

tranquility

## Acoustic Flexible Air Ducts



acoustic series



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data catalog



## SILENCERAFS

Inner Duct Construction	: 3 ply aluminium 2 ply polyester	] Perforated
Nominal Thickness of Inner Duct	: 70 micron	
Diameter Range (Ø)	: 82-630 mm	
Wire Spacing	: 35 mm (Ø ≥ 127 mm)	
Jacket Construction	: 1 ply aluminium + 2 ply polyester	
Nominal Thickness of Jacket	: 45 micron	
Collar Type	: Aluminium tape	
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup> Glass wool - 50 mm-16 kg/m <sup>3</sup>	
Operating Temperature Range	: -30 °C / +150 °C	
Air Velocity	: 30 m/s (max)	
Operating Pressure	: +2500 Pa (max)	
Standard Length	: 0,5 m / 1 m / 2 m	

## SILENCERAFS.P

Inner Duct Construction	: 3 ply aluminium 2 ply polyester	] Perforated
Nominal Thickness of Inner Duct	: 70 micron	
Diameter Range (Ø)	: 82-508 mm	
Wire Spacing	: 35 mm (Ø ≥ 127 mm)	
Jacket Construction	: 1 ply polyethylene	
Nominal Thickness of Jacket	: 100 micron	
Collar Type	: Aluminium tape	
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup> Glass wool - 50 mm-16 kg/m <sup>3</sup>	
Operating Temperature Range	: -30 °C / +150 °C	
Air Velocity	: 30 m/s (max)	
Operating Pressure	: +2500 Pa (max)	
Standard Length	: 0,5 m / 1 m / 2 m	

## SILENCERAFS.D

Inner Duct Construction	: 3 ply aluminium 1 ply polyester	] Perforated
Nominal Thickness of Inner Duct	: 74 micron	
Diameter Range (Ø)	: 82-406 mm	
Wire Spacing	: 18 mm (Ø ≥ 102 mm)	
Jacket Construction	: 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	
Collar Type	: Aluminium tape	
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup> Glass wool - 50 mm-16 kg/m <sup>3</sup>	
Operating Temperature Range	: -30 °C / +150 °C	
Air Velocity	: 30 m/s (max)	
Operating Pressure	: +2500 Pa (max)	
Standard Length (excluding collar)	: 0,5 m / 0,6 m / 1 m / 1,2 m / 2 m	



The dimensions, tolerances, and mechanical resistance of all flexible ducts are tested, classified and certified according to EN 13180. All technical details are for information only. All information and technical data in this leaflet is subject to change without prior notice. Based on these, permissible length tolerance is (-)3% for stated length (measured after fully stretched according to EN 13180)



## SONOAFS-NW

Inner Duct Construction	: 1 ply non-woven fabric (Sound absorbing material, hydrophobic)
Nominal Thickness of Inner Duct	: 600 micron
Diameter Range (Ø)	: 65-630 mm
Wire Spacing	: 40 mm (Ø ≥ 127 mm)
Jacket Construction	: 1 ply aluminium + 2 ply polyester
Nominal Thickness of Jacket	: 45 micron
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup> Glass wool - 50 mm - 16 kg/m <sup>3</sup>
Operating Temperature Range	: -20 °C / +120 °C
Air Velocity	: 20 m/s (max)
Operating Pressure	: +1500 Pa (max)
Standard Length	: 6 m

## SOUNDROPAFS-NW

Inner Duct Construction	: 1 ply non-woven fabric (Sound absorbing material, hydrophobic)
Nominal Thickness of Inner Duct	: 600 micron
Diameter Range (Ø)	: 82-315 mm
Wire Spacing	: 40 mm (Ø ≥ 127 mm)
Jacket Construction	: 1 ply aluminium + 2 ply polyester
Nominal Thickness of Jacket	: 45 micron
Collar Type	: Metal (Ø ≥ 200 mm) - otherwise plastic
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup> Glass wool - 50 mm - 16 kg/m <sup>3</sup>
Operating Temperature Range	: -20 °C / +120 °C
Air Velocity	: 20 m/s (max)
Operating Pressure	: +1500 Pa (max)
Standard Length (including collar)	: 0,5 m / 0,6 m / 1 m / 1,2m / 2 m

## SOUNDROPAFS-NW.P

Inner Duct Construction	: 1 ply non-woven fabric (Sound absorbing material, hydrophobic)
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
Collar Type	: Metal (Ø ≥ 200 mm) - otherwise plastic
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup> Glass wool - 50 mm - 16 kg/m <sup>3</sup>
Operating Temperature Range	: -20 °C / +120 °C
Air Velocity	: 20 m/s (max)
Operating Pressure	: +1500 Pa (max)
Standard Length (excluding collar)	: 0,5 m / 0,6 m / 1 m / 1,2m / 2 m





## ACOUSTIC SEMIAFS

Inner Duct Construction	: 1 ply corrugated aluminium (perforated)
Nominal Thickness of Inner Duct	: 90 micron
Diameter Range (∅)	: 80-400 mm
Jacket Construction	: 1 ply aluminium + 2 ply polyester
Nominal Thickness of Jacket	: 45 micron
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup> Glass wool - 50 mm - 16 kg/m <sup>3</sup>
Operating Temperature Range	: -25 °C / + 250 °C
Air Velocity	: 20 m/s (max)
Operating Pressure	: +2000 Pa (max)
Standard Length (including collar)	: 0,5 m / 0,6 m / 1 m / 1,2 m / 2 m



## SOUNDROPAFS

Inner Duct Construction	: 1 ply corrugated aluminium (perforated)
Nominal Thickness of Inner Duct	: 90 micron
Diameter Range (∅)	: 82-315 mm
Jacket Construction	: 1 ply aluminium + 2 ply polyester
Nominal Thickness of Jacket	: 45 micron
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup> Glass wool - 50 mm - 16 kg/m <sup>3</sup>
Operating 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 / 1,2 m / 2 m



## SOUNDROPAFS.P

Inner Duct Construction	: 1 ply corrugated aluminium (perforated)
Nominal Thickness of Inner Duct	: 90 micron
Diameter Range (∅)	: 82-315 mm
Jacket Construction	: 1 ply polyethylene
Nominal Thickness of Jacket	: 100 micron
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup> Glass wool - 50 mm - 16 kg/m <sup>3</sup>
Operating 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 / 1,2 m / 2 m





## PHONIC SEMIAFS

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/m <sup>3</sup> Glass wool - 50 mm - 16 kg/m <sup>3</sup>
Operating Temperature Range	: -25 °C / + 250 °C
Air Velocity	: 20 m/s (max)
Operating Pressure	: +2000 Pa (max)
Standard Length	: 1 m / 2 m



## SEMI RIGID SILENCER

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
Collar Type	: Metal
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup> Glass wool - 50 mm - 16 kg/m <sup>3</sup>
Operating 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



## SILENCERA.FS.F PLUS B

Inner Duct Construction	: 3 ply aluminium 1 ply polyester	⌋ Perforated
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	: 45 micron	
Jacket Construction	: 1 ply aluminium + 2 ply poly	
Collar Type	: Metal	
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup> Glass wool - 50 mm - 16 kg/m <sup>3</sup>	
Operating Temperature Range	: -30 °C / + 250 °C	
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	

**look up**   
notice  
the fresh air



## Acoustic Flexible Air Ducts



**AFS**<sup>®</sup>

FLEXIBLE KANAL AŞ

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