

MPK/MPP/MPC Rectangular Bend Silencer

MPK-rectangular bend silencer is designed for noise reduction in rectangular ventilation systems. There are two different types of MPK silencers – vertical and horizontal.

The outer shell can be without insulation (MPK/MPP/MPC) or insulated (MPKI/MPPI/MPCI).

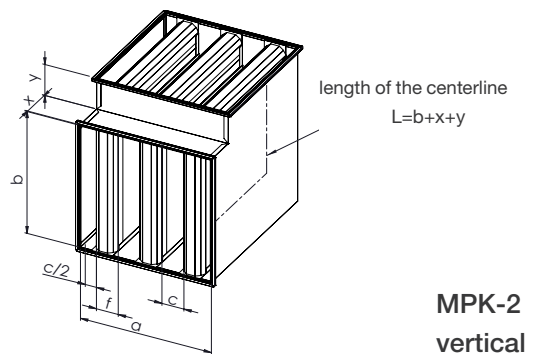
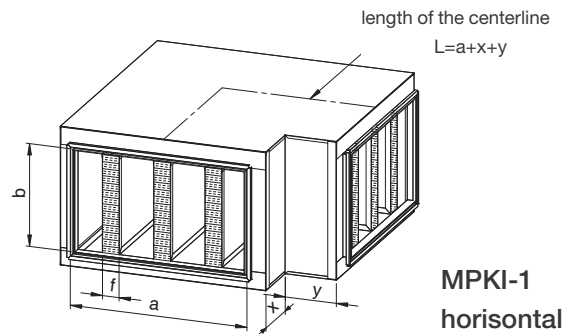


Design

MPK/MPP/MPC silencer consists of an outer shell and absorption elements manufactured of galvanized steel as standard with Z-profile at both ends.

MPKI/MPPI/MPCI silencers with noise reducing insulation are covered with galvanized sheet metal plate and the internal casing are made of perforated sheet metal plate. Dimensions a and b are for the internal casing. Z-profile are attached to the internal casing at both ends.

Dimensions x and y min. 150 mm.



Sound Attenuation

Choose from MSK table suitable silencer, which damping characteristics are sufficient and also calculate the length of the centerline of the silencer using the following formula:

Horizontal pad: $L = a + x + y$

Vertical pad: $L = b + x + y$

Product Marking

Silencer with non-insulated shell

MPK - 1 - ZM A x B - x-y - f x n - E30

Marking

- MPK - absorption material mineral wool
- MPP - absorption material synthetic sound insulation
- MPC - absorption material Cleantec® mineral wool with washable surface layer

Type

- 1 - horisontal
- 2 - vertical

Material

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

Width A x Height B

Depression x-y

x and y min. 150 mm

Element width x Quantity

Duct connection

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

Example: MPK-1 500x400-150-150-100x2

MPK-1-ZM 500x400-150-150-100x2-E30

Silencer with insulated shell

MPKI - 1 - ZM - i - ZM A x B - x-y - f x n - E30

<p>Marking _____</p> <p>MPKI - insulated, absorption material mineral wool MPPI - insulated, absorption material synthetic sound insulation MPCl - insulated, absorption material Cleantec® minrel wool with washable surface layer</p> <p>Type _____</p> <p>1 - horisontal 2 - vertical</p> <p>Material _____</p> <p>Galvanized steel (Z275), standard material ZM - Zinc-magnesium coated steel (ZM310) H - Acidproof stainless steel (AISI 316L)</p> <p>Insulation _____</p> <p>S - thermal insulation (inner shell metal sheet): 50, 100 mm M - sound insulation (inner shell perforated sheet): 30, 50, 100 mm EI120 - fire insulation, 100 mm (inner shell metal sheet)</p> <p>Outer shell material _____</p> <p>Galvanized steel (Z275), standard material ZM - zinc-magnesium coated steel (ZM310) H - acidproof stainless steel (AISI 316L)</p> <p>Width A x Height B _____</p> <p>Depression x-y _____</p> <p>x and y min. 150 mm</p> <p>Element width x Quantity _____</p> <p>Duct connection _____</p> <p>Z-profile (standard connection), not marked E20 - europrofile E30 - europrofile</p>	
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Example: MPKI-1-ZM-S50-ZM 500x400-150-150-100x2-E30