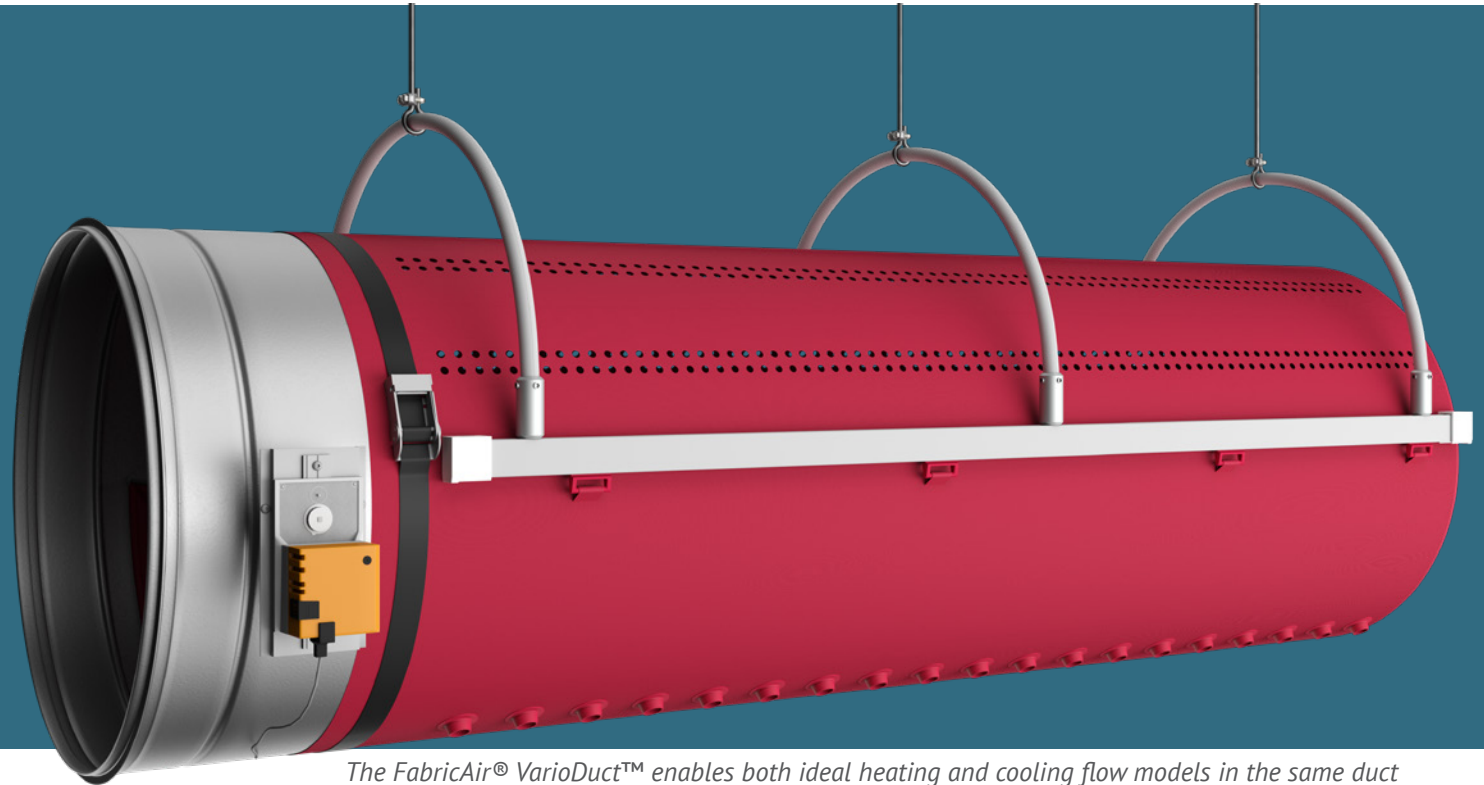


# FabricAir® VarioDuct™

—Two airflow solutions in one duct

SMART  
*air*  
SOLUTIONS



*The FabricAir® VarioDuct™ enables both ideal heating and cooling flow models in the same duct*

