tranquility

Acoustic Flexible Air Ducts



acoustic series

ask one of our sales representatives for our acoustic data catalog "Motivation for ventilation" ACOUSTIC DATA CATALOGUE



SILENCERAFS

Inner Duct Construction

: 3 ply aluminium perforated

Nominal Thickness of Inner Duct

Diameter Range (Ø)

Wire Spacina

pacing

Jacket Construction

Nominal Thickness of Jacket

Insulation - Thickness - Density

Temperature Range

Air Velocity

Operating Pressure
Standard Length (including collar)

: 70 micron

· 82-630 mm

: 35 mm (ø≥ 127 mm)

: 1 ply aluminium + 2 ply polyester

: 45 micron

: Glass wool - 25 mm - 16 kg/m³

: -30 °C / + 150 °C

: 30 m/s (max)

: 3000 Pa (max)

: 0,5 m/0,6 m/1 m/1,2 m/2 m



SILENCERAFS.P

Inner Duct Construction

Nominal Thickness of Inner Duct

Diameter Range (Ø)

Wire Spacing

Jacket Construction

Nominal Thickness of Jacket

Insulation - Thickness - Density

Temperature Range

Air Velocity

Operating Pressure

Standard Length (including collar)

: 3 ply aluminium perforated

: 70 micron

: 82-508 mm

: 35 mm (ø ≥ 127 mm)

: 1 ply polyethylene

: 100 micron

: Glass wool - 25 mm - 16 kg/m³

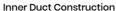
-30 °C / + 150 °C

: 30 m/s (max)

: 3000 Pa (max)

: 0,5 m / 0,6 m / 1 m / 1,2 m / 2 m

SILENCERAFS.D



inner buct construction

Nominal Thickness of Inner Duct

Diameter Range (Ø)

Wire Spacing

Jacket Construction

: 3 ply aluminium 1 ply polyester

perforated

: 74 micron

: 82-406 mm

: 18 mm (ø ≥ 102 mm)

: 3 ply aluminium + 2 ply polyester

(reinforced by wire spacing = 18 mm)

Nominal Thickness of Jacket : 70 micron

Barrier Construction : 1 ply polyethylene

Nominal Thickness of Barrier : 12 micron

Insulation - Thickness - Density : Glass wool - 25 mm - 16 kg/m³

Temperature Range : -30 °C / +150 °C
Air Velocity : 30 m/s (max)

 Air Velocity
 : 30 m/s (max)

 Operating Pressure
 : 3000 Pa (max)

Standard Length (excluding collar) : 0,5 m / 0,6 m / 1 m / 1,2 m / 2 m



All technical details on this leaflet are for information purposes only and are subject to change without prior notice.







SONOAFS-NW

Inner Duct Construction : 1 plv non-woven fabric

Nominal Thickness of Inner Duct : 600 micron Diameter Range (Ø) 65-630 mm

: 40 mm (ø ≥ 127 mm) Wire Spacing : 1 ply aluminium + 2 ply polyester **Jacket Construction**

Nominal Thickness of Jacket

Insulation - Thickness - Density : Glass wool - 25 mm - 16 ka/m³

Glass wool - 50 mm - 16 ka/m³

Temperature Range : -20 °C / + 90 °C : 20 m/s (max) Air Velocity Operatina Pressure : 1500 Pa (max)

Standard Length Certificates : M1 (France)

SOUNDROPAFS-NW

Inner Duct Construction : 1 ply non-woven fabric

Nominal Thickness of Inner Duct : 600 micron : 82-315 mm Diameter Range (Ø)

: 40 mm (ø ≥ 127 mm) Wire Spacing

Jacket Construction : 1 ply aluminium + 2 ply polyester

Nominal Thickness of Jacket : 45 micron

Insulation - Thickness - Density : Glass wool - 25 mm - 16 kg/m³ Glass wool - 50 mm - 16 kg/m3

: -20 °C / + 90 °C

Temperature Range : 20 m/s (max) Air Velocity Operating Pressure : 1500 Pa (max)

: 0,5 m / 0,6 m / 1 m / 1,2m / 2 m Standard Length (including collar)

SOUNDROPAFS-NW.P

Inner Duct Construction : 1 ply non-woven fabric

Nominal Thickness of Inner Duct : 600 micron Diameter Range (Ø) : 82-315 mm Wire Spacing : 40 mm (ø ≥ 127 mm) Jacket Construction : 1 ply polyethylene

Nominal Thickness of Jacket : 100 micron

Insulation - Thickness - Density : Glass wool - 25 mm - 16 kg/m³ Glass wool - 50 mm - 16 kg/m3

: -20 °C / + 90 °C Temperature Range : 20 m/s (max) Air Velocity **Operating Pressure** : 1500 Pa (max)

