

## FABRICAIR COMBI 90



FabricAir® Combi is available as permeable and non-permeable fabrics. All fabric variants are exceptionally strong and durable and come with 5 or 10-year warranties.

FabricAir® Combi is Oeko-Tex 100 certified. The fabric is machine washable and retains its dimensions after washing (max. 0.5% shrinkage). The permeability is uniform (max. 5% variation).

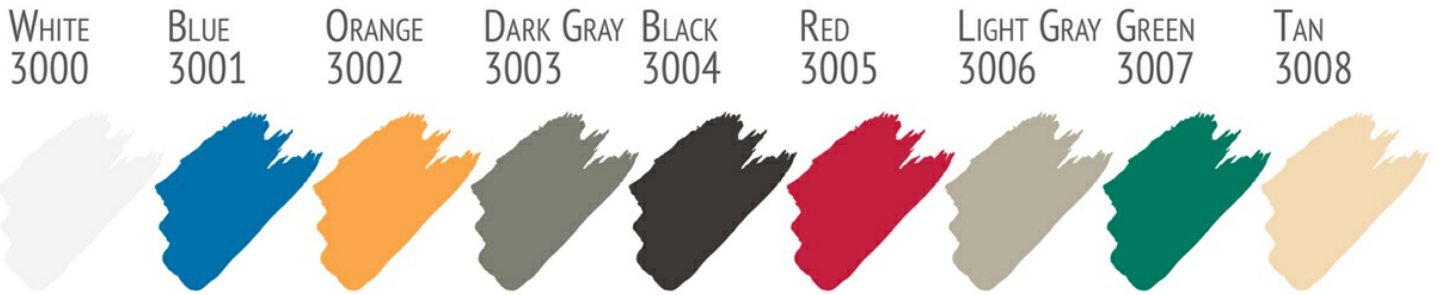
FabricAir® Combi 80 and Combi 90 are supplied with an antimicrobial treatment, which is specially developed for areas with strict hygiene requirements.

The fabric is supplied in standard colors, with the option of surface print and other custom prints.

## FEATURES

- ✓ Anti-microbial
- ✓ Non-permeable
- ✓ Durable and strong weave
- ✓ Flame retardant fabric
- ✓ Certificate, Oeko-Tex standard 100
- ✓ All-in-One Support
- ✓ Internal 360° Hoops

# STANDARD COLORS



<i>DYE COLOR</i>	<i>SURFACE PRINT</i>	<i>GRAPHIC PRINT</i>
------------------	----------------------	----------------------

FabricAir Combi  
20, 60, 70 and 80

Dye	Coloring	Seamless Patterns	Artwork	Logos	Lettering
-			✓	✓	✓

The fabric is non-permeable and comes with a 10 year warranty. It is supplied with a specially developed anti-microbial treatment, which is especially suited for areas with strict hygiene requirements.

## PROFILES



### ROUND

FabricAir round duct is the most commonly used duct profile and is typically



### D-SHAPED / HALF-ROUND



## CIRCLE SECTION

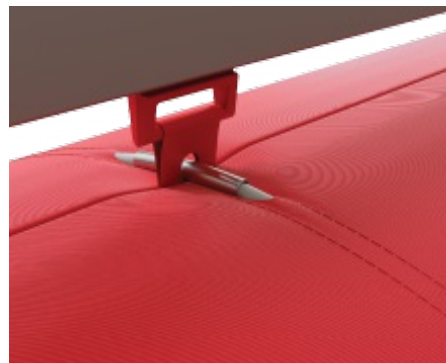
The Circle Section duct can be used when there is a hard ceiling to attach to. Typically this profile is



## RECTANGULAR



## FABRICAIR® VARIODUCT™



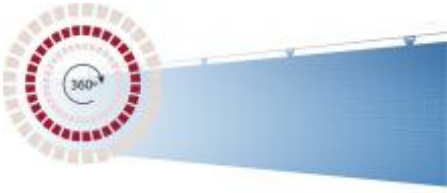
## INTERNAL 360° HOOPS

Internal 360° Hoops



## ALL-IN-ONE SUPPORT

# FLOW MODELS



## MICROFLOW™

With MicroFlow™ the air exits the duct via laser cut micro-perforations along the circumference of the



## PERFOFLOW™

With PerfoFlow™ the air exits the duct via laser cut perforations along the circumference of the duct.



