

we deliver fresh air

Flexible Air Ducts & Accessories



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AFS[®]

we deliver fresh air



Class B - s1, d0
(EN 13501-1)
&
M1

ALUAFS.70

| | |
|----------------------------------|--------------------------------------|
| Duct Construction | : 3 ply aluminium 2 ply polyester |
| Nominal Thickness | : 70 micron |
| Diameter Range (\varnothing) | : 52 mm - 800 mm |
| Wire Spacing | : 35 mm ($\varnothing \geq 127$ mm) |
| Operating Temperature Range | : -30 °C / +150 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 10 m |
| Packing | : Single cardboard box |
| Reaction to Fire | : Difficult to ignite |
| Certificates | : M1 (France) |

Class 0
(BS 476:Part 6&7)

Class B - s1, d0
(EN 13501-1)

EN ISO 11925-2

single flame source test report

EN ISO 13823

single burning item test report



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)



ALUAFS.F

| | |
|---------------------------------|---|
| Duct Construction | : 3 ply aluminium 1 ply polyester |
| Nominal Thickness of Inner Duct | : 74 micron |
| Diameter Range (Ø) | : 82 mm – 800 mm |
| Wire Spacing | : 35 mm (Ø ≥ 127 mm) |
| Operating Temperature Range | : -30 °C / +250 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 10 m |
| Packing | : Single cardboard box |
| Reaction to Fire | : Limited combustibility |
| Certificates | : M0 (France) Class A2-s1, d0 (EN 13501-1) EN ISO 1716 gross calorific value test report EN 13823 single burning item test report |



Class A2-s1, d0
(EN 13501-1)
& M0

ALUAFS.F FORTE

| | |
|-----------------------------|---|
| Duct Construction | : 3 ply aluminium 1 ply polyester |
| Nominal Thickness | : 74 micron |
| Diameter Range (Ø) | : 82 mm – 800 mm |
| Wire Spacing | : 18 mm (Ø ≥ 102 mm) |
| Operating Temperature Range | : -30 °C / +250 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 10 m |
| Packing | : Single cardboard box |
| Reaction to Fire | : Limited combustibility |
| Advantages | : Very low pressure loss Minimum sag High Durability |
| Certificates | : M0 (France) Class A2-s1, d0 (EN 13501-1) EN ISO 1716 gross calorific value test report EN 13823 single burning item test report |



Class A2-s1, d0
(EN 13501-1)
& M0



ISOAFS-ALU.70

| | |
|----------------------------------|--|
| Inner Duct Construction | : 3 ply aluminium 2 ply polyester |
| Nominal Thickness of Inner Duct | : 70 micron |
| Jacket Construction | : 1 ply aluminium 2 ply polyester |
| Nominal Thickness of Jacket | : 45 micron |
| Insulation - Thickness - Density | : Glass wool - 25 mm - 16 kg/m ³ |
| Diameter Range (Ø) | : 52 - 800 mm |
| Wire Spacing | : 35 mm (Ø ≥ 127 mm) |
| Operating Temperature Range | : -30 °C / +150 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 10 m |
| Packing | : Single cardboard box |
| Reaction to Fire | : Difficult to ignite |
| Available Options Upon Request | : Customized lengths Private labeling White polyester insulation & PE jacket 40 & 50 mm Glass wool insulation 24 kg/m ³ Glass wool insulation |
| Certificates | : M1 (France) |



ISOAFS-ALU.F

| | |
|----------------------------------|--|
| Inner Duct Construction | : 3 ply aluminium 1 ply polyester |
| Nominal Thickness of Inner Duct | : 74 micron |
| Jacket Construction | : 1 ply aluminium 2 ply polyester |
| Nominal Thickness of Jacket | : 45 micron |
| Insulation - Thickness - Density | : Glass wool - 25 mm - 16 kg/m ³ |
| Diameter Range (Ø) | : 82 - 800 mm |
| Wire Spacing | : 35 mm (Ø ≥ 127 mm) |
| Operating Temperature Range | : -30 °C / +250 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 10 m |
| Packing | : Single cardboard box |
| Reaction to Fire | : Difficult to ignite |
| Available Options Upon Request | : Customized lengths Private labeling White polyester insulation & PE jacket 40 & 50 mm Glass wool insulation 24 kg/m ³ Glass wool insulation |
| Certificates | : M0 + M1 (France) Class 0 (Italy) EN ISO 1716 (Inner Duct) gross calorific value test report |

