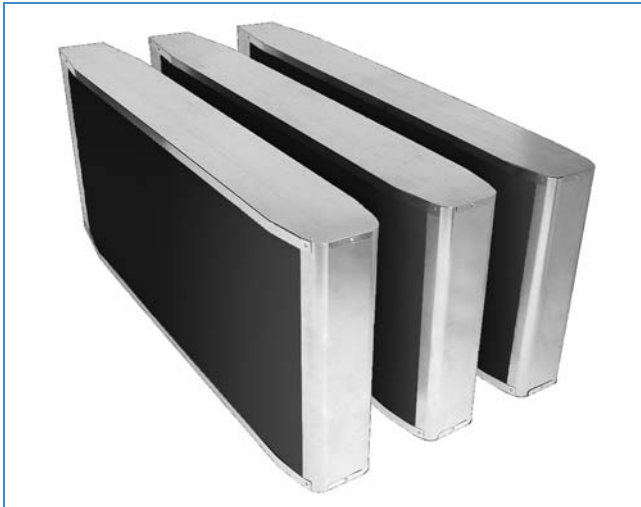


Silencer splitter

SLRA



Description

Aerodim-A is the basic element in the Aerodim™ silencer series. The SLRA is manufactured with a frame of galvanized sheet and absorption material type Lindtec™.

The SLRA is available in a width of 200 mm. The Aerodim-A is also available in other lengths and with other splitter distances than shown in the tables.

Special materials and sizes, please contact Lindab sales.

The Lindtec™ surface is easy to clean and prevents removal of fibres. Due to the aerodynamic design, the SLRA has a low pressure loss and a low generation of flow noise. To calculate the silencer, you can use our IT-program DIMsilencer, where splitter distance, length and height can be optimized for the best performance.

Tested according to ISO 7235 standard.

See how to calculate (S) from a given (a) in the separate AeroDim-SLRA / SLRS installation instruktion page 4.

Standard lengths (l) : 700, 1300, 1450, 1900, 2500 (Shown in tables above)

Standard heights (b): 300, 600, 900, 1200

Other lengths between Min./Max. 500 - 2500 mm on requests.

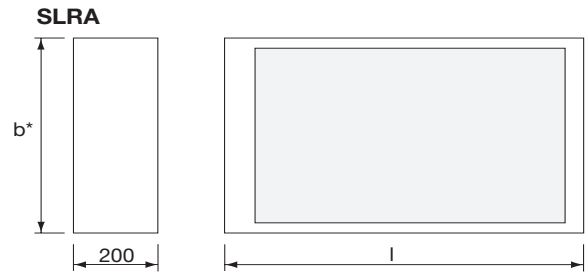
Order code

Product	SLRA	aaaa	bbbb
SLRA			
Height (b) i mm			
Max. 1200 mm (in single SLRS*)			
Length l nom i mm			
Min. - Max. 500 - 2500 mm			

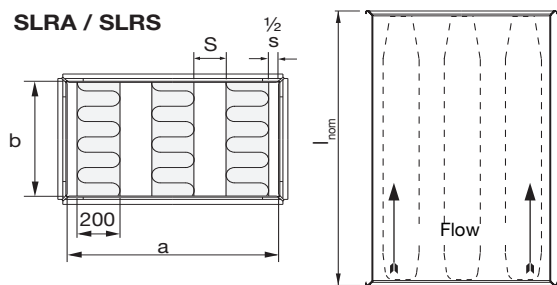
Example: SLRA - 600 - 1000

* The max. hight of the splitter can be increased by building two splitters on top of each other. See the SLRA / SLRS installation instruction for more details.

Dimensions



b* = Manufactured height of splitter is b-5 mm, to fit into duct.



Technical data

Splitter distance S = 60 mm

Length l _{nom} mm	Attenuation in dB for centre frequency Hz								Pressure value ξ
	63	125	250	500	1k	2k	4k	8k	
700	4	9	18	26	35	32	22	16	8,9
1300	6	15	31	46	50	50	36	25	12,0
1450	7	16	34	50	50	50	39	27	12,9
1900	9	21	44	50	50	50	48	32	15,2
2500	11	26	50	50	50	50	50	37	18,5

Splitter distance S = 80 mm

Length l _{nom} mm	Attenuation in dB for centre frequency Hz								Pressure value ξ
	63	125	250	500	1k	2k	4k	8k	
700	3	7	15	23	30	27	18	14	4,9
1300	5	12	26	40	50	48	30	21	6,5
1450	5	14	29	44	50	50	32	22	6,9
1900	7	18	38	50	50	50	40	26	8,1
2500	8	22	47	50	50	50	47	31	9,6

Splitter distance S = 100 mm

Length l _{nom} mm	Attenuation in dB for centre frequency Hz								Pressure value ξ
	63	125	250	500	1k	2k	4k	8k	
700	3	6	13	20	26	22	15	11	2,8
1300	4	11	23	36	50	40	24	17	3,8
1450	5	12	26	40	50	44	27	18	4,0
1900	6	15	33	50	50	50	33	22	4,7
2500	7	19	42	50	50	50	39	25	5,6



Silencer splitter

SLRA

Splitter distance S = 120 mm

Length l_{nom} mm	Attenuation in dB for centre frequency Hz								Pressure value ξ
	63	125	250	500	1k	2k	4k	8k	
700	2	6	12	19	23	18	12	9	1,8
1300	4	10	21	33	45	33	20	14	2,4
1450	4	11	23	36	50	36	22	15	2,5
1900	5	14	30	47	50	46	27	18	3,0
2500	6	17	38	50	50	50	32	21	3,5

Splitter distance S = 140 mm

Length l_{nom} mm	Attenuation in dB for centre frequency Hz								Pressure value ξ
	63	125	250	500	1k	2k	4k	8k	
700	2	5	11	17	20	15	10	8	1,1
1300	3	9	19	30	39	27	17	12	1,5
1450	4	10	22	34	44	30	18	12	1,7
1900	4	12	28	44	50	38	22	15	2,0
2500	5	15	35	50	50	47	27	17	2,4

NB. Max. attenuation specified is 50 dB.

The pressure loss Δp in Pa can be calculated from the pressure value ξ : $\Delta p = 0,6 \times v^2 \times \xi$ where (v) is the velocity on the face area of the silencer.

