

Circular straight silencer

PVA



Description

PVA is a circular straight silencer.

Nominal insulation thicknesses are 50 or 100 or 150 mm.

Attenuation material is mineral wool. The PVA's are made from galvanized steel sheet and an inner tube made of sheet steel with small openings to be able to withstand mechanical cleaning and at the same time not interfere with the insertion loss. The space between them is filled with mineral wool and a nonwoven cloth is inserted between inner tube and the attenuation material, to prevent fibres from the insulation getting into the duct system. Silencer can be cleaned by rotating nylon brushes, vacuum cleaner or damp cloth.

Tested according to ISO 7235 standard. Fulfills tightness class C.

Special materials, sizes and flanges on request. Please contact Lindab sales.

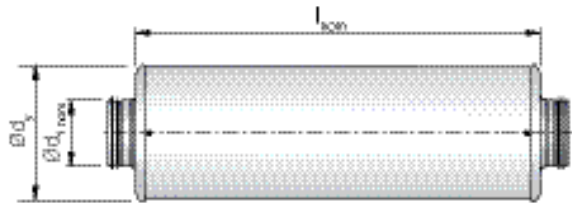
Order code

Product	PVA	d	l	t
PVA				
Connection (d) in mm ($\varnothing_{d_{1\text{nom}}}$)				
100 – 500 mm (50 mm insulation)				
100 – 1250 mm (100 mm insulation)				
1400 – 1600 mm (150 mm insulation)				
Length (l), in mm (l_{nom})				
300 – 1500 mm (50 mm insulation)				
300 – 2500 mm (100 mm insulation)				
1000 – 3200 mm (150 mm insulation)				
Insulation thickness (t) in mm				
50, 100 or 150 mm				

Example: PVA - 315 - 900 - 100

Technical data for silencer with 50 mm insulation

Dimensions and sound data for silencer with 50 mm insulation.



$\varnothing d_1$ [nom]	l [nom]	Insertion loss [dB] for centre frequency [Hz]								$\varnothing d_1$ [mm]	m [kg]
		63	125	250	500	1k	2k	4k	8k		
100	300	1	5	8	12	25	25	18	12	197	1,9
100	600	3	8	12	19	43	44	31	16	197	3,4
100	900	4	10	19	31	50	47	38	23	197	4,8
100	1200	5	13	23	38	50	45	38	30	197	6,3
125	300	1	3	4	10	23	20	13	7	220	2,2
125	600	3	6	10	19	41	39	25	15	220	3,9
125	900	4	9	14	24	50	46	34	17	220	5,4
125	1200	5	11	18	33	50	44	38	21	220	7,0
160	300	1	2	5	10	18	14	10	7	276	3,0
160	600	2	5	10	15	34	22	15	11	276	4,8
160	900	3	6	13	21	41	33	21	13	276	6,9
160	1200	4	7	14	26	49	41	24	15	276	8,9
200	300	0	1	4	7	16	13	9	7	302	3,3
200	600	3	5	9	13	33	22	14	11	302	5,5
200	900	4	6	12	18	41	29	18	12	302	7,7
200	1200	5	7	14	24	47	36	21	14	302	10,0
250	600	1	3	5	12	29	16	12	8	352	6,7
250	900	2	4	8	17	37	22	16	11	352	9,2
250	1200	3	6	12	21	38	26	18	11	352	12,0
315	600	0	2	5	10	23	13	11	8	417	8,0
315	900	2	3	8	14	33	16	14	11	417	11,0
315	1200	3	5	10	19	41	18	17	13	417	14,0
400	600	0	1	4	9	16	11	10	6	505	13,0
400	900	1	3	7	12	15	11	11	9	505	19,0
400	1200	2	3	8	16	28	16	15	10	505	23,0
400	1500	2	4	9	20	31	17	15	11	505	29,0
500	600	0	1	3	9	11	12	10	3	605	16,0
500	900	1	1	5	13	14	15	12	4	605	22,0
500	1200	1	2	6	16	18	16	14	5	605	28,0
500	1500	2	3	8	19	21	17	18	6	605	35,0

LindQST

To select the appropriate silencer and optimize connection size and length for the best performance you can use our online tool [lindQST](http://www.lindQST.com) or our free to download software DIMsilencer. Visit www.lindQST.com.