SONOAFS-ALU.70

| | | |
|----------------------------------|--|--------------|
| Inner Duct Construction | : 3 ply aluminium 2 ply polyester |] Perforated |
| Nominal Thickness of Inner Duct | : 70 micron | |
| Jacket Construction | : 1 ply aluminium 2 ply polyester | |
| Nominal Thickness of Jacket | : 45 micron | |
| Insulation - Thickness - Density | : Glass wool - 25 mm - 16 kg/m ³ | |
| Diameter Range (∅) | : 52 - 800 mm | |
| Wire Spacing | : 35 mm (∅ ≥ 127 mm) | |
| Operating Temperature Range | : -30 °C / +150 °C | |
| Air Velocity | : 30 m/s (max) | |
| Operating Pressure | : +3000 Pa (max) | |
| Standard Length | : 10 m | |
| Packing | : Single cardboard box | |
| Reaction to Fire | : Difficult to ignite | |
| Available Options Upon Request | : Customized lengths Private labeling White polyester insulation & PE jacket 40 & 50 mm Glass wool insulation 24 kg/m ³ Glass wool insulation PE barrier between duct and glass wool | |
| Certificates | : M1 (France) | |

SONOAFS-ALU.F

| | | |
|----------------------------------|--|--------------|
| Inner Duct Construction | : 3 ply aluminium 1 ply polyester |] Perforated |
| Nominal Thickness of Inner Duct | : 74 micron | |
| Jacket Construction | : 1 ply aluminium 2 ply polyester | |
| Nominal Thickness of Jacket | : 45 micron | |
| Insulation - Thickness - Density | : Glass wool - 25 mm - 16 kg/m ³ | |
| Diameter Range (∅) | : 82 - 800 mm | |
| Wire Spacing | : 35 mm (∅ ≥ 127 mm) | |
| Operating Temperature Range | : -30 °C / +250 °C | |
| Air Velocity | : 30 m/s (max) | |
| Operating Pressure | : +3000 Pa (max) | |
| Standard Length | : 10 m | |
| Packing | : Single cardboard box | |
| Reaction to Fire | : Difficult to ignite | |
| Available Options Upon Request | : Customized lengths Private labeling White polyester insulation & PE jacket 40 & 50 mm Glass wool insulation 24 kg/m ³ Glass wool insulation PE barrier between duct and glass wool | |
| Certificates | : M0 + M1 (France) EN ISO 1716 (Inner Duct) gross calorific value test report | |





ISOAFS-ALU.F PLUS

| | |
|----------------------------------|---|
| Inner Duct Construction | : 3 ply aluminium 1 ply polyester |
| Nominal Thickness of Inner Duct | : 74 micron |
| Jacket Construction | : 3 ply aluminium 1 ply polyester |
| Nominal Thickness of Jacket | : 74 micron |
| Insulation - Thickness - Density | : Glass wool - 25 mm - 16 kg/m ³ |
| Diameter Range (∅) | : 82 - 508 mm |
| Wire Spacing | : 35 mm (∅ ≥ 127 mm) |
| Operating Temperature Range | : -30 °C / +250 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 5 m |
| Packing | : Special design cardboard box |
| Reaction to Fire | : Limited combustibility |
| Certificates | : M0 + M0 (France) |



SONOAFS-ALU.F PLUS

| | | |
|----------------------------------|---|------------|
| Inner Duct Construction | : 3 ply aluminium 1 ply polyester | Perforated |
| Nominal Thickness of Inner Duct | : 74 micron | |
| Jacket Construction | : 3 ply aluminium 1 ply polyester | |
| Nominal Thickness of Jacket | : 74 micron | |
| Insulation - Thickness - Density | : Glass wool - 25 mm - 16 kg/m ³ | |
| Diameter Range (∅) | : 82 - 508 mm | |
| Wire Spacing | : 35 mm (∅ ≥ 127 mm) | |
| Operating Temperature Range | : -30 °C / +250 °C | |
| Air Velocity | : 30 m/s (max) | |
| Operating Pressure | : +3000 Pa (max) | |
| Standard Length | : 5 m | |
| Packing | : Special design cardboard box | |
| Reaction to Fire | : Limited combustibility | |
| Certificates | : M0 + M0 (France) | |