## ADVANTAGES

- ✓ HIGH HEATING AND COOLING CAPACITY
- ✓ NO COMPROMISE ON COMFORT LEVEL SWITCHING FROM HEATING TO COOLING
- ✓ FULL FLEXIBILITY WHEN IT COMES TO AIR VOLUMES, AIR PRESSURES AND TEMPERATURES
- ✓ EASY AND FAST INSTALLATION

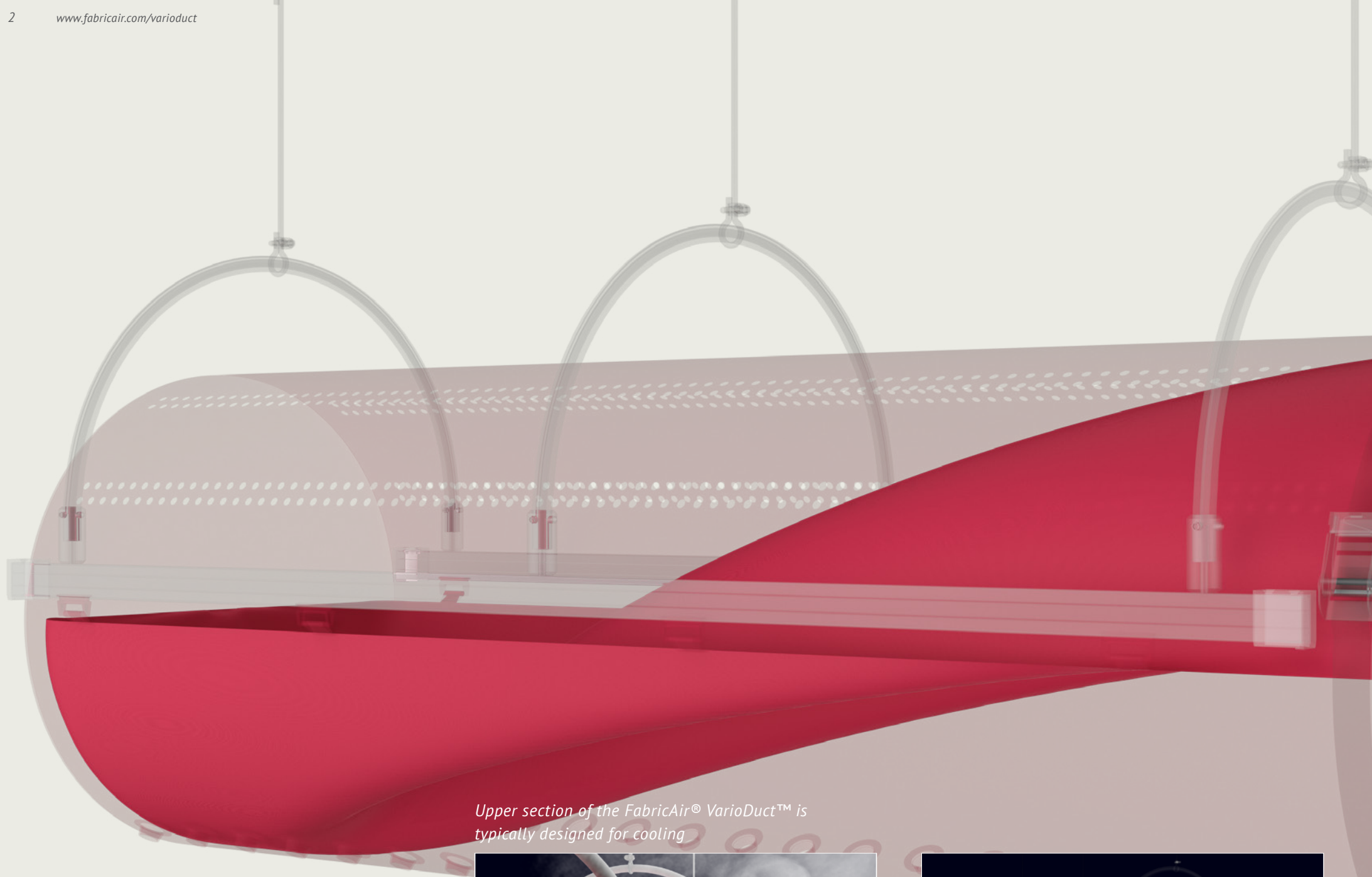
## Product Capabilities

The FabricAir® VarioDuct™ provides different flow models for cooling and/or heating purposes. It is tailored with an internal membrane that separates the two airflows.

