MALCON MARINE AND LAND CONSTRUCTION

Circular straight low-built silencer KVAP



Description

Silencer with circular connection and low installation height.

The silencer's attenuation material is glass wool.

Fulfils tightness class C.

The KVAP comes in 2 different designs.

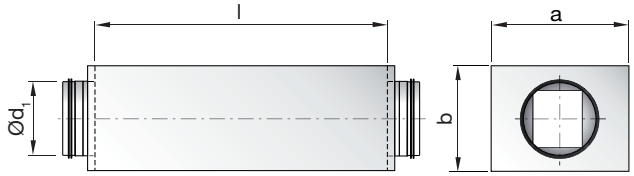
Tested according to ISO 7235 standard.

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:

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
Connection dim. Ød1 Ød1 = 100-630 mm
Length (l) in mm l = 300-1250 mm
Design 1, 5

KVAP - d - l - 5

Example: KVAP - 160 - 600 - 5

EUROVENT CERTIFIED PERFORMANCE DUCT-MC Identification number 17.11.002 www.eurovent-certification.com

Dimensions and sound data

Design 1 and 5

Ød1 [mm]	l [mm]	a x b [mm]		Insertion loss [dB] for centre frequency [Hz] 63	125	250	500	1k	2k	4k	8k	m [kg]
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_{WO})

Correction K_{oct}

Ød1 [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**

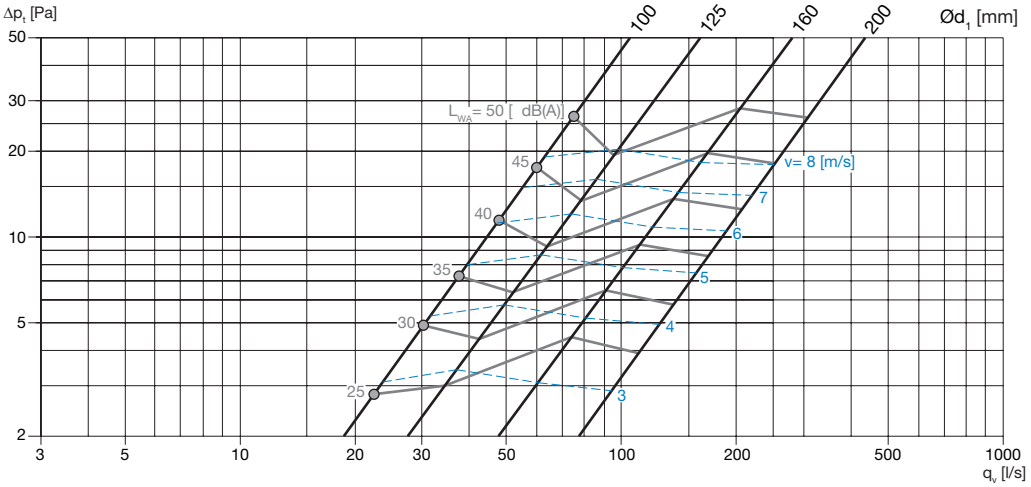
Sound power levels per octave band L_{Woct} are calculated by adding the octave band corrections K_{oct} to the total power level L_{WA} from the graphs.

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

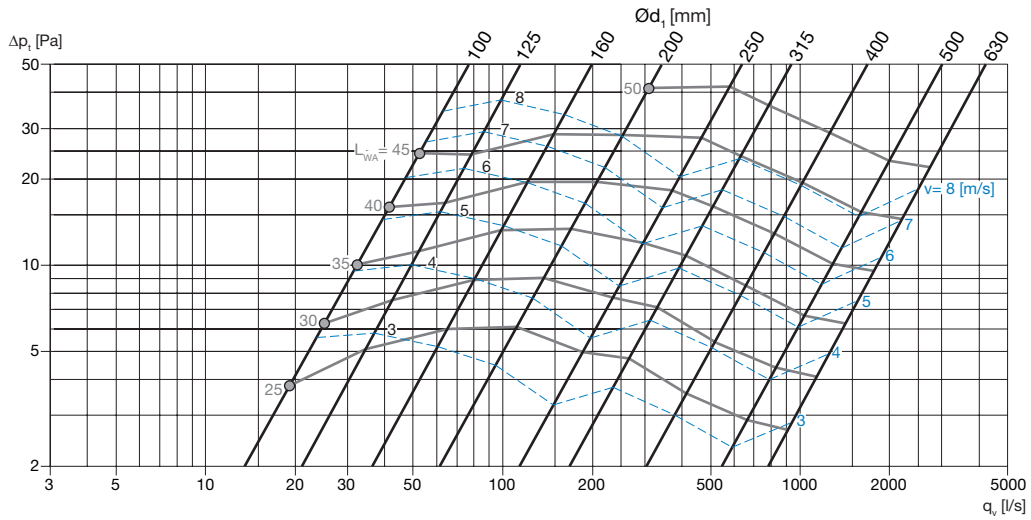
Circular straight low-built silencer KVAP

Technical data - Design 1 and 5

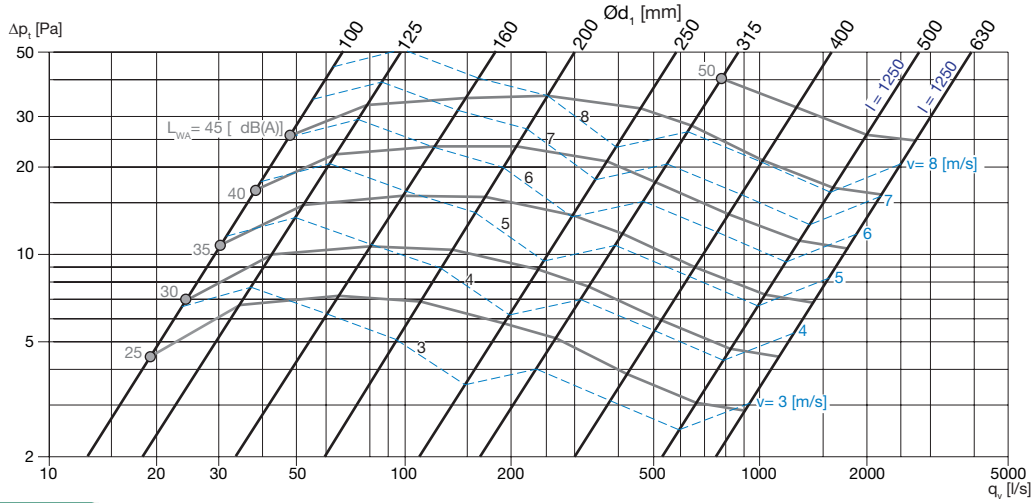
Length (l) 300 mm



Length (l) 600 mm



Length (l) 1000, 1250 mm **(Ød$_1$ = 500, 630 => (l) = 1250 mm)**



EUROVENT CERTIFIED PERFORMANCE
DUCT-MC
Identification number 17.11.002
www.eurovent-certification.com

We reserve the right to make changes
2019-04-08