SONOAFS-ALU.F.W

| | | |
|--------------------------------------|--|--------------|
| Inner Duct Construction | : 3 ply aluminium 1 ply polyester |] Perforated |
| Nominal Thickness of Inner Duct | : 74 micron | |
| Jacket Construction | : 1 ply aluminium 2 ply polyester | |
| Nominal Thickness of Jacket | : 45 micron | |
| Insulation - Thickness - Unit Weight | : Polyester fiber - 25 mm - 225 g/m ² | |
| Diameter Range (Ø) | : 82 - 800 mm | |
| Wire Spacing | : 35 mm (Ø ≥ 127 mm) | |
| Operating Temperature Range | : -30 °C / +120 °C | |
| Air Velocity | : 30 m/s (max) | |
| Operating Pressure | : +3000 Pa (max) | |
| Standard Length | : 10 m | |
| Packing | : Single cardboard box | |
| Certificates | : Inner core : M0 (France) Sleeve : M1 (France) | |

SONOAFS-NW.W

| | |
|--------------------------------------|--|
| Inner Duct Construction | : 1 ply non-woven fabric |
| Nominal Thickness of Inner Duct | : 600 micron |
| Jacket Construction | : 1 ply aluminium 2 ply polyester |
| Nominal Thickness of Jacket | : 45 micron |
| Insulation - Thickness - Unit Weight | : Polyester fiber - 25 mm - 225 g/m ² |
| Diameter Range (Ø) | : 52 - 560 mm |
| Wire Spacing | : 40 mm (Ø ≥ 127 mm) |
| Operating Temperature Range | : -20 °C / +120 °C |
| Air Velocity | : 20 m/s |
| Operating Pressure | : 1500 Pa |
| Standard Length | : 6 m |
| Packing | : Single cardboard box |
| Certificates | : M1 (France) |





Class B - s1, d0
(EN 13501-1)
+ M1

ISOAFS-ALU.70 ECOSOFT

| | |
|----------------------------------|--|
| Inner Duct Construction | : 3 ply aluminium 2 ply polyester |
| Nominal Thickness of Inner Duct | : 70 micron |
| Jacket Construction | : 1 ply aluminium 2 ply polyester |
| Nominal Thickness of Jacket | : 45 micron |
| Insulation - Thickness - Density | : Glass wool - 25 mm - 16 kg/m ³ |
| Diameter Range (Ø) | : 52 - 800 mm |
| Wire Spacing | : 35 mm (Ø ≥ 127 mm) |
| Operating Temperature Range | : -30 °C / +150 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 10 m |
| Packing | : Special design cardboard box |
| Reaction to Fire | : Difficult to ignite |
| Certificates | : M1 (France) Class B - s1, d0 (EN 13501-1) |

ecoSOFT Naturally Different

EMISSIONS DANS L'AIR INTÉRIEUR*

A+

A+ A B C

*Information on the emission level of volatile substances into indoor air, presenting a risk of toxicity by inhalation, on a scale ranging from A+ (very low emissions) to C (high emissions)



**M0
+ M1**

ISOAFS-ALU.F ECOSOFT

| | |
|----------------------------------|---|
| Inner Duct Construction | : 3 ply aluminium 1 ply polyester |
| Nominal Thickness of Inner Duct | : 74 micron |
| Jacket Construction | : 1 ply aluminium 2 ply polyester |
| Nominal Thickness of Jacket | : 45 micron |
| Insulation - Thickness - Density | : Glass wool - 25 mm - 16 kg/m ³ |
| Diameter Range (Ø) | : 82 - 800 mm |
| Wire Spacing | : 35 mm (Ø ≥ 127 mm) |
| Operating Temperature Range | : -30 °C / +250 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 10 m |
| Packing | : Special design cardboard box |
| Reaction to Fire | : Difficult to ignite |
| Certificates | : M0 + M1 (France) |

ecoSOFT Naturally Different

EMISSIONS DANS L'AIR INTÉRIEUR*

A+

A+ A B C

*Information on the emission level of volatile substances into indoor air, presenting a risk of toxicity by inhalation, on a scale ranging from A+ (very low emissions) to C (high emissions)

