

MSK/MSP/MSC Rectangular Silencer

Silencer for rectangular duct systems. Suitable for use in exhaust, intake, discharge and supply air handling systems.

The elements are available in widths 100, 150, and 200 mm.

Standard lengths of rectangular silencers are 1250 and 2000 mm.



Design and Dimensions

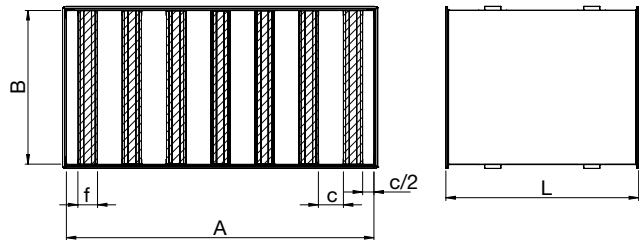
The MSK/MSP/MSC consists of an outer shell and absorption element manufactured of galvanized steel (standard) with Z-profile at both ends.

MSK absorption material: mineral wool board, covered with black glass fibre textile.

MSP absorption material: synthetic sound insulation.

MSC absorption material: Cleantec® mineral wool with washable surface layer.

For systems operating in aggressive environments (or if there is a special need), we also manufacture custom silencers from other materials.



MSK/MSC sound attenuation (absorption material mineral wool)

(Width a= 400, 600, 800, 1000, 1200, 1400, 1600, 1800, 2000, 2200, 2400)

MSK/MSC			Sound attenuation (dB)							
Element width f (mm)	Elements spacing c (mm)	Lenght L (mm)	Mean frequency of octave band (Hz)							
			63	125	250	500	1k	2k	4k	8k
100	100	600	1	2	6	14	29	23	17	10
		900	2	3	7	18	40	29	21	12
		1250	3	5	9	23	49	37	26	15
		1500	3	6	10	29	50	43	31	18
		1800	4	6	11	34	50	46	35	20
		2200	5	8	13	39	50	49	40	23
		2400	6	9	16	43	50	50	44	25
200	100	600	2	5	13	21	27	22	18	13
		900	3	8	20	31	29	26	23	17
		1250	4	11	26	45	47	37	29	19
		1500	5	14	32	47	49	42	35	22
		1800	7	16	38	50	50	47	38	25
		2000	8	18	43	50	50	50	41	28
		2400	9	21	46	50	50	50	44	31

MSP sound attenuation (absorption material synthetic sound insulation)

(Width a=400, 600, 800, 1000, 1200, 1400, 1600, 1800, 2000, 2200, 2400)

MSP			Sound attenuation (dB)							
Element width f (mm)	Elements spacing c (mm)	Lenght L (mm)	Mean frequency of octave band (Hz)							
			63	125	250	500	1k	2k	4k	8k
100	100	600	1	2	6	10	19	19	15	11
		900	2	3	7	11	24	20	16	12
		1250	2	5	9	17	33	31	22	19
		1500	3	6	12	21	42	36	26	21
		1800	5	7	14	25	47	41	31	25
		2000	6	10	16	29	50	45	36	28
		2400	7	11	18	33	50	49	40	32
Element width f (mm)	Elements spacing c (mm)	Lenght L	63	125	250	500	1k	2k	4k	8k
200	100	600	3	5	12	22	23	16	14	12
		900	4	8	15	26	32	23	19	15
		1250	5	11	18	34	41	31	23	19
		1500	6	13	24	42	45	37	29	21
		1800	7	15	28	45	49	42	33	24
		2000	8	17	32	48	50	47	37	27
		2400	9	20	37	50	50	50	41	30

Product Marking

MSK - H A x B - L - f x n - E30

Marking

- MSK - absorption material mineral wool
- MSP - absorption material synthetic sound insulation
- MSC - absorption material Cleantec® mineral wool with washable surface layer

Material

- Galvanized steel (Z275), standard material
- ZM - zinc-magnesium coated steel (ZM310)
- H - acidproof stainless steel (AISI 316L)

Width A x Height B

Lenght L

Element width x Quantity

Duct connection

- Z-profile (standard connection), not marked
- E20 - europrofile
- E30 - europrofile

Example: MSK 600x400-1000-100x3

MSP 600x400-1000-100x3

MSC 600x400-1000-100x3-E30