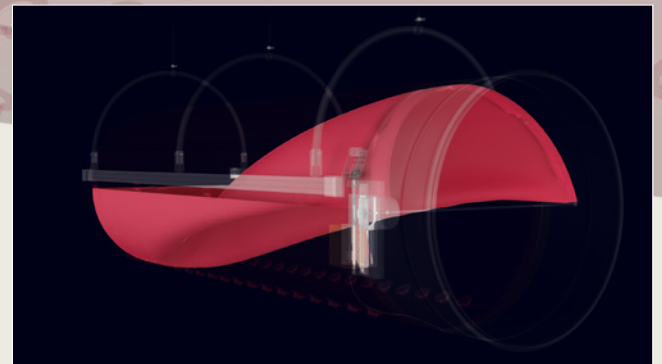
Depending on which flow pattern location is needed, a damper changes position and moves the internal membrane either up or down covering half of the duct.

The upper and lower sections can even be designed with their own unique static pressure and air volume to meet the specific requirements and comfort levels of the application.

$\Delta T$  may vary from low to high between the two sections. This is customized using differing flow models, thus ensuring a high level of comfort regardless of which section is in use.



*Upper section of the FabricAir® VarioDuct™ is typically designed for cooling*



## Damper Diameters\*

Metric Ø, mm	Weight kg	Imperial Ø, inch	Weight lbs
400	5,1	16	11.1
450	5,6	18	12.2
500	6,1	20	13.3
560	6,5	22	14.2
630	7,4	24	16.2
710	8,2	28	18.1
800	10,8	32	23.7

\*Duct diameter depends on the diameter of the damper.

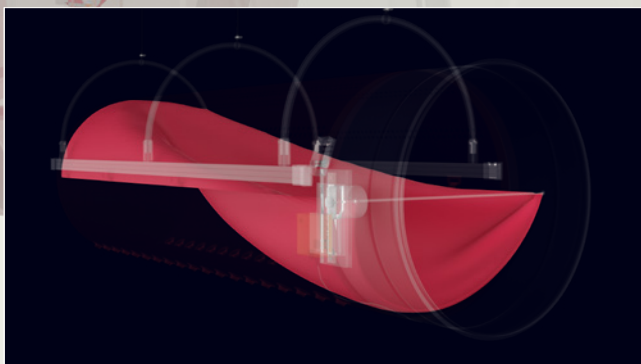
## Product Features

The FabricAir® VarioDuct™ features an internal membrane to separate the two airflows for heating and/or cooling purposes. This membrane is kept in place by the static pressure, thus does not flutter, providing the perfect airflow for each purpose; heating or cooling.

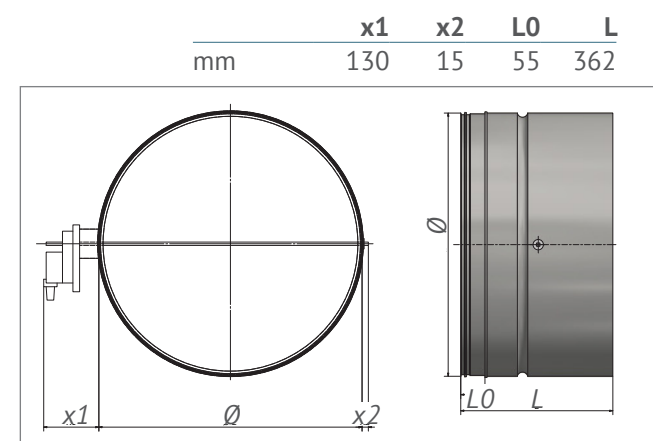
Connection between damper and membrane is one zipper away – fast and easy! The membrane solution is available for any length of straight and round duct without bends and elevations.

