

SONOFLEX® MI



ECOSOFT
non-irritating insulation

Flexible Al laminate hose with internal arrangement as Aluflex MI, with thermal and noise insulation made of a 25 mm thick layer of environmentally friendly, non-irritating mineral wool, 16 kg/m³, vapour barrier – reinforced Al laminate. The inner hose is perforated as a sound absorber.

Calculation of bending radius (mm):

$$R = 0.6 D \text{ [mm]}$$

The construction includes a vapour barrier to prevent condensation in the noise insulation.

- strong noise reduction for ventilation and air conditioning systems and heat pumps
- standard length 10 m (compressed to 1.1 m in carton)
- diameter 82–630 mm, thickness 0.070 mm inner layer
- max. air velocity 30 m/s
- operating temperature -30 to +150 °C
- pressure drop at the end of the subchapter flexible hoses
- accessories in K 7.4
- economical design available SONOFLEX® (inner layer thickness 0.045 mm)

Diameter range [mm]

82 102 127 152 160 185 203 229 254 305 315 356 406 457 508 560 630

SONOFLEX® MO



ECOSOFT
non-irritating insulation

Highly durable flexible Al laminate hose with internal arrangement as Aluflex MO, with thermal and noise insulation made of 25 mm thick, environmentally friendly, non-irritating mineral wool, 16 kg/m³, vapour barrier – reinforced Al laminate. The inner hose is perforated as a sound absorber.

Calculation of bending radius (mm):

$$R = 0.6 D \text{ [mm]}$$

The construction includes a vapour barrier to prevent condensation in the noise insulation.

- strong noise reduction for ventilation and air conditioning systems and heat pumps
- standard length 10 m (compressed to 1.1 m in carton)
- diameter 82–630 mm, thickness 0.074 mm inner layer
- max. air velocity 30 m/s
- operating temperature -30 to +250 °C
- pressure drop at the end of the subchapter flexible hoses
- accessories in K 7.4

Diameter range [mm]

82 102 127 152 160 185 203 229 254 305 315 356 406 457 508 560 630

Inserted attenuation in dB
based on 1 m hose type SONOFLEX, insulation thickness 25 mm

Ø mm	Frequency Hz							
	63	125	250	500	1000	2000	4000	8000
80	13.5	22.5	29.0	24.0	19.0	14.0	17.5	11.0
102	12.5	21.0	27.0	22.5	17.5	13.0	16.5	10.0
127	11.5	19.0	25.0	20.5	16.0	12.0	15.0	9.0
152	10.5	17.5	23.0	19.0	15.0	11.0	14.0	8.5
160	10.5	17.5	23.0	19.0	15.0	11.0	14.0	8.5
203	9.0	16.0	21.0	17.5	13.5	10.0	12.5	8.0
254	8.5	15.0	19.0	16.0	12.5	9.0	11.5	7.0
315	7.5	13.5	17.5	14.5	11.0	8.0	10.5	6.0
406	7.0	12.0	15.5	13.0	10.0	7.5	9.5	5.0
508	6.5	10.5	14.0	11.5	9.0	6.5	8.0	5.0

Tolerance field: ±5 %

METALFLEX®



Semi-rigid flexible hose made of stainless steel 1.4404 (CSN 10088-1) AISI 316L.

- for air distribution systems
- for smoke and dust extraction
- as chimney liners
- highly mechanically resistant

- accessories - stainless steel METAL coupling in the same dimensions, see www.elektrodesign.cz
- ordering of pipe lengths according to customer requirements

Diameter range [mm]

80 100 125 150 160 180 200 250 300