Standard Length (excluding collar) : 0,5 m / 0,6 m / 1 m / 1,2m / 2 m

: 1 ply aluminium (perforated)

: 1 ply aluminium + 2 ply polyester

: Glass wool - 25 mm - 16 kg/m³ Glass wool - 50 mm - 16 kg/m³

: 90 micron

: 45 micron

: 80-400 mm



ACOUSTIC SEMIAFS

Inner Duct Construction

Nominal Thickness of Inner Duct

Diameter Range (Ø)

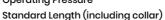
Jacket Construction

Nominal Thickness of Jacket

Insulation - Thickness - Density

: -25 °C / + 250 °C Temperature Range : 20 m/s (max) Air Velocity

: 2000 Pa (max) **Operating Pressure** : 0.5 m / 0.6 m / 1 m / 1.2 m / 2 m



SOUNDROPAFS

Inner Duct Construction

Nominal Thickness of Inner Duct

Diameter Range (Ø)

Jacket Construction

Nominal Thickness of Jacket

Insulation - Thickness - Density

Temperature Range

Air Velocity

Operating Pressure

Standard Length (excluding collar)

: 1 ply aluminium (perforated)

· 90 micron

: 82-315 mm

: 1 ply aluminium + 2 ply polyester

: 45 micron

: Glass wool - 25 mm - 16 kg/m³

Glass wool - 50 mm - 16 kg/m³

: -25 °C / + 250 °C : 20 m/s (max)

: 2000 Pa (max)

: 0,5 m / 0,6 m / 1 m / 1.2 m / 2 m



SOUNDROPAFS.P

Inner Duct Construction

Nominal Thickness of Inner Duct

Diameter Range (Ø)

Jacket Construction

Nominal Thickness of Jacket

Insulation - Thickness - Density : Glass wool - 25 mm - 16 kg/m³

Glass wool - 50 mm - 16 kg/m3

: 1 ply aluminium (perforated)

Temperature Range

Air Velocity **Operating Pressure**

Standard Length (excluding collar)

: -25 °C / + 250 °C

: 1 ply polyethylene

: 20 m/s (max)

: 90 micron

: 82-315 mm

: 100 micron

: 2000 Pa (max)

: 0,5 m / 0,6 m / 1 m / 1,2 m / 2 m







PHONIC SEMIAES

Inner Duct Construction : 1 ply aluminium (perforated)

Nominal Thickness of Inner Duct : 90 micron

Diameter Range (Ø) : 80-400 mm

Jacket Construction : 1 ply aluminium

Nominal Thickness of Jacket : 90 micron

Insulation - Thickness - Density : Glass wool - 25 mm - 16 kg/m³

Glass wool - 50 mm - 16 kg/m³

perforated

Temperature Range : $-25 \,^{\circ}\text{C} / + 250 \,^{\circ}\text{C}$ Air Velocity : $20 \, \text{m/s} \, (\text{max})$ Operating Pressure : $2000 \,^{\circ}\text{Pa} \, (\text{max})$ Standard Lenath : $1 \,^{\circ}\text{m} / 2 \,^{\circ}\text{m}$

SEMI RIGID SII FNCFR

Inner Duct Construction : 1 ply aluminium (perforated)

Nominal Thickness of Inner Duct : 90 micron

Diameter Range (Ø) : 80-350 mm

Jacket Construction : 1 ply aluminium

Nominal Thickness of Jacket : 120 micron

Insulation - Thickness - Density : Glass wool - 25 mm - 16 kg/m³
Glass wool - 50 mm - 16 kg/m³

Temperature Range : -25 °C /+ 250 °C

Air Velocity : 20 m/s (max)

Operating Pressure : 2000 Pa (max)

Standard Length (excluding collar) : 0,5 m / 0,6 m / 1 m

SILENCERAFS.F PLUS B

Inner Duct Construction : 3 ply aluminium

1 ply polyester

Nominal Thickness of Inner Duct : 74 micron

Diameter Range (Ø) : 80-508 mm

Wire Spacing : 35 mm (ø ≥ 127 mm)

Barrier Construction : 1 ply polyethylene

Nominal Thickness of Barrier : 12 micron
Nominal Thickness of Jacket : 52 micron

Jacket Construction : 1 ply aluminium + 2 ply poly

Insulation - Thickness - Density : Glass wool - 25 mm - 16 kg/m³
Glass wool - 50 mm - 16 kg/m³

Temperature Range : $-30 \,^{\circ}\text{C} / + 250 \,^{\circ}\text{C}$ Air Velocity : $30 \, \text{m/s} \, (\text{max})$ Operating Pressure : $3000 \,^{\circ}\text{Pa} \, (\text{max})$

Standard Length (excluding collar) : 0,5 m / 0,6 m / 1 m / 1,2 m / 2 m











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