

FabricAir® Combi

FabricAir® Combi – the premium product line to choose when flexibility, durability, aesthetic and environmental issues are determining factors

- **6 DIFFERENT FABRICS BASED ON THE SAME STRUCTURE**
- **9 STANDARD COLOURS**
- **10-YEAR WARRANTY (OPTIONAL)**
- **OEKO-TEX APPROVED**
- **EXCEPTIONALLY STRONG**
- **LOW MAINTENANCE COST**
- **PERMEABLE AND NON-PERMEABLE SOLUTIONS IN SAME PRODUCT LINE**
- **FLAME RETARDANT (OPTIONAL)**
- **ACTIVE ANTIMICROBIAL AGENT (OPTIONAL)**

Certificate of
Registration
File Number:

A13655



ISO9001:2000

FabricAir

FabricAir® Combi



| | UL 723 NFPA 90A | DIN 4102 | NF P 92-503 | NF P 92-504 | C.S.E., RF 1/75A | C.S.E., RF 3/77 | SIS 650082 |
|----------|-----------------|----------|-------------|-------------|------------------|-----------------|------------|
| Combi 20 | ✓ | B1 | M1 | CLASS 1 | ✓ | | |
| Combi 60 | | B2 | M3 | | | | |
| Combi 70 | ✓ | B1 | M1 | CLASS 1 | ✓ | | |
| Combi 80 | ✓ | B1 | M1 | CLASS 1 | ✓ | | |
| Combi 85 | ✓ | B1 | M1 | CLASS 1 | ✓ | | |
| Combi 90 | ✓ | B1 | M1 | CLASS 1 | ✓ | | |

About FabricAir® Combi

FabricAir® Combi is available with both permeable and non-permeable fabric. The fabric is strong and durable - it comes with a 10-year warranty (FabricAir® Combi 20 is 5 year). FabricAir® Combi is Oeko-Tex certified. All suspension types can be used, including All-in-One. This method of installation keeps the duct open and stretched out at all times, even when the air flow is switched off.

FabricAir® Combi is machine washable and retains its dimensions after washing (max. 0.5% shrinkage). The permeability is uniform (max. 5% variation). The fabric is available in nine standard colours and can be dyed in special colours. FabricAir® Combi 80 and Combi 90 comes with a specially developed anti-microbial treatment, which is especially suited for areas with strict hygiene requirements.

FABRICAIR® COMBI 20



FABRICAIR® COMBI 60



FABRICAIR® COMBI 70



FABRICAIR® COMBI 80



FABRICAIR® COMBI 85

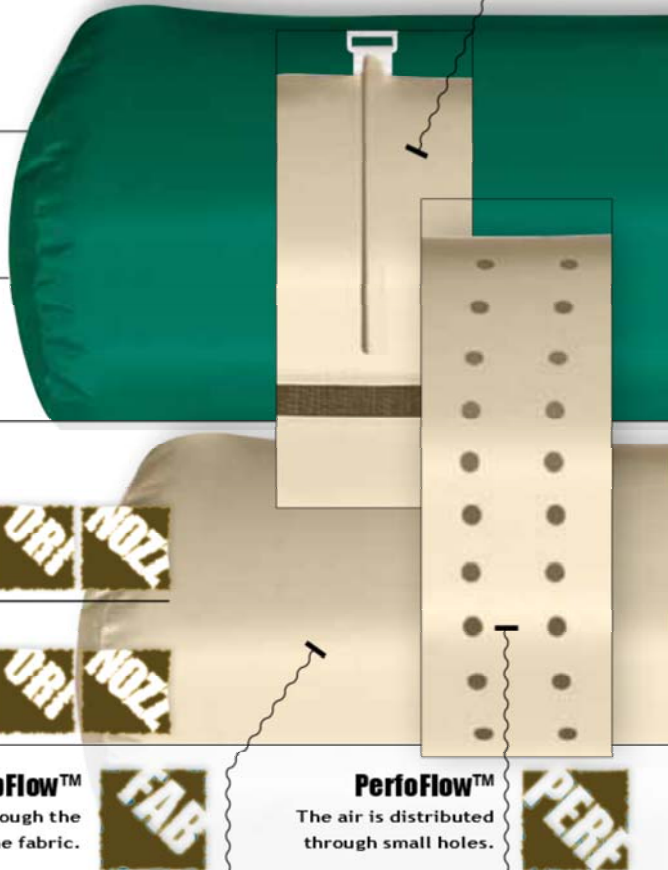


FABRICAIR® COMBI 90



ALL-IN-ONE

Optionally, FabricAir® Combi can be supplied with All-in-One support hoops which keep the duct open permanently.



FabFlow™

The air is distributed through the entire surface of the fabric.




PerfoFlow™

The air is distributed through small holes.



Standard Fabric Colours
The colours shown are intended as a guide only. A sample of the exact colour may be obtained at FabricAir®.