The damper is operated manually or automatically with a motorized actuator, allowing the membrane to switch positions. The damper can be controlled using a simple room sensor or via the building's BMS system.

Lower section of the FabricAir® VarioDuct™  
is typically designed for heating



Damper dimensions



# Data

## DAMPER\*

### Options Available

Connector	Male fitting to connecting ventilation system
Operation	Manual with a handle or automatic by actuator

\* The suspension for the damper is not included.

## ACTUATOR, MOTORIZED

Position on damper	3 or 9 o'clock
Voltage	24V or 110V or 230V
Cord length	1m [3 ft 3 in]
Cord position	6 or 12 o'clock
Temperature range	From -30°C [-22°F] to 50°C [122°F]
Relative humidity range	0-95%

## ACTUATOR, MANUAL

Temperature range	From -40°C [-40°F] to 140°C [284°F]
Relative humidity range	0-100%

## FABRIC

Fabrics	FabricAir® Trevira FabricAir® Combi
Membrane and it's color	The same as the duct



[www.fabricair.com/fabric-trevira](http://www.fabricair.com/fabric-trevira)



[www.fabricair.com/fabric-combi](http://www.fabricair.com/fabric-combi)

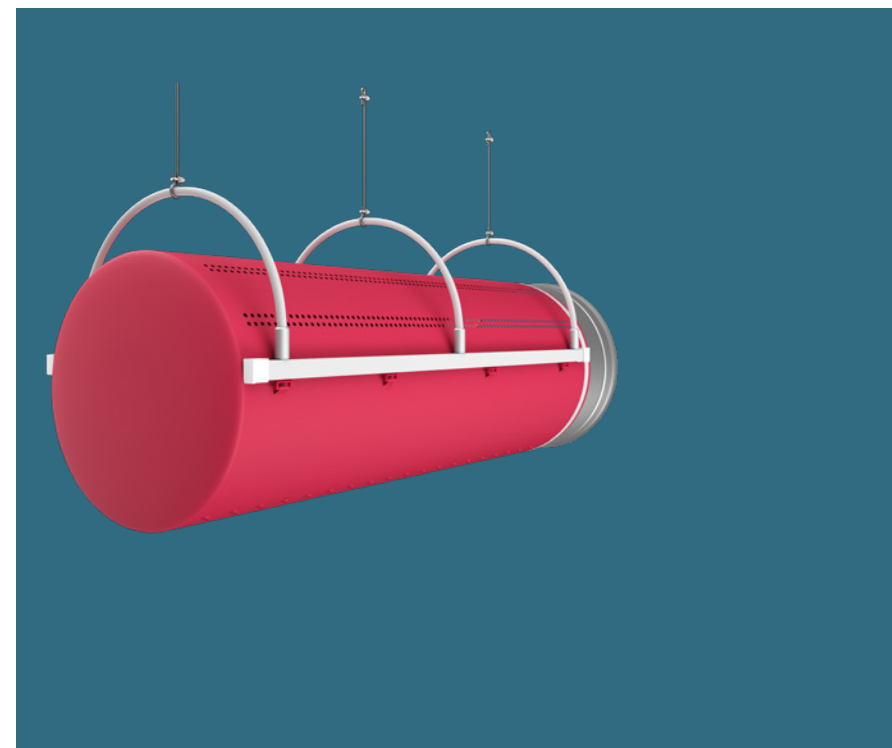
## SUSPENSION\*\*

System**	Type 1 All-in-One Type 2 Type 3 All-in-One Type 4 Type 5 All-in-One Type 6 Type 8 All-in-One Type 13
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[www.fabricair.com/suspensions](http://www.fabricair.com/suspensions)

\*\* As the damper is made from galvanized steel, we recommend galvanized or aluminum suspension solutions.



[www.fabricair.com/contacts](http://www.fabricair.com/contacts)



Our brand is built on trust and quality. We are ISO 9001 certified and our fabrics meet the leading standards and national codes. This is your guarantee that your Smart Air Solution represents the highest standards.

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