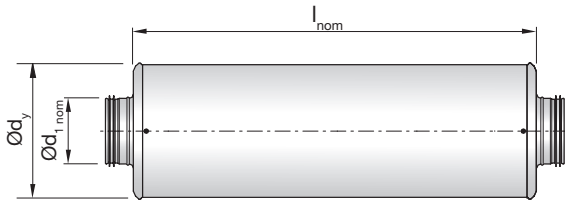


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Technical data for silencer with 100 and 150 mm insulation

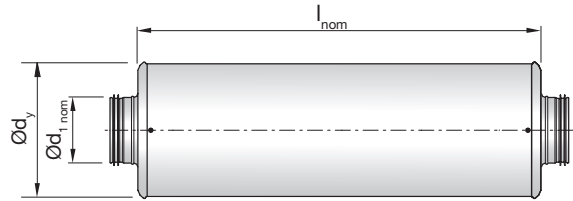
Dimensions and sound data for silencer with 100 mm insulation.



Ød ₁ [nom]	l [nom]	Insertion loss [dB] for centre frequency [Hz]								Ød _y [mm]	m [kg]
		63	125	250	500	1k	2k	4k	8k		
100	300	4	9	13	21	23	23	17	13	305	3,8
100	600	6	13	21	37	47	44	30	17	305	6,0
100	900	8	15	27	38	50	46	36	21	305	8,1
100	1200	10	21	35	45	50	48	38	30	305	11,0
125	300	3	7	12	17	19	19	14	8	330	4,2
125	600	6	10	18	31	35	38	25	14	330	6,0
125	900	6	13	24	41	50	46	33	18	330	9,5
125	1200	7	16	28	45	50	48	35	19	330	12,0
160	300	2	6	9	15	16	15	11	8	365	4,9
160	600	4	8	15	30	33	27	17	12	365	7,5
160	900	6	11	19	39	46	39	23	14	365	10,0
160	1200	7	14	24	44	49	48	28	17	365	13,0
200	300	2	5	8	14	15	13	10	7	405	5,5
200	600	3	7	12	25	28	24	14	12	405	8,6
200	900	4	9	17	36	41	32	19	13	405	12,0
200	1200	5	10	21	40	50	40	22	15	405	15,0
250	600	2	5	11	24	24	18	12	9	455	11,0
250	900	3	7	15	33	36	25	17	11	455	14,0
250	1200	4	9	19	38	45	31	18	12	455	18,0
315	600	2	4	10	20	19	14	12	8	520	15,0
315	900	3	6	14	26	26	17	14	11	520	20,0
315	1200	3	7	18	30	31	19	16	12	520	26,0
400	600	1	3	9	16	15	11	10	6	605	17,0
400	900	2	5	13	23	20	14	14	8	605	24,0
400	1200	3	5	16	30	27	16	15	10	605	31,0
400	1500	3	7	19	39	32	19	16	12	605	37,0
500	600	1	3	8	14	12	13	10	3	705	21,0
500	900	2	3	11	19	16	16	12	4	705	28,0
500	1200	2	5	14	25	20	17	13	5	705	36,0
500	1500	2	5	16	31	23	18	17	7	705	44,0
630	600	1	2	7	12	8	5	6	2	835	26,0
630	900	1	3	10	16	12	7	8	3	835	35,0
630	1200	2	4	12	20	14	10	11	4	835	44,0
630	1500	2	4	15	25	16	12	14	5	835	54,0
710	710	1	2	6	11	7	5	5	2	915	34,0
710	1000	1	2	8	14	9	7	7	2	915	47,0
710	1200	2	4	10	17	12	9	9	4	915	42,0
710	1420	2	4	11	18	13	10	10	4	915	60,0

Ød ₁ [nom]	l [nom]	Insertion loss [dB] for centre frequency [Hz]								Ød _y [mm]	m [kg]
		63	125	250	500	1k	2k	4k	8k		
710	1500	3	5	12	19	14	11	11	5	915	63,0
710	2000	3	6	16	25	19	15	15	6	915	85,0
800	800	2	3	7	9	6	4	4	3	1005	40,0
800	1000	2	3	8	11	7	5	5	4	1005	48,0
800	1200	2	4	10	14	9	7	7	5	1005	56,0
800	1500	2	5	13	19	13	10	10	7	1005	68,0
800	1600	2	5	13	20	13	10	10	7	1005	72,0
800	2000	4	8	22	37	24	19	19	13	1005	120,0
900	900	0	3	8	10	5	5	5	6	1105	48,0
900	1000	1	4	9	12	6	6	6	6	1105	53,0
900	1200	1	4	11	14	7	7	6	6	1105	63,0
900	1500	1	4	12	14	7	6	5	5	1105	69,0
900	1800	1	4	14	20	10	8	6	5	1105	89,0

Dimensions and sound data for silencer with 150 mm insulation.