SONOAFS-ALU.70 ECOSOFT

| | | |
|----------------------------------|--|--------------|
| Inner Duct Construction | : 3 ply aluminium 2 ply polyester |] Perforated |
| Nominal Thickness of Inner Duct | : 70 micron | |
| Jacket Construction | : 1 ply aluminium 2 ply polyester | |
| Nominal Thickness of Jacket | : 45 micron | |
| Insulation - Thickness - Density | : Glass wool - 25 mm - 16 kg/m ³ | |
| Diameter Range (Ø) | : 52 - 800 mm | |
| Wire Spacing | : 35 mm (Ø ≥ 127 mm) | |
| Operating Temperature Range | : -30 °C / +150 °C | |
| Air Velocity | : 30 m/s (max) | |
| Operating Pressure | : +3000 Pa (max) | |
| Standard Length | : 10 m | |
| Packing | : Special design cardboard box | |
| Reaction to Fire | : Difficult to ignite | |
| Certificates | : M1 (France) Class B - s1, d0 (EN 13501-1) | |

ECOSOFT
Naturally Different



*Information on the emission level of volatile substances into indoor air, presenting a risk of toxicity by inhalation, on a scale ranging from A+ (very low emissions) to C (high emissions)

SONOAFS-ALU.F ECOSOFT

| | | |
|----------------------------------|---|--------------|
| Inner Duct Construction | : 3 ply aluminium 1 ply polyester |] Perforated |
| Nominal Thickness of Inner Duct | : 74 micron | |
| Jacket Construction | : 1 ply aluminium 2 ply polyester | |
| Nominal Thickness of Jacket | : 45 micron | |
| Insulation - Thickness - Density | : Glass wool - 25 mm - 16 kg/m ³ | |
| Diameter Range (Ø) | : 82 - 800 mm | |
| Wire Spacing | : 35 mm (Ø ≥ 127 mm) | |
| Operating Temperature Range | : -30 °C / +250 °C | |
| Air Velocity | : 30 m/s (max) | |
| Operating Pressure | : +3000 Pa (max) | |
| Standard Length | : 10 m | |
| Packing | : Special design cardboard box | |
| Reaction to Fire | : Difficult to ignite | |
| Certificates | : M0 + M1 (France) | |

ECOSOFT
Naturally Different



*Information on the emission level of volatile substances into indoor air, presenting a risk of toxicity by inhalation, on a scale ranging from A+ (very low emissions) to C (high emissions)



“marine certified”

we deliver fresh air



ALUAFS.F MARINE

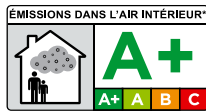
| | |
|--------------------|--|
| Duct Construction | : 3 ply aluminium 1 ply polyester |
| Nominal Thickness | : 74 micron |
| Diameter Range (∅) | : 82 - 800 mm (Oversize is available) |
| Wire Spacing | : 35 mm (∅ ≥ 127 mm) |
| Temperature Range | : -30 °C / +250 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 10 m |
| Packing | : Individual cardboard box Single cardboard box |
| Reaction to Fire | : Limited combustibility |
| Certificates | : M0 (France) [CSTB] |



164.112/1121/EWC MED0492

SONOAFS-ALU.FB ECOSOFT MARINE

| | | |
|----------------------------------|--|--------------|
| Inner Duct Construction | : 3 ply aluminium 1 ply polyester |] Perforated |
| Nominal Thickness of Inner Duct | : 74 micron | |
| Barrier Construction | : 1 ply polyethylene | |
| Barrier Thickness | : 12 micron | |
| Outer Jacket Construction | : 1 ply aluminium 2 ply polyester | |
| Nominal Thickness of Jacket | : 45 micron | |
| Insulation - Thickness - Density | : Glass wool - 25 mm - 16 kg/m ³ Glass wool - 50 mm - 16 kg/m ³ | |
| Diameter Range (∅) | : 82 - 800 mm (Oversize is available) | |
| Wire Spacing | : 35 mm (∅ ≥ 127 mm) | |
| Operating Temperature Range | : -30 °C / +150 °C | |
| Air Velocity | : 30 m/s (max) | |
| Operating Pressure | : +3000 Pa (max) | |
| Standard Length | : 10 m | |
| Packing | : Special cardboard box | |
| Reaction to Fire | : Difficult to ignite | |
| Certificates | : M0 + M1 (France) | |



*Information on the emission level of volatile substances into indoor air, presenting a risk of toxicity by inhalation, on a scale ranging from A+ (very low emissions) to C (high emissions)

