TERMOFLEX® MI

ECOSOFT
non-irritating insulation

Flexible Al laminate hose with internal arrangement as Aluflex MI, with thermal insulation made of a 25 mm thick layer of ecological non-irritating mineral wool, 16 kg/m³.

Calculation of bending radius (mm):

R = 0.6 D [mm]

- reduced dew and heat loss
- 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 TERMOFLEX® (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

TERMOFLEX® MO

ECOSOFT
non-irritating insulation

Highly resistant flexible Al laminate hose with internal arrangement as Aluflex MO, with thermal insulation made of 25 mm thick, ecologically non-irritating mineral wool, 16 kg/m³.

Calculation of bending radius (mm):

R = 0.6 D [mm]

- reduced dew and heat loss
- 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

TERMOFLEX® HYGIENIC

ECOSOFT
non-irritating insulation

Highly durable, flexible and microbially treated Al hose with a steel wire frame, spiral wound between two layers of multi-layer AL laminate with thermal insulation made of a layer of eco-friendly mineral wool.

Calculation of bending radius (mm):

R = 0.6 D [mm]

- operating pressure 3000 Pa (max)
- ventilation, air conditioning
- standard length 10 m (compressed to 1.2 m in carton)
- diameter 82–508 mm
- max. air velocity 30 m/s
- insulation layer – mineral wool/polyester (16/14 kg/m²)
- insulation thickness 25 or 50 mm

„Hygienic flexible hoses“ are designed for applications where environmental hygiene requirements are high and regular inspection of the ducts is not possible. At the same time, their use is suitable for air distribution in conjunction with heat recovery units.

Description of the micro-organism problem

The existence of micro-organisms such as moulds and bacteria has been documented in the air ducts of ventilation systems. The humid and dark environment of air handling ducts is an ideal condition for their growth. Being in an environment where such air is supplied can lead to respiratory problems, infectious diseases or other allergic reactions and adverse effects on human health.

Principle of hose action on micro-organisms

Silver atoms on the inner surface break down water vapour into free radicals which destroy germs. As this is a catalytic process of killing bacteria, micro-organisms cannot build up immunity.

Diameter range [mm], insulation 25 a 50 mm														
82	102	127	152	160	185	203	229	254	305	315	356	406	457	508