Standard Colours for Accessories
The colours of the accessories are matched with the fabric colours as shown. Alternative requests must be stated separately.

| White 3000 | Blue 3001 | Orange 3002 | Dark Grey 3003 | Black 3004 | Red 3005 | Light Grey 3006 | Green 3007 | Tan 3008 | FabricAir® NO. Pantone TP® |
|---------------|--------------|----------------|-------------------|---------------|-------------|--------------------|---------------|-------------|-------------------------------|
| None | 19-4056 | 14-0955 | 18-4105 | 19-1763 | 18-1764 | 14-0105 | 17-5633 | 12-0710 | |
| | | | | | | | | | Nozzles |
| | | | | | | | | | Sliders |
| | | | | | | | | | Hooks |
| | | | | | | | | | Mesh |

Duct Profile

| Standard | | Extra | | |
|----------|------------|---------------|----------------|-------------|
| Round | Half round | Quarter round | Circle section | Rectangular |
| | | | | |

* Note: The Pantone TP code roughly corresponding to FabricAir®'s colours is indicated here. Differences in colours must be expected and FabricAir® cannot be held responsible for such differences.

ZIP FASTENER

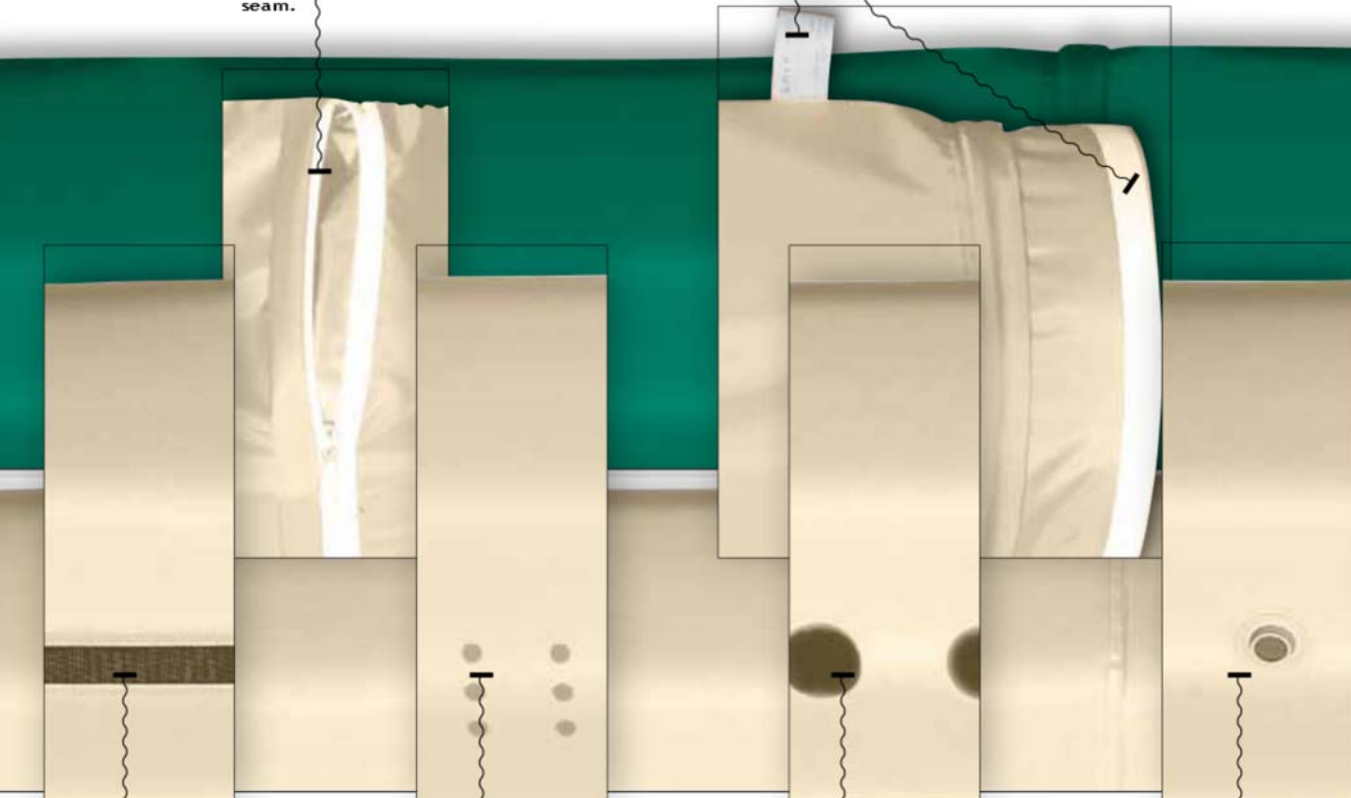
The sections are assembled with heavy-duty industrial zip fasteners, discreetly hidden under an extra seam.

TAG NUMBER

Each duct section is labelled with a tag number, which indicates the order of assembly. Furthermore, it contains an ID number, which makes the tracking easier.

SAFE MOUNTING

Fabric ducts connected to sheet metal systems are secured using a pinch-down duct belt.



MeshFlow™

The air is distributed through a lengthwise mesh.



SonicFlow™

The air is distributed through lengthwise rows of small holes.



OriFlow™

The air is distributed through large holes.

NozzFlow™

The air is distributed through nozzles that accurately control the direction.