164.112/1121/EWC MED0494

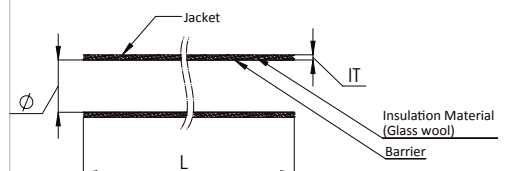
SLEEVEAFS.B ECOSOFT MARINE

| | |
|----------------------------------|---|
| Diameter Range (∅) | : 82 - 508 mm |
| Standard Length | : 10 m |
| Barrier type | : polyethylene |
| Barrier Thickness | : 12 micron |
| Jacket Construction | : 1 ply aluminium 2 ply polyester |
| Jacket Thickness | : 45 micron |
| Temperature Range | : -30 °C / +90 °C |
| Insulation - Thickness - Density | : Glass wool - 25 mm - 16 kg/m ³ |



*Information on the emission level of volatile substances into indoor air, presenting a risk of toxicity by inhalation, on a scale ranging from A+ (very low emissions) to C (high emissions)

164.112/1121/EWC MED0493






COMBIAFS

| | |
|--------------------------------|---|
| Duct Construction | : 3 ply aluminium 2 ply polyester 1 ply PVC (16P Free - According to REACH regulation) |
| Nominal Thickness | : 150 micron |
| Diameter Range (Ø) | : 52 - 800 mm |
| Wire Spacing | : 35 mm (Ø ≥ 127 mm) |
| Operating Temperature Range | : -30 °C / +150 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 10 m |
| Packing | : Special cardboard box |
| Reaction to Fire | : Fire retardant |
| Available Options Upon Request | : Customized lengths Private labeling Grey color White color |
| Certificates | : Class 0 (BS 476 part 6&7) |

Class 0
(BS 476 part 6&7)



COMBIAFS FORTE

| | |
|--------------------------------|---|
| Duct Construction | : 3 ply aluminium 2 ply polyester 1 ply PVC (16P Free - According to REACH regulation) |
| Nominal Thickness | : 150 micron |
| Diameter Range (Ø) | : 52 - 800 mm |
| Wire Spacing | : 18 mm (Ø ≥ 102 mm) |
| Operating Temperature Range | : -30 °C / +150 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 10 m |
| Packing | : Special cardboard box |
| Reaction to Fire | : Fire retardant |
| Available Options Upon Request | : Customized lengths Private labeling Grey color |
| Advantages | : Low pressure loss Minimum sag High Durability |
| Certificates | :  |



COMBIAFS-S

| | |
|--------------------------------|---|
| Duct Construction | : 1 ply aluminium 1 ply polyester 1 ply PVC |
| Nominal Thickness | : 110 micron |
| Diameter Range (Ø) | : 82 - 508 mm |
| Wire Spacing | : 30 mm (Ø ≥ 82 mm) 40 mm (Ø ≥ 127 mm) |
| Operating Temperature Range | : -30 °C / +120 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 10 m |
| Packing | : Single cardboard box |
| Available Options Upon Request | : Customized lengths Grey color |
| Certificates | : Class 0 (BS 476:Part 6&7) |



Class 0
(BS 476: Part 6&7)



PVCAFS

| | |
|--------------------------------|--|
| Duct Construction | : 1 ply PVC coated polyester fabric |
| Nominal Thickness | : 220 micron |
| Diameter Range (Ø) | : 52 - 800 mm |
| Wire Spacing | : 55 mm (Ø ≥ 127 mm) |
| Operating Temperature Range | : -30 °C / +70 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 6 m |
| Packing | : Single cardboard box |
| Available Options Upon Request | : Insulated type Rectangular type Customized lengths Bulk packing |

| | |
|--------------|--|
| Certificates | :  DIN 4102-B2 (Raw material) |
|--------------|--|



PVCAFS HEAVY

| | |
|-----------------------------|---|
| Duct Construction | : 1 ply PVC coated fabric (16P Free - According to REACH regulation) |
| Nominal Thickness | : 220 micron |
| Diameter Range (Ø) | : 52 - 800 mm |
| Wire Spacing | : 20 mm (Ø ≥ 68 mm) |
| Operating Temperature Range | : -30 °C / +70 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 6 m |
| Packing | : Single cardboard box |

| | |
|------------|--|
| Advantages | : Suitable for negative pressure applications. |
|------------|--|

| | |
|--------------|--|
| Certificates | :  DIN 4102-B2 (Raw material) |
|--------------|--|





PVCAFS.M1

| | |
|--------------------------------|---|
| Duct Construction | : PVC coated polyester mesh fabric (16P Free - According to REACH regulation) |
| Nominal Thickness | : 330 micron |
| Diameter Range (Ø) | : 52 - 800 mm |
| Wire Spacing | : 55 mm (Ø ≥ 127 mm) |
| Operating Temperature Range | : -30 °C / +70 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 6 m |
| Packing | : Special design cardboard box |
| Available Options Upon Request | : Insulated type Rectangular type Customized lengths Bulk packing |

