

**MSK/MSP Rectangular silencer**

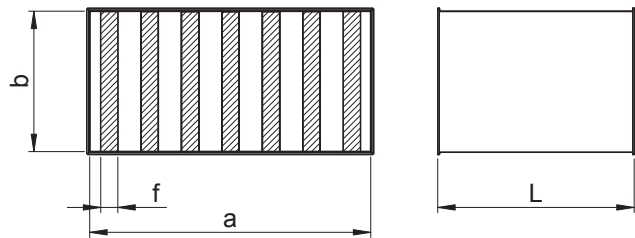
MSK/MSP-rectangular silencer for rectangular duct systems. Suitable for use in exhaust, intake, discharge and supply air handling systems.

The elements are available in a widths 100, 150, and 200 mm. Standard lengths of rectangular silencers are 1250 and 2000 mm.



**Design and Dimensions**

The MSK and MSP consists of an outer shell and absorption element manufactured of galvanized steel (standard) with z-flange at both ends. Silencers can also be manufactured of aluminium, stainless steel or acid-proof steel. MSK absorption material: mineral wool board, covered with black glass fibre textile. MSP absorption material: synthetic sound insulation.



**MSK Sound attenuation (absorption material mineral wool)**

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

| Element width | MSK Elements spacing | Lenght L | Sound attenuation (dB)             |     |     |     |    |    |    |    |
|---------------|----------------------|----------|------------------------------------|-----|-----|-----|----|----|----|----|
|               |                      |          | 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 | Elements spacing | Lenght L | 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 | Elements spacing | 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 codes**

**MSK - A x B - L - f x n**

**Marking**

MSK – absorption material mineral wool  
 MSP – absorption material synthetic sound insulation

**Width A x Height B**

**Lenght L**

**Element width x Quantity**

**Example: MSK 600x400–1000–100x3**  
**MSP 600x400–1000–100x3**