

Return Air System

smart air
solutions.

Complete Your Fabric Ventilation System

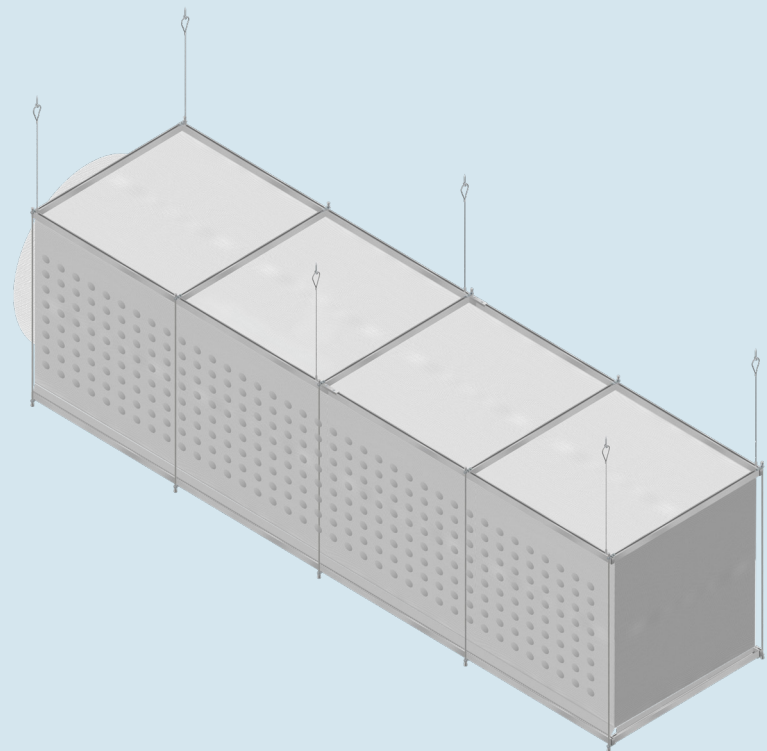
The FabricAir® Return Air System completes the fabric ventilation concept by combining supply and return air in one lightweight solution.

The Return Air System is a taut, rectangular fabric structure that draws contaminated, warm or humid air out of occupied spaces through an engineered perforated fabric surface running its full length.

It is designed for conventional ventilation systems, operating at low static pressure and low-to-medium velocity, which keeps the return quiet and energy efficient.

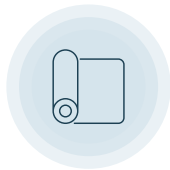
With supply and return both in fabric, the whole installation shares one look and