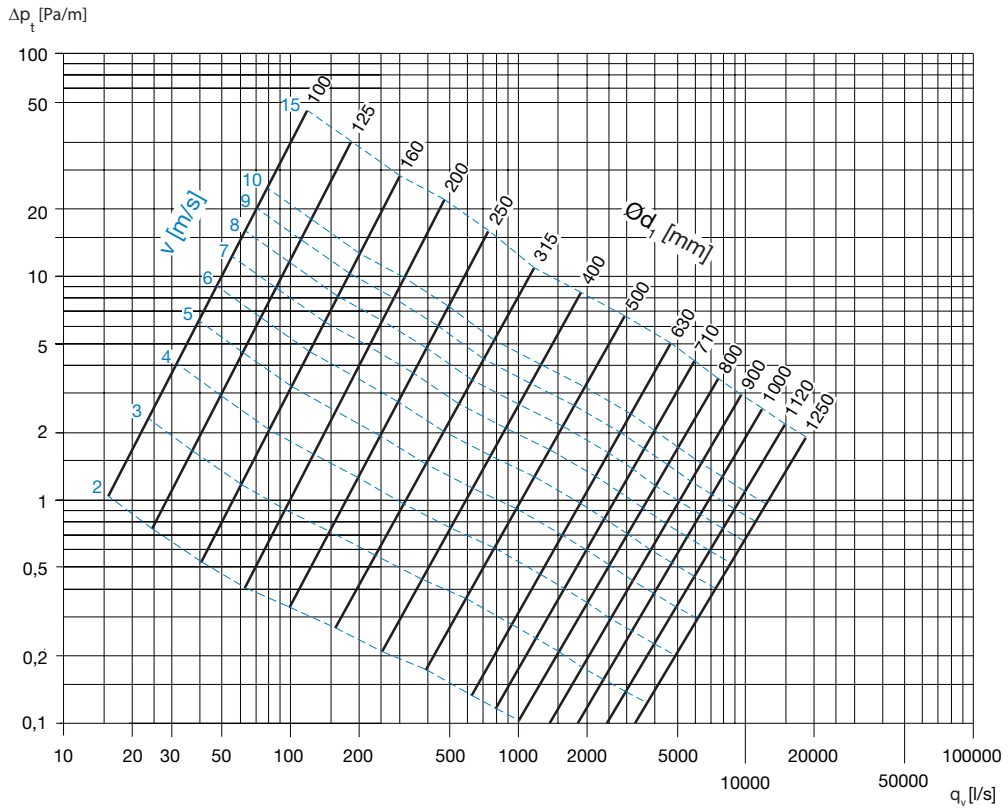
Ød ₁ [nom]	l [nom]	Insertion loss [dB] for centre frequency [Hz]								Ød _y [mm]	m [kg]
		63	125	250	500	1k	2k	4k	8k		
1400	1000	1	5	7	4	3	3	2	2	1707	171
1400	1200	1	6	8	5	4	4	2	2	1707	189
1400	1400	1	6	9	6	4	4	2	2	1707	208
1400	1500	1	6	9	6	4	4	2	2	1707	274
1400	2000	2	8	13	9	6	6	3	3	1707	264
1400	2500	3	10	17	12	8	8	4	4	1707	311
1400	2800	3	10	18	13	8	8	4	4	1707	339
1600	1000	1	4	6	4	3	2	2	2	1907	222
1600	1200	1	5	7	5	4	3	2	2	1907	251
1600	1500	1	5	8	6	4	3	2	2	1907	280
1600	1600	1	5	8	6	4	3	2	2	1907	292
1600	2000	2	6	10	8	5	4	3	3	1907	339
1600	2500	3	7	12	10	7	6	4	3	1907	397
1600	3200	3	8	15	13	8	7	4	3	1907	479



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Pressure loss for silencer with 50 and 100 mm insulation



Pressure loss for silencer with 150 mm insulation

