

Circular straight low-built silencer KVAP



Description

Silencer with circular connection and low installation height.

The silencer's attenuation material is glass wool.

Fulfills tightness class C.

The KVAP comes in 2 different designs.

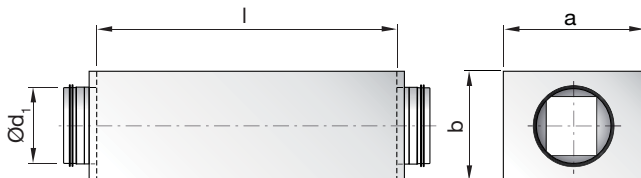
Tested according to ISO 7235 standard.

Special materials and sizes, please contact Lindab sales.

Design code:

- 1 = Attenuation material covered by perforated plate.
- 5 = Openable attenuator, cleanable, used as access door, attenuation material covered by perforated plate.

Dimensions



Order code

Product	KVAP	160	600	5
Connection dim. Ød₁				
Length in mm				
Design				

Ød₁ = 100-630 mm
l = 300-1250 mm

Example: KVAP - 160 - 600 - 5

Dimensions and sound data

Design 1 and 5

Ød ₁ mm	l mm	a x b mm		Insertion loss [dB] for centre frequency [Hz]								m kg
				63	125	250	500	1k	2k	4k	8k	
100	300	252	154	6	6	9	18	21	26	25	20	3,7
100	600	252	154	6	11	14	30	48	50	46	44	6,2
100	1000	252	154	14	13	21	45	50	46	44	42	9,7
125	300	263	177	5	6	7	18	19	22	23	16	3,8
125	600	263	177	10	10	12	30	45	45	39	24	6,7
125	1000	263	177	11	12	15	40	50	50	46	44	10,5
160	300	280	212	5	3	5	15	16	18	18	11	4,5
160	600	280	212	12	6	11	30	41	43	39	24	7,5
160	1000	280	212	16	8	16	47	48	48	49	34	11,4
200	300	361	253	6	4	8	11	13	14	10	10	6,3
200	600	361	253	9	6	15	23	30	35	23	18	9,5
200	1000	361	253	15	9	22	40	41	44	36	27	13,9
250	600	431	303	7	6	13	19	25	28	19	13	11,9
250	1000	431	303	8	8	21	30	42	44	27	17	16,6
315	600	458	368	5	5	9	13	21	22	14	9	14,6
315	1000	458	368	9	9	18	26	38	37	22	14	20,5
400	600	518	453	3	4	9	12	18	13	9	8	18,3
400	1000	518	453	3	7	15	21	31	20	12	11	26,4
500	600	702	555	2	5	8	12	12	8	6	3	26,0
500	1250	702	555	5	10	14	25	28	16	13	12	37,4
630	600	851	684	3	5	6	9	9	6	6	4	33,7
630	1250	851	684	5	9	11	19	20	13	9	5	48,1

Correction for flow noise (L_{W0})

Correction K_{Oct}

Ød ₁ mm	Correction, K _{Oct} (dB) for centre frequency [Hz]							
	63	125	250	500	1k	2k	4k	8k
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.

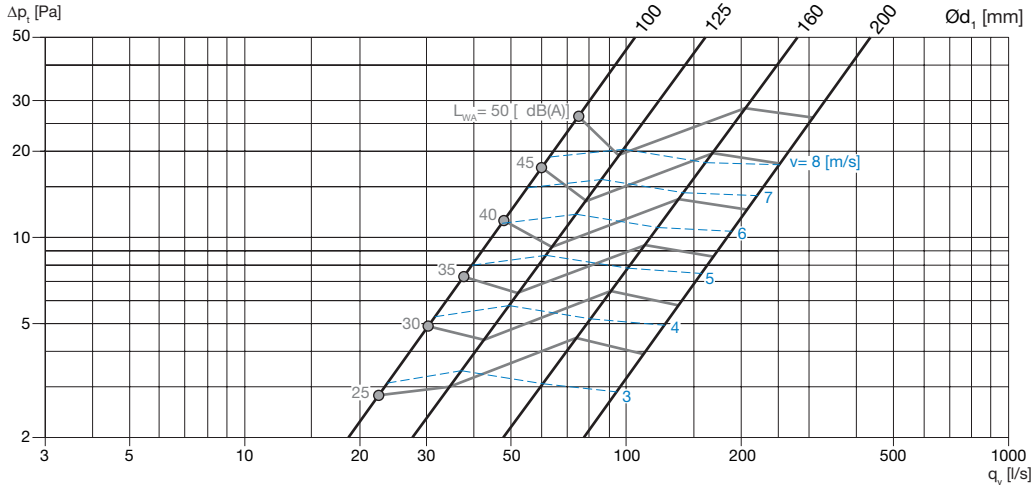
$$L_{WOct} = L_{WA} + K_{Oct}$$



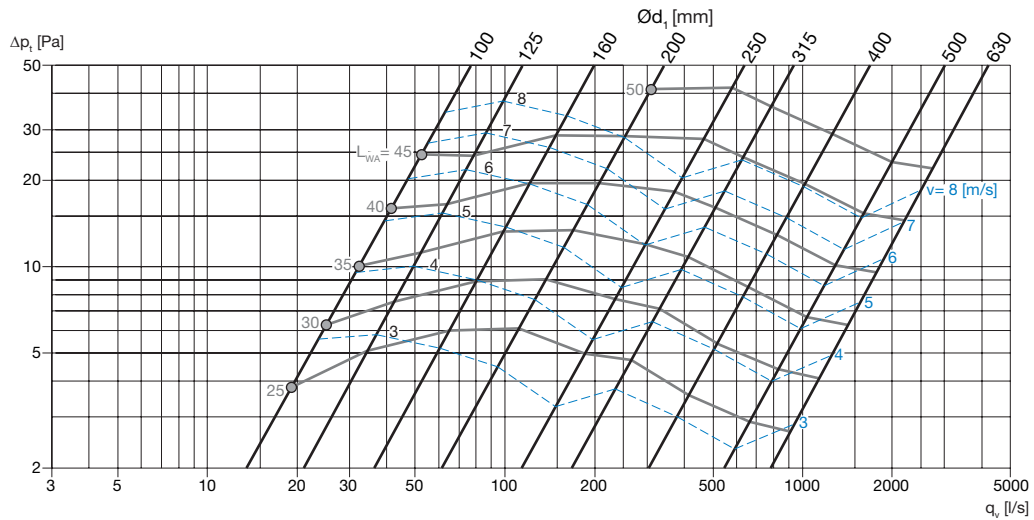
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Technical data - Design 1 and 5

Length (l) 300 mm



Length (l) 600 mm



Length (l) 1000, 1250 mm

($\text{Ø}d_1 = 500, 630 \Rightarrow (l) = 1250$ mm)