Certificates : MI (France)



PEAFS

| | |
|-----------------------------|------------------------|
| Duct Construction | : 1 ply PE |
| Nominal Thickness | : 100 micron |
| Diameter Range (Ø) | : 82 - 800 mm |
| Wire Spacing | : 55 mm (Ø ≥ 127 mm) |
| Operating Temperature Range | : -30 °C / +70 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 10 m |
| Packing | : Single cardboard box |

ISOAFS PE

| | |
|----------------------------------|--|
| Inner Duct Construction | : 1 ply PE |
| Nominal Thickness of Inner Duct | : 100 micron |
| Jacket Construction | : 1 ply PE |
| Nominal Thickness of Jacket | : 100 micron |
| Insulation - Thickness - Density | : Yellow glass wool - 25 mm - 16 kg/m ³ |
| Diameter Range (Ø) | : 82 - 800 mm |
| Wire Spacing | : 55 mm (Ø ≥ 127 mm) |
| Operating Temperature Range | : -30 °C / +70 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 10 m |
| Packing | : Single cardboard box |

ISOAFS PE.W

| | |
|--------------------------------------|--|
| Inner Duct Construction | : 1 ply PE |
| Nominal Thickness of Inner Duct | : 100 micron |
| Jacket Construction | : 1 ply PE |
| Nominal Thickness of Jacket | : 100 micron |
| Insulation - Thickness - Unit Weight | : Polyester Fiber-25 mm - 225 g/m ³ |
| Diameter Range (Ø) | : 82 - 800 mm |
| Wire Spacing | : 55 mm (Ø ≥ 127 mm) |
| Operating Temperature Range | : -30 °C / +70 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 10 m |
| Packing | : Single cardboard box |



VINYLAFS



| | |
|--------------------------------|---|
| Duct Construction | : 1 ply PVC (16P Free - According to reach regulation) |
| Nominal Thickness | : 60 micron |
| Diameter Range (Ø) | : 82 - 203 mm |
| Wire Spacing | : 40 mm (Ø ≥ 127 mm) |
| Temperature Range | : -20 °C / +70 °C |
| Air Velocity | : 20 m/s (max) |
| Operating Pressure | : 1500 Pa (max) |
| Standard Length | : 6 m |
| Packing | : Special design cardboard box |
| Reaction to Fire | : Fire retardant |
| Available Options Upon Request | : White and black color options Rectangular type Customized lengths Plastic bag packing Bulk packing Shrink packing Net packing KIT applications |

Certificates



ISOAFS-VINYL



| | |
|----------------------------------|--|
| Inner Duct Construction | : 1 ply PVC (16P Free - According to reach regulation) |
| Nominal Thickness of Inner Duct | : 60 micron |
| Jacket Construction | : 1 ply PE |
| Nominal Thickness of Jacket | : 50 micron |
| Insulation - Thickness - Density | : Glass wool - 25 mm - 14 kg/m³ |
| Diameter Range (Ø) | : 82-203 mm |
| Wire Spacing | : 40 mm (Ø ≥ 127 mm) |
| Operating Temperature Range | : -20 °C / +70 °C |
| Air Velocity | : 20 m/s (max) |
| Operating Pressure | : 1500 Pa (max) |
| Standard Length | : 6 m |
| Packing | : Net packing |
| Available Options Upon Request | : Customized lengths White PVC color White polyester insulation 40 & 50 mm Glass wool Insulation Net packing |

Certificates



ISOAFS-ALU UL

| | |
|----------------------------------|--|
| Inner Core | : 2 ply polyester film + 1 ply aluminium film Encapsulated zinc coated steel wire helix |
| Vapor Barrier | : Fiberglass reinforced multilayer aluminium / polyester |
| Nominal Diameter (Inches) | : 2" / 2,6" / 3,2" / 4" / 5" / 6" / 7" / 8" / 9" / 10" / 12" / 14" / 16" / 18" |
| Wire Spacing | : 40 mm ($\phi \geq 127$ mm) |
| Operating Temperature Range | : -18 °C / +130 °C (0 °F / 265 °F) |
| Insulation - Thickness - Density | : Ecosoft, formaldehyde free - 25 mm - 20 kg/m ³ Ecosoft, formaldehyde free - 50 mm - 20 kg/m ³ |
| Flame Spread Index | : < 25 |
| Smoke Developed Index | : < 50 |
| Max. Rated Velocity | : 15 m/s (3000 ft / min) |
| Max. Rated Positive Pressure | : 3000 Pa (max) (12 in WC) |
| Max. Rated Negative Pressure | : 150 Pa (0.6 in WC) |
| R-Value | : 4.2 (10 °C) |
| R-Value (50 mm) | : 8.4 (10 °C) |
| Standard Length | : 7,6 m (25 ft) |
| Packing | : 1 piece per poly-bag / 1 piece per carton |
| Certificates | : UL 181 |



