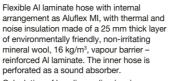
# **Flexible hoses**

# SONOFLEX® MI



Calculation of bending radius (mm):

R = 0.6 D [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)

Soler&Palau

entilation Group

- 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<sup>®</sup> (inner layer thickness 0.045 mm)

	Dia	amete	er ran	ge (m	ım]		

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

# SONOFLEX® MO



ECOSOFT non-irritating insulation



Highly durable flexible AI 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/m<sup>3</sup>, vapour barrier – reinforced AI laminate. The inner hose is perforated as a sound absorber.

Calculation of bending radius (mm):

#### R = 0.6 D [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

Frequency Hz												
Ømm	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				

7<u>3</u>

Tolerance field: ±5 dB

# **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			