## SONICFLOW™

SonicFlow™ is a directional flow model where the air exits the duct via rows of laser cut



## ORIFLOW™

OriFlow™ is a directional flow model where the air exits the duct via rows of laser cut orifices. Multiple



## NOZZFLOW™

NozzFlow™ is used in applications where very precise directional airflow is needed. The discharge



## JETFLOW™

JetFlow™ is capable of generating exceptionally long throws through the use of conical jets in

# DOWNLOAD CERTIFICATES

Fire certificates EN-13501-1:2009  
- Combi 90

# DATA SHEET

## CONSTRUCTION

Fabric type:	Polyester		
Weight	300 g/m <sup>2</sup>		
	8.80 oz/yd <sup>2</sup>	<u>EN ISO 12127:1997 (ASTM D3776-96)</u>	
Thickness:	0.45 [0.018] mm [inch]		
	<u>EN ISO 5084:1996 (ASTM D1777-96)</u>		
Permeability:	0 (±5%) m <sup>3</sup> /m <sup>2</sup> /h at 120 Pa		
	0 (±5%) [CFM/ft <sup>2</sup> at 0.5" Static]		
	<u>EN ISO 9237:1995 (ASTM D737, Frazier)</u>		

## PROPERTIES

Strength - Warp:	2700 N	<u>EN ISO 13934-1</u>
Strength - Weft:	900 N	<u>EN ISO 13934-1</u>
Shrinkage:	0.5 % Max. °C [°F]	<u>EN ISO 5077</u>
Heat resistance - continuous:	140 [284] °C [°F]	
Heat resistance - softening:	235 [455] °C [°F]	

## TREATMENT/COATINGS

## CODE COMPLIANCE

EN 13501-1:	B-s1, d0	<u>EN 13501-1</u>
GB 8624:	B-s1,d0t1	<u>GB 8624</u>
GOST:	Yes	
UL 723:	Yes	<u>UL 723</u>
ULC S102.2:	Yes	
Fire retardant:	M1	<u>NF P 92-507</u>

## PERFORMANCE CERTIFICATES

UL 2518:	Yes	<u>UL 2518</u>
----------	-----	----------------

## ADDITIONAL APPROVALS

OEKO-TEX®:	Approved	<u>OEKO-TEX® Standard 100</u>
------------	----------	-------------------------------

All-in-One available: Yes

## 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®.*

## VARIATIONS OF THE FABRIC

Combi

	<b>Permeable</b>	<b>Flame Retardancy</b>	<b>Antistatic</b>	<b>Anti-microbial</b>	<b>Warranty</b>
<u>Combi 20</u>	✓	<u>Flame Retardant</u>			<u>5</u>
<u>Combi 30</u>		<u>Flame Retardant</u>			<u>5</u>
<u>Combi 60</u>	✓				<u>10</u>
<u>Combi 65</u>					<u>10</u>
<u>Combi 70</u>	✓	<u>Flame Retardant</u>			<u>10</u>
<u>Combi 80</u>	✓	<u>Flame Retardant</u>		✓	<u>10</u>
<u>Combi 85</u>		<u>Flame Retardant</u>			<u>10</u>
<u>Combi 90</u>		<u>Flame Retardant</u>		✓	<u>10</u>

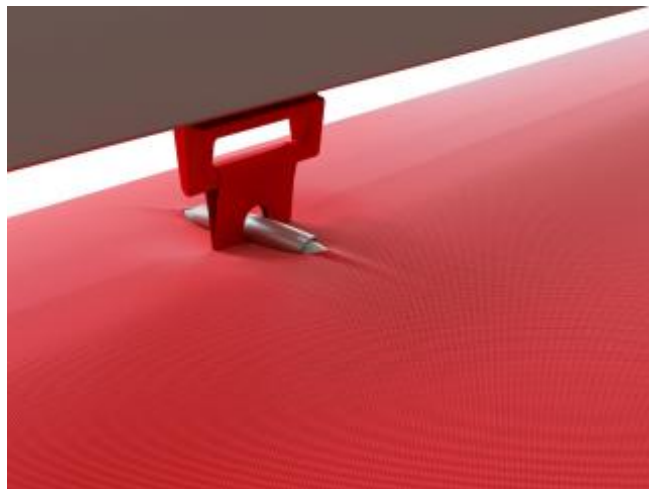
[ [Compare selection](#) ]

## CERTIFICATE COMPARISON

# COMPARE CERTIFICATES FOR FABRICAIR COMBI

	Combi 20	Combi 30	Combi 60	Combi 65	Combi 70	Combi 80	Combi 85	Combi 90
<b>EN 13501-1</b>	B-s1,d0	B-s1,d0			B-s1,d0	B-s1,d0	B-s1,d0	B-s1, d0
<b>UL 723</b>	Yes	Yes			Yes	Yes	Yes	Yes
<b>ULC S102.2</b>	Yes		Yes		Yes	Yes	Yes	Yes
<b>GB 8624</b>	B-s1,d0,t1	B-s1,d0,t1	B-s1,d0,t1	B-s1,d0,t1	B-s1,d0,t1	B-s1,d0,t1	B-s1,d0,t1	B-s1,d0t1
<b>UL 2518</b>	Yes	Yes			Yes	Yes	Yes	Yes
<b>GOST</b>	Yes				Yes	Yes	Yes	Yes
<b>Oeko- Tex Standard 100</b>	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved

## RELATED ARTICLES



### INTERNAL 360° HOOPS

The Internal 360° Hoops are mounted in sleeves on the inside of the ductwork creating a closed circuit around the circumference.





## ALL-IN-ONE SUPPORT

All-in-One Support consists of semi-circular hangers, made from anodized aluminum, sewn into pockets on the exterior of the duct at fixed intervals.

---