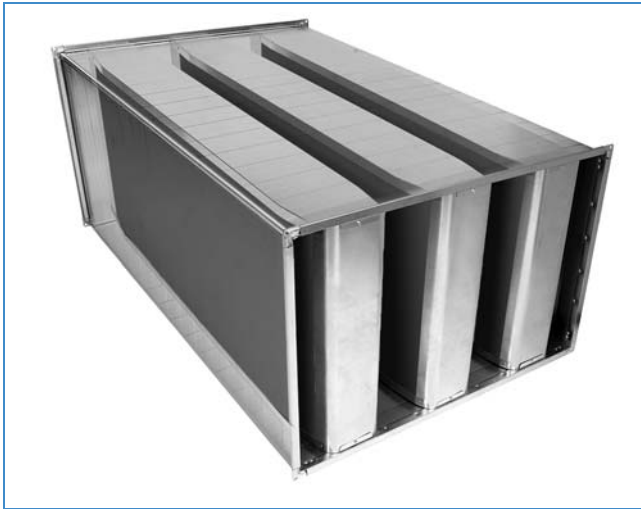


Silencer

SLRS



Description

Rectangular straight silencer from the Aerodim™ series. SLRS is built with the Aerodim™ silencer splitter SLRA.

The SLRA is manufactured with a frame of galvanized sheet and absorption material type Lindtec™. The splitter is available in a width of 200 mm. Silencer is equipped with flange profile RJFP or LS.

Due to the aerodynamic design, the SLRS has a low pressure loss and a low generation of flow noise. To calculate the silencer, you can use our IT-program lindQST or DIMsilencer, where splitter distance, length and height can be optimized for the best performance.

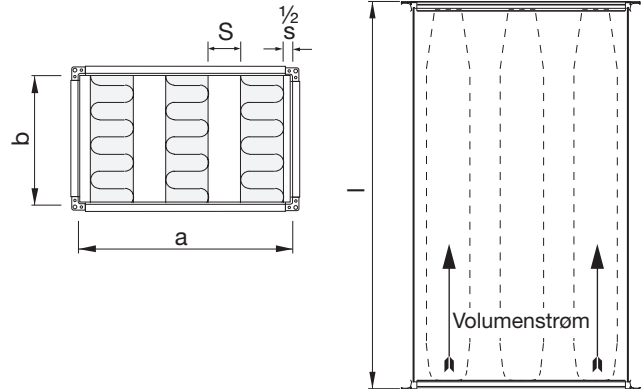
Tested according to ISO 7235 standard.

Order code

Product	SLRS	200	bbb*	cccc	dddd	aaaa	bb
SLRS							
Splitter width in mm							
Max. 200 mm							
Splitter distance in mm							
Max. 100 mm							
100							
1200							
900							
1000							
LS							
Mln. - Max. 500 - 2500 mm							
Connection type							
e.g. LS							

Example: SLRS - 200 - 100 - 1200 - 900 - 1000 - LS

Dimensions



Splitter distance S = 60

Length l_{nom} mm	Attenuation in dB for centre frequency Hz								Pressure value ξ
	63	125	250	500	1k	2k	4k	8k	
750	4	9	18	26	35	32	22	16	8,9
1350	6	15	31	46	50	50	36	25	12,0
1500	7	16	34	50	50	50	39	27	12,9
1950	9	21	44	50	50	50	48	32	15,2
2550	11	26	50	50	50	50	50	37	18,5

Splitter distance S = 80

Length l_{nom} mm	Attenuation in dB for centre frequency Hz								Pressure value ξ
	63	125	250	500	1k	2k	4k	8k	
750	3	7	15	23	30	27	18	14	4,9
1350	5	12	26	40	50	48	30	21	6,5
1500	5	14	29	44	50	50	32	22	6,9
1950	7	18	38	50	50	50	40	26	8,1
2550	8	22	47	50	50	50	49	31	9,6

Splitter distance S = 100

Length l_{nom} mm	Attenuation in dB for centre frequency Hz								Pressure value ξ
	63	125	250	500	1k	2k	4k	8k	
750	3	6	13	20	26	22	15	11	2,8
1350	4	11	23	36	50	40	24	17	3,8
1500	5	12	26	40	50	44	27	18	4,0
1905	6	15	33	50	50	50	33	22	4,7
2550	7	19	43	50	50	50	40	26	5,6

Splitter distance S = 120

Length l_{nom} mm	Attenuation in dB for centre frequency Hz								Pressure value ξ
	63	125	250	500	1k	2k	4k	8k	
750	2	6	12	19	23	18	12	9	1,8
1350	4	10	21	33	45	33	20	14	2,4
1500	4	11	23	36	50	36	22	15	2,5
1950	5	14	30	47	50	47	27	18	3,0
2550	6	18	39	50	50	50	33	22	3,5



Silencer

SLRS

Technical data

Splitter distance S = 140

Length l_{nom} mm	Attenuation in dB for centre frequency Hz								Pressure value ξ
	63	125	250	500	1k	2k	4k	8k	
750	2	5	11	17	20	15	10	8	1,1
1350	3	9	19	30	39	27	17	12	1,5
1500	4	10	22	34	44	30	18	12	1,7
1950	4	12	28	44	50	38	22	15	2,0
2550	5	16	36	50	50	49	27	18	2,4

NB. Max. attenuation specified is 50 dB.

Standard lengths (l) : 750, 1350, 1500, 1950, 2550. (shown in table above).

Standard heights (b): 300, 600, 900, 1200, 1800.

(Other lengths and heights are available. See min. - max. dimensions in order code. Note that you can exceed the max. dimensions by building together several SLRA/SLRS. See the AeroDim installation instruction for more details).

Special materials and sizes, please contact Lindab sales.

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.

