17	-30
400	6	6	2	-1	-7	-14	-20	-35
500	5	5	2	-1	-6	-12	-21	-34
630	5	5	2	-1	-6	-13	-19	-34
Tol.+/-	3	3	2	3	3	4	3	4

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.

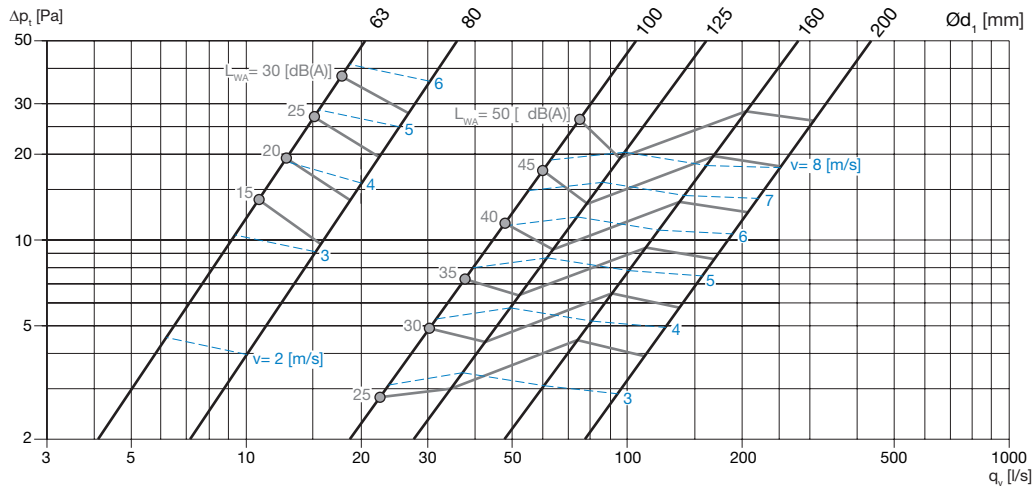
$$L_{woct} = L_{wa} + K_{oct}$$

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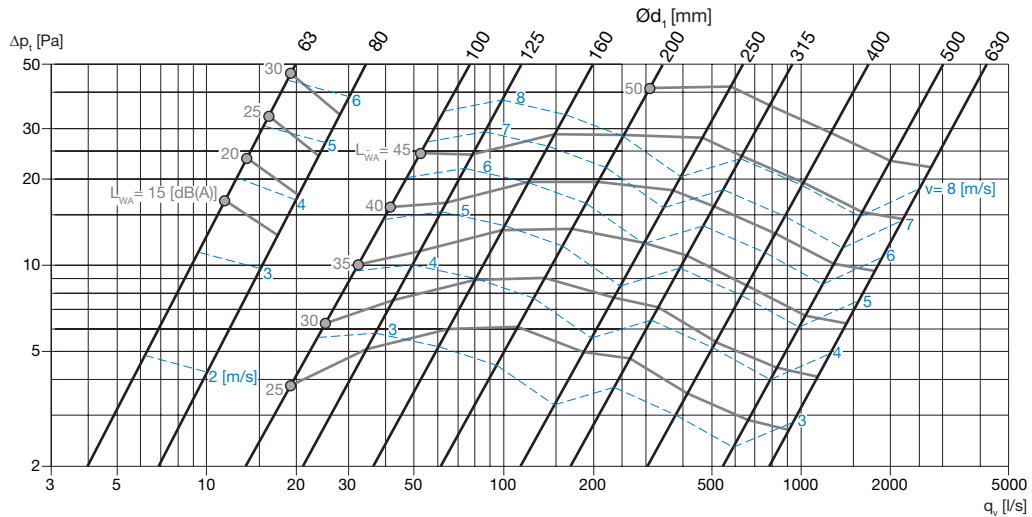
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Technical data - Design 0, 1, 5 and 6

Length (l) 300 mm

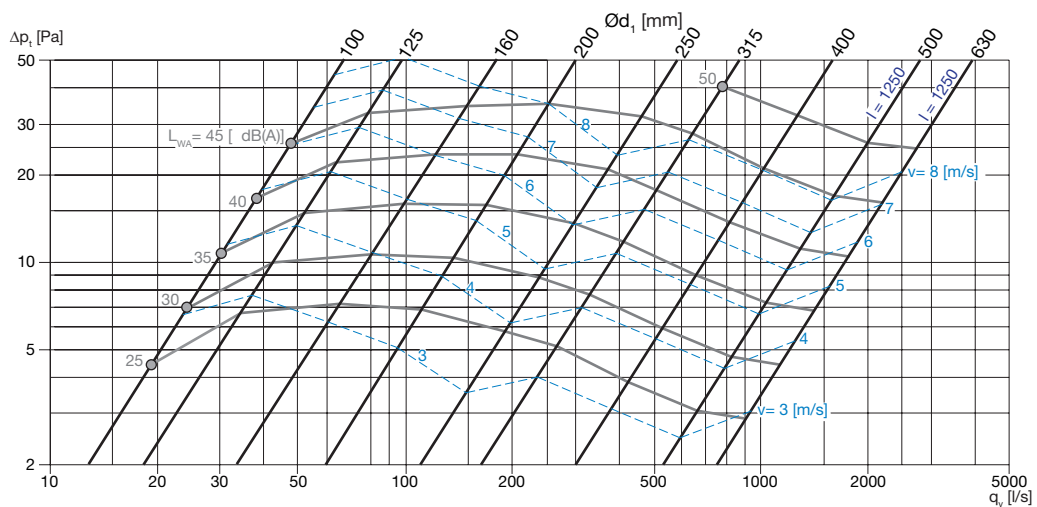


Length (l) 600 mm



Length (l) 1000, 1250 mm

($\varnothing d_1 = 500, 630 \Rightarrow (l) = 1250$ mm)

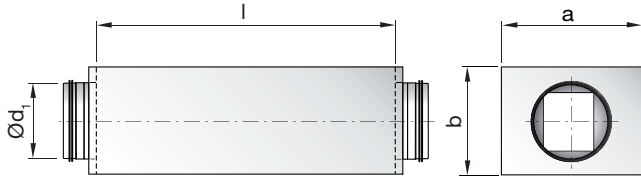


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Dimensions and sound data

Design 7 and 8



Ød ₁ [mm]	l [mm]	a x b [mm] [mm]		Insertion loss [dB] for centre frequency [Hz]								m [kg]
				63	125	250	500	1k	2k	4k	8k	
125	300	263	177	6	7	7	14	19	15	14	10	3,8
125	600	263	177	13	10	11	17	26	28	29	21	6,7
125	1000	263	177	17	12	15	26	36	37	40	34	10,5
160	300	280	212	4	6	6	11	16	10	8	9	4,5
160	600	280	212	14	8	10	16	23	24	18	21	7,5
160	1000	280	212	16	12	15	22	33	35	29	28	11,4
200	300	361	253	4	3	5	11	11	7	6	7	6,3
200	600	361	253	9	6	8	15	19	21	14	15	9,5
200	1000	361	253	10	8	12	20	25	25	21	21	13,9

Correction for flow noise (L_{wo})

Correction K_{oct}

Ød ₁ [mm]	Correction, K _{oct} (dB) for centre frequency [Hz]							
	63	125	250	500	1k	2k	4k	8k
125	7	8	5	-2	-11	-22	-30	-40
160	9	10	4	-3	-13	-25	-32	-42
200	10	10	4	-3	-14	-26	-33	-43
Tol.+/-	3	2	1	2	4	5	4	4

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.

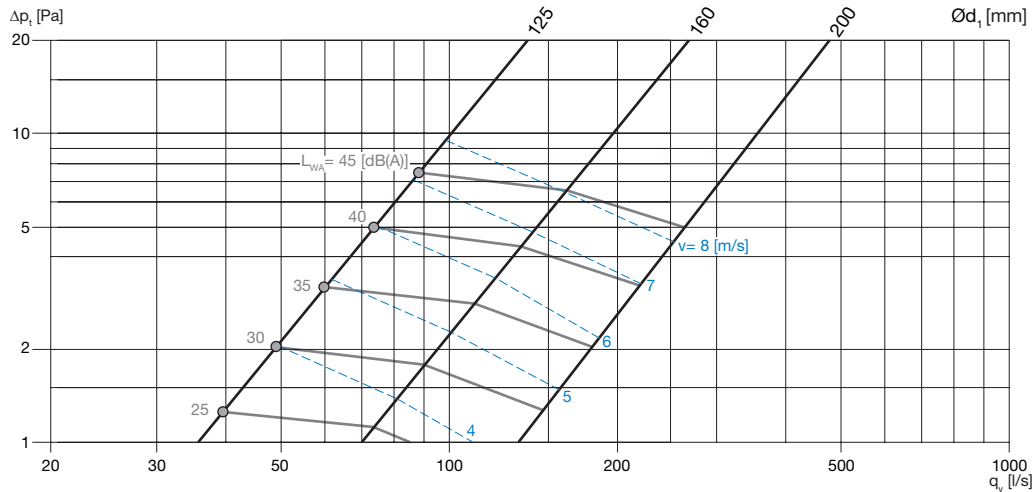
$$L_{woct} = L_{WA} + K_{oct}$$

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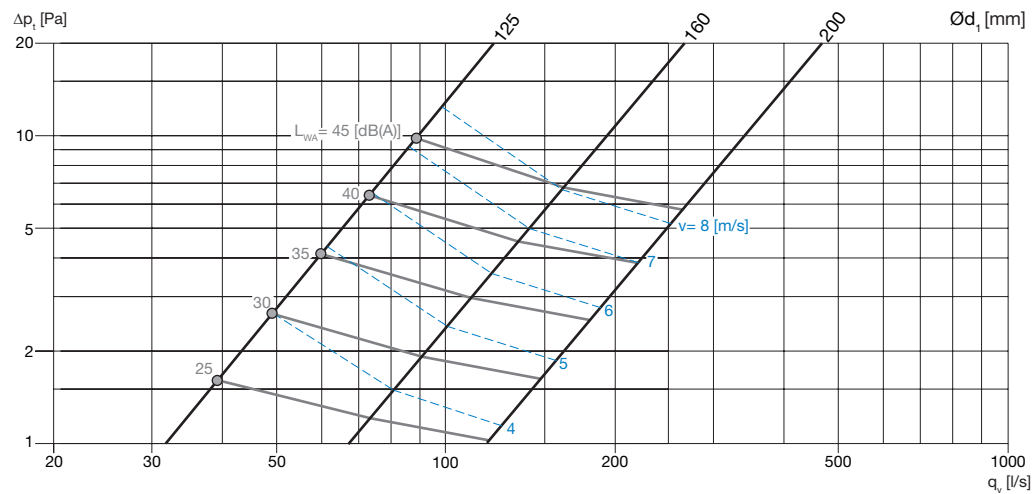
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Technical data - Design 7 and 8

Length (l) 300 mm



Length (l) 600 mm



Length (l) 1000, 1250 mm