ISOAFS-POLY

| | |
|----------------------------------|---|
| Inner Duct Construction | : 2 ply black polyester |
| Nominal Thickness of Inner Duct | : 30 micron |
| Jacket Construction | : 2 ply metallized polyester |
| Nominal Thickness of Jacket | : 30 micron |
| Insulation - Thickness - Density | : Glass wool - 25 mm - 16 kg/m ³ |
| Diameter Range (Ø) | : 82 - 508 mm |
| Wire Spacing | : 50 mm ($\phi \geq 140$ mm) |
| Operating Temperature Range | : -30 °C / +120 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 7.6 m |
| Packing | : Single cardboard box |
| Available Options Upon Request | : White polyester insulation 40 & 50 mm Glass wool insulation PE jacket |





Class 0
(BS 476 part 6&7)
& M1

ISOAFS-ALU SHINE

| | |
|----------------------------------|---|
| Inner Duct Construction | : 2 ply polyester 1 ply aluminium |
| Nominal Thickness of Inner Duct | : 45 micron |
| Jacket Construction | : 1 ply aluminium 2 ply polyester |
| Nominal Thickness of Jacket | : 45 micron |
| Insulation - Thickness - Density | : Glass wool - 25 mm - 14 kg/m ³ |
| Diameter Range (Ø) | : 52 - 800 mm |
| Wire Spacing | : 40 mm (Ø ≥ 127 mm) |
| Operating Temperature Range | : -30 °C / +120 °C |
| Air Velocity | : 30 m/s (max) |
| Operating Pressure | : +3000 Pa (max) |
| Standard Length | : 10 m |
| Packing | : Single cardboard box |
| Certificates | : Class 0 (BS Part 6&7) M1 (France) |



INTERLOCKED

SEMIAFS

| | |
|--------------------------------|---|
| Duct Construction | : Corrugated aluminium continuous interlock system |
| Nominal Thickness | : 90 micron |
| Diameter Range (Ø) | : 80 - 800 mm |
| Operating Temperature Range | : -25 °C / +250 °C |
| Air Velocity | : 25 m/s (max) |
| Operating Pressure | : +5000 Pa (max) |
| Standard Length | : 1.5 m / 3.0 m / 5.0 m Compression ratio 1/3 |
| Packing | : Single nylon package (Bulk packing) |
| Reaction to Fire | : Non-combustible |
| Available Options Upon Request | : Customized lengths 120 micron aluminium Bulk packing |
| Certificates | : Class A1 (EN 13501-1) Flame Spread Index: 0 Smoke Developed Index: 0 [UL 723 as per UL 181] Letter / MED approval without testing |



HYDROPONIC ALUAFS SHINE

| | |
|-----------------------------|---|
| Duct Construction | : 1 ply Al + 2 ply Poly [1 ply Al + 1 ply Poly + black dye + 1 ply Poly (Outer to Inner)] |
| Nominal Thickness | : 45 micron |
| Diameter Range (∅) | : 102 - 356 mm |
| Wire Spacing | : 40 mm (≥ ∅ 127 mm) |
| Color | : Aluminium (Outer Face) - Black (Inner Face) |
| Operating Temperature Range | : -30 °C / +120 °C |
| Air Velocity | : 30 m/s (max.) |
| Operating Pressure | : +3000 Pa (max.) |
| Standard Length | : 5 m / 10 m |
| Packing | : Single Box : Ventilation heating and cooling Hydroponic ventilation |
| Application Areas | : Low and medium pressure applications |



