

Circular straight silencer with pod

PVDP



Description

PVDP is a circular straight silencer with pod.

Nominal insulation thicknesses are 50 or 100 or 150 mm.

Attenuation material is Acutec® polyester. The PVDP's are made from galvanizes 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. Silencer can be cleaned by rotating nylon brushes, vacuum cleaner or damp cloth.

Tested according to ISO 7235 standard.

Fulfils tightness class C.

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

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

Order code

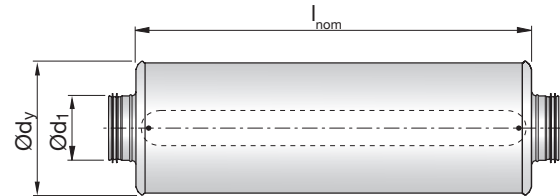
Product	PVDP	d	l	t
PVDP				
Connection (d) in mm ($\varnothing d_{1nom}$)				
250 - 500 mm (50 mm insulation)				
250 - 1250 mm (100 mm insulation)				
1400 - 1600 mm (150 mm insulation)				
Length (l) in mm (l_{nom})				
600 - 1500 mm (50 mm insulation)				
600 - 2500 mm (100 mm insulation)				
1000 - 3200 mm (150 mm insulation)				
Insulation thickness (t) in mm				
50, 100 or 150 mm				

Example: PVDP - 315 - 900 - 100



Technical data for silencer with 50 mm insulation.

Dimensions and sound data for silencer with 50 mm insulation.



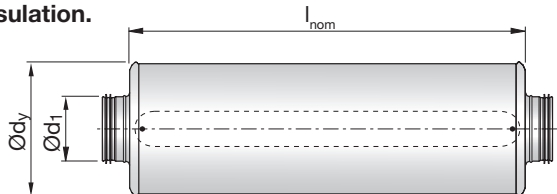
$\varnothing d_{1nom}$ [mm]	l_{nom} [mm]	Insertion loss [dB] for centre frequency [Hz]								$\varnothing d_y$ [mm]	m [kg]
		63	125	250	500	1k	2k	4k	8k		
250	600	1	4	6	10	19	30	22	19	352	7,6
250	900	2	5	9	13	25	39	29	24	352	10,0
250	1200	2	6	12	19	32	47	36	28	352	13,0
315	600	1	3	6	9	21	29	21	18	417	9,6
315	900	2	5	8	12	25	36	27	23	417	13,0
315	1200	2	6	11	15	30	42	33	27	417	16,0
400	600	1	3	5	8	21	27	18	16	505	15,0
400	900	2	4	8	12	26	32	24	19	505	21,0
400	1200	2	5	10	17	31	38	28	23	505	27,0
400	1500	3	7	13	21	35	38	32	27	505	33,0
500	600	1	2	5	9	20	25	17	11	605	20,0
500	900	1	4	7	14	23	32	21	15	605	27,0
500	1200	2	5	10	18	29	36	24	18	605	33,0
500	1500	2	6	12	20	35	42	28	21	605	41,0

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Technical data for silencer with 100 mm insulation.

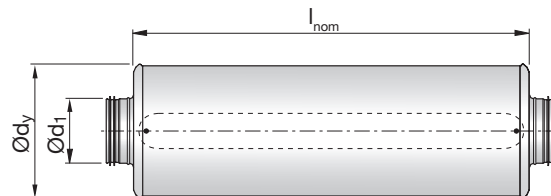
Dimensions and sound data for silencer with 100 mm insulation.