COMBI20 COMBI 60 COMBI 70 COMBI80 COMBI 85 COMBI 90

DESCRIPTION

Specially woven polyester fabric, designed for use in FabricAir® Dispersion Systems.

| | | | | | | | | |
|------------------------|--|-----------|-----------|-----------|-----------|------------|------------|--|
| Flow models available: | | FabFlow™ | FabFlow™ | FabFlow™ | FabFlow™ | PerfoFlow™ | PerfoFlow™ | |
| | | MeshFlow™ | MeshFlow™ | MeshFlow™ | MeshFlow™ | MeshFlow™ | MeshFlow™ | |
| | | NozzFlow™ | NozzFlow™ | NozzFlow™ | NozzFlow™ | NozzFlow™ | NozzFlow™ | |
| | | | | | | OriFlow™ | OriFlow™ | |

CONSTRUCTION

| | | | | | | | | |
|--------------|---|----------|----------|----------|----------|-------|-------|-------------------|
| Weight | g/m ² | 260 | 273 | 290 | 290 | 300 | 300 | EN ISO 12127:1997 |
| | oz/yd ² | 7.67 | 8.02 | 8.50 | 8.50 | 8.80 | 8.80 | |
| Thickness | mm | 0.40 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | EN ISO 5084:1996 |
| | Inch | 0.016 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | |
| Permeability | m ³ /m ² /h at 120 Pa | 40 (±5%) | 40 (±5%) | 40 (±5%) | 40 (±5%) | 0 | 0 | EN ISO 9237:1995 |
| | CFM/ft ² at 0.5" Static | 2 (±5%) | 2 (±5%) | 2 (±5%) | 2 (±5%) | 0 | 0 | |

PROPERTIES

| | | | | | | | | |
|------------------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|
| Strength - Warp | N | 2400 | 2700 | 2700 | 2700 | 2700 | 2700 | EN ISO 13934-1 |
| Strength - Weft | | 800 | 900 | 900 | 900 | 900 | 900 | |
| Shrinkage | % at 40°C | Max. 0.5% | Max. 0.5% | Max. 0.5% | Max. 0.5% | Max. 0.5% | Max. 0.5% | EN ISO 5077 |
| | % at 104°F | | | | | | | |
| Heat Resistance - continuous | °C | +140 | +140 | +140 | +140 | +140 | +140 | |
| | °F | +284 | +284 | +284 | +284 | +284 | +284 | |
| Heat Resistance - softening | °C | +235 | +235 | +235 | +235 | +235 | +235 | |
| | °F | +455 | +455 | +455 | +455 | +455 | +455 | |

TREATMENTS/COATINGS

| | | | | | | | | |
|--|-----------------|---|---|-----------------|-----------------|-----------------|-----------------|-----------------|
| | Flame retardant | - | - | Flame retardant | Flame retardant | Flame retardant | Flame retardant | Flame retardant |
| | - | - | - | - | Antimicrobial | - | - | Antimicrobial |
| | - | - | - | - | - | - | Non-permeable | Non-permeable |

CODE COMPLIANCE

| | | | | | | | | |
|------------------|--------------|-----|----|-----|-----|-----|-----|--|
| DIN 4102 | [A2, B1, B2] | B1 | B2 | B1 | B1 | B1 | B1 | |
| NF P 92-503 | [M0, M1, M3] | M1 | M3 | M1 | M1 | M1 | M1 | |
| NF P 92-504 | | | | | | | | |
| UL 723/NFPA 90 A | [Yes/No] | yes | No | yes | yes | yes | yes | |

ADDITIONAL APPROVALS

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Oeko-Tex | Approved | Approved | Approved | Approved | Approved | Approved | Approved | |
|----------|----------|----------|----------|----------|----------|----------|----------|--|

DISCLAIMER

FabricAir® believes that all data, statements, technical information, etc., listed in this Technical Data Sheet regarding the product and the use of the product are accurate and reliable. However, the product will only be covered by FabricAir®'s guarantees or warranty if the final use for the product has been approved by FabricAir® in writing. No representative is authorized to approve the final use of the product on behalf of FabricAir®.

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|---|--|---|---|---|
| FabricAir A/S Islandsvej 3 4681 Herfølge Denmark Phone (+45) 5665 2110 Fax (+45) 5665 9907 | FabricAir, Inc. 312-A Swanson Drive Lawrenceville, GA 30043 USA Phone (+1) 502 493-2210 Fax (+1) 502 493-4002 | FabricAir Ltd. 2 Sherwood Crescent Rotherham, S60 2NJ United Kingdom Phone (+44) 01709 835989 Fax (+44) 01709 835987 | FabricAir Turkey Ltd. Şair Eşref Bulv. No: 6/801 35230 Çankaya, İzmir Turkey Phone (+90) 232 446 34 58 Fax (+90) 232 446 34 68 | UAB FabricAir Pramonės 31 62175 Alytus Lithuania Phone (+37) 0315 78723 Fax (+37) 0315 77315 |
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FabricAir
info@fabricair.com
www.fabricair.com

Certificate of Registration
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A13655

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