HYDROPONIC COMBIAFS.S WHITE

| | |
|-----------------------------|--|
| Duct Construction | : 1 ply Al + 2 ply Poly + 1 ply PVC (70μ) |
| Nominal Thickness | : 115 micron |
| Diameter Range (∅) | : 102 - 508 mm |
| Wire Spacing | : 40 mm (≥ ∅ 127 mm) |
| Color | : White (Outer Face) Black (Inner Face) |
| Operating Temperature Range | : -30°C / +120°C |
| Air Velocity | : 30 m/s (max.) |
| Operating Pressure | : +3000 Pa (max.) |
| Standard Length | : 10 m |
| Packing | : Single Box |
| Application Areas | : Ventilation heating and cooling Hydroponic ventilation Low and medium pressure applications Applications where mechanical strength against exterior influences is required |



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HYDROPONIC COMBIAFS.S BLACK

| | |
|-----------------------------|--|
| Duct Construction | : 1 ply Al + 2 ply Poly + 1 ply PVC (80 μ) |
| Nominal Thickness | : 115 micron |
| Diameter Range (∅) | : 102 - 356 mm |
| Wire Spacing | : 40 mm (≥ ∅ 127 mm) |
| Color | : Black (Outer Face) Black (Inner Face) |
| Operating Temperature Range | : -30°C / +120°C |
| Air Velocity | : 30 m/s (max.) |
| Operating Pressure | : +3000 Pa (max.) |
| Standard Length | : 5 m (Standard 6 m Box) 10 m (Standard Combi Box) |
| Packing | : Single Box |
| Application Areas | : Ventilation heating and cooling Low and medium pressure applications Applications where mechanical strength against exterior influences is required |



NYLON CLAMPS & PLIERS

- Nylon clamps are specifically produced for all kinds of flexible air duct connections as an economical alternative.
- Nylon clamp edges are rounded to provide safer working environment.
- Self-locking system makes it easy and quick to apply.
- Nylon clamp pliers are specifically produced for an easy application and tightening of Nylon Clamps.



TECHNICAL PROPERTIES

| MATERIAL | NYLON CLAMPS | | |
|----------|------------------------|--------|--------|
| | Application Range (mm) | W (mm) | L (mm) |
| | Ø 0 – 102 | 4.8 | 380 |
| | Ø 0 – 152 | 7.6 | 550 |
| | Ø 0 – 203 | 9.0 | 710 |
| | Ø 0 – 254 | 9.0 | 900 |

TAPE

| | PLAIN 30 Micron | PLAIN 40 Micron | PLAIN 50 Micron | REINFORCED |
|-----------------------------|---------------------|--------------------|--------------------|---------------|
| Tensile Strength | 37.5 N / 25 mm | 50 N / 25 mm | 70 N / 25 mm | 120 N / 25 mm |
| Length | 40 m | 50 m | 40 m | 40 m |
| Service Temperature | -20°C / +120°C | -20°C / +120°C | -20°C / +120°C | -30°C / +80°C |
| Applying Temperature | +10°C / +40°C | | | |
| Standart Dimensions - width | 48 mm, 72 mm, 96 mm | | | |



PACKING

| AFSTAPE Width | Box dimension cm x cm x cm | | Pieces/box |
|---------------|-------------------------------|------------|------------|
| 48 mm | Plain | Reinforced | 24 |
| 72 mm | 25x25x30 | 29x29x30 | 16 |
| 96 mm | | | 12 |



PRE-CUTTED METAL CLAMPS

- Clamp Construction : AISI 430 Stainless Steel
- Locking Device Construction : Nickel plated housing, zinc plated screw
- Standard Length (Clamp) : 60/110 mm to 60/710 mm
- Clamp Width : 9 mm

| READY METAL CLAMPS | Prati 60/110 | Prati 60/135 | Prati 60/145 | Prati 60/165 | Prati 60/170 | Prati 60/215 | Prati 60/270 | Prati 60/325 | Prati 60/380 | Prati 60/425 | Prati 60/525 | Prati 60/660 | Prati 60/710 |
|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| LENGTH (mm) | 370 | 450 | 476,5 | 549 | 560 | 705 | 890 | 1055 | 1235 | 1405 | 1685 | 2100 | 2285 |



STRIP STEEL BANDING SYSTEM (Cassette Type)

- Clamp Construction : AISI 430 Stainless Steel
- Locking Device Construction : Nickel plated housing, zinc plated screw
- Packing (Clamp) : Single plastic cassette
- Quantity of Locking Devices : 50 pieces per box
- Standard Length (Clamp) : 30 m
- Clamp Width : 9 mm

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notice
the fresh air





Environment



IMSL



biolab



Flexible Air Ducts & Accessories



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