Insertion loss [dB] for centre frequency [Hz]											
$\varnothing d_1$ nom [mm]	l_{nom} [mm]	63	125	250	500	1k	2k	4k	8k	$\varnothing d_y$ [mm]	m [kg]
250	600	3	7	10	16	29	29	25	20	455	11
250	900	4	9	15	21	37	39	34	25	455	15
250	1200	5	12	19	25	43	47	43	29	455	19
315	600	2	6	10	15	30	26	24	19	520	17
315	900	4	9	13	21	36	36	31	25	520	21
315	1200	5	11	17	26	40	41	38	30	520	29
400	600	2	5	8	13	31	24	21	16	605	19
400	900	3	7	12	20	35	34	27	20	605	26
400	1200	4	9	16	24	36	39	32	24	605	33
400	1500	5	12	20	29	39	39	35	28	605	40
500	600	2	4	7	14	28	22	20	11	705	24
500	900	3	6	11	19	32	29	23	15	705	32
500	1200	3	8	14	24	36	35	27	19	705	40
500	1500	4	9	17	27	39	41	31	22	705	49
630	600	1	3	6	14	18	14	14	8	835	31
630	900	2	5	9	18	26	18	19	10	835	40
630	1200	3	6	12	21	34	23	22	13	835	50
630	1500	3	8	14	23	39	28	23	14	835	61
710	710	1	3	7	14	14	9	9	10	915	38
710	1000	2	5	9	17	21	12	11	12	915	52
710	1200	2	5	10	19	25	14	12	12	915	59
710	1420	3	6	11	20	28	15	13	13	915	66
710	1500	3	6	11	21	29	16	13	13	915	69
710	2000	4	7	13	24	35	19	15	14	915	89
800	800	2	5	9	18	18	14	14	12	1005	48
800	1000	3	6	11	20	22	17	16	13	1005	57
800	1200	3	7	13	22	26	19	17	14	1005	65
800	1500	4	8	16	26	32	23	19	16	1005	74
800	1600	4	8	17	27	34	24	19	16	1005	83
800	2000	5	9	21	32	42	29	21	18	1005	93
900	900	2	5	9	18	17	14	13	12	1105	56
900	1000	2	5	10	19	18	15	13	12	1105	60
900	1200	2	6	12	22	21	16	14	13	1105	70
900	1500	3	7	15	27	26	17	15	14	1105	78
900	1800	3	8	18	31	30	19	16	15	1105	99
900	2000	3	9	20	34	33	20	17	16	1105	124
1000	1000	2	4	10	19	17	13	12	12	1205	68
1000	1200	2	5	12	22	20	14	13	13	1205	79
1000	1500	3	6	15	26	24	16	15	14	1205	95
1000	2000	3	7	19	32	30	19	17	16	1205	121
1120	1000	2	4	9	19	14	13	12	11	1325	85
1120	1120	2	4	10	20	15	14	12	11	1325	87
1120	1200	2	4	11	21	16	14	12	11	1325	88
1120	1500	2	5	13	24	19	16	13	12	1325	93
1120	2000	3	7	16	29	25	19	14	13	1325	101
1120	2240	3	8	18	32	28	20	15	14	1325	105
1250	1000	1	3	9	18	13	12	10	9	1455	77
1250	1250	1	4	11	20	15	13	11	10	1455	126
1250	1500	1	5	13	22	17	14	12	11	1455	175
1250	2000	2	6	17	27	22	17	13	12	1455	199
1250	2500	3	8	21	32	26	19	14	13	1455	223

Technical data for silencer with 150 mm insulation.

Dimensions and sound data for silencer with 150 mm insulation.



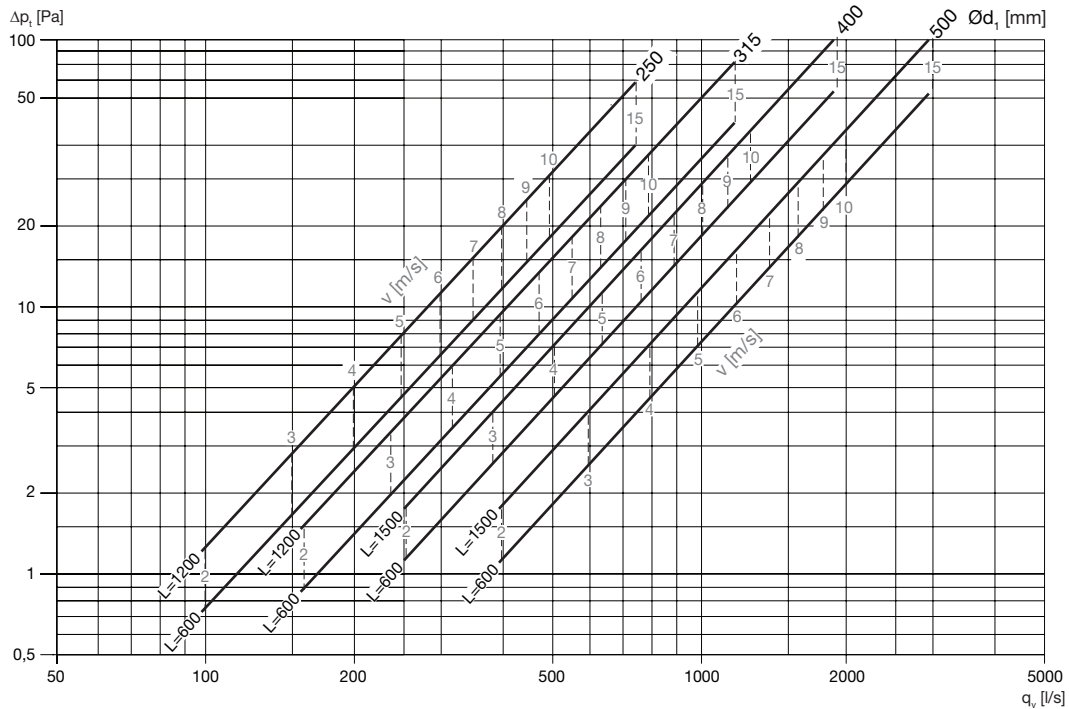
Insertion loss [dB] for centre frequency [Hz]											
$\varnothing d_1$ nom [mm]	l_{nom} [mm]	63	125	250	500	1k	2k	4k	8k	$\varnothing d_y$ [mm]	m [kg]
1400	1000	2	4	11	14	15	10	9	8	1707	200
1400	1200	3	5	13	16	18	12	9	8	1707	219
1400	1400	3	6	15	19	20	13	10	9	1707	239
1400	1500	3	7	16	20	21	14	10	9	1707	308
1400	2000	4	9	21	27	27	17	12	11	1707	298
1400	2500	5	12	26	33	33	20	14	13	1707	347
1400	2800	5	14	29	37	37	22	15	14	1707	377
1600	1000	2	3	9	13	11	9	7	6	1907	261
1600	1200	2	4	10	15	13	10	7	6	1907	286
1600	1500	2	5	12	17	15	11	8	7	1907	324
1600	1600	2	5	12	18	16	11	8	7	1907	337
1600	2000	2	6	14	22	19	13	9	8	1907	388
1600	2500	3	8	17	26	23	14	10	9	1907	451
1600	3200	3	10	20	32	29	17	12	10	1907	540



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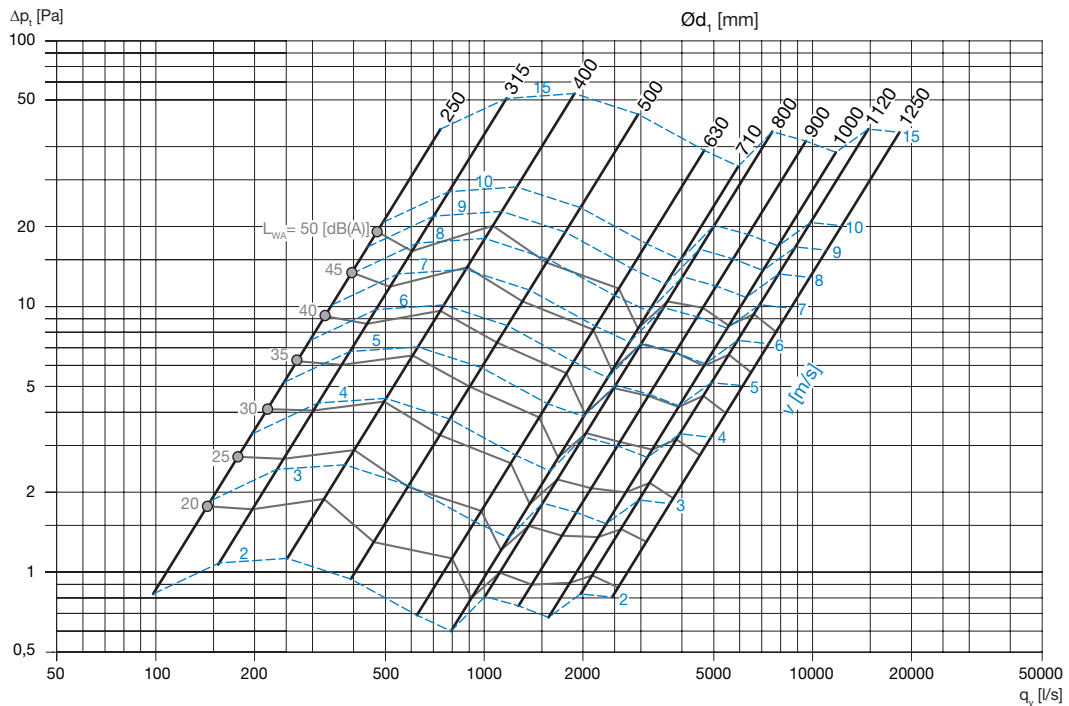
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Pressure loss for silencer with 50 mm insulation



Pressure loss for silencer with 100 mm insulation, Short models

- Ød₁ : 250 – 630 mm L = 600 mm
- Ød₁ : 710 – 1000 mm L = 1 x Ød₁
- Ød₁ : 1120 – 1250 mm L = 1000 mm

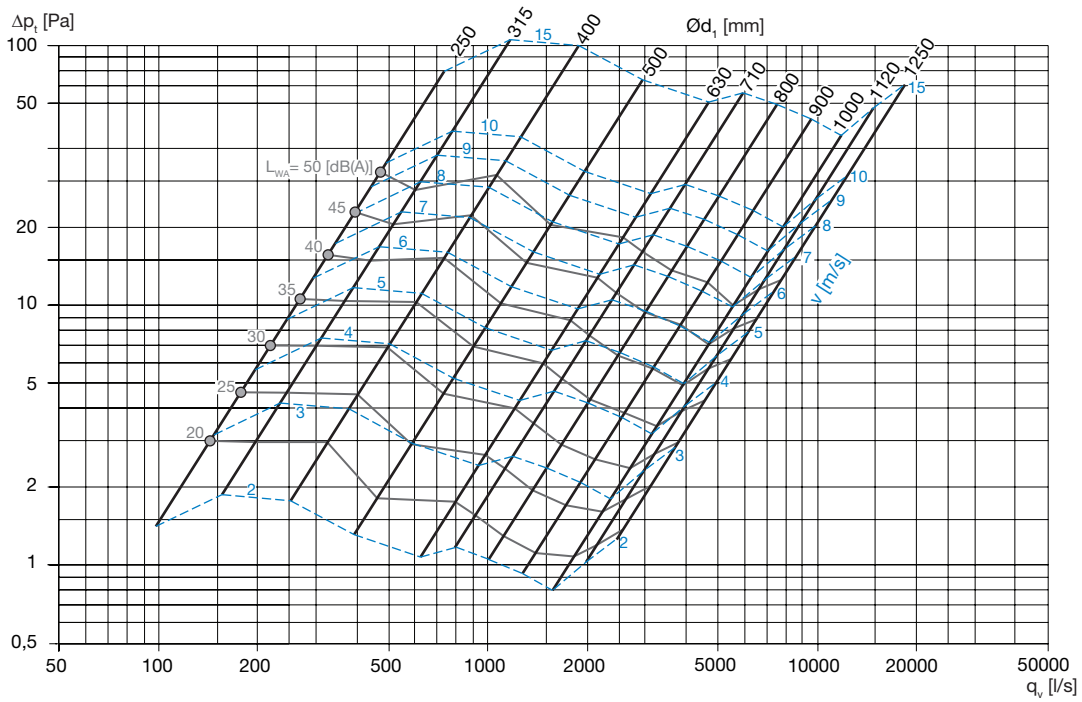


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Pressure loss for silencer with 100 mm insulation, Long models

Ød ₁ : 250 – 315 mm	L = 1200 mm
Ød ₁ : 400 – 630 mm	L = 1500 mm
Ød ₁ : 710 – 1000 mm	L = 2000 mm
Ød ₁ : 1120 mm	L = 2240 mm
Ød ₁ : 1250 mm	L = 2500 mm



Pressure loss for silencer with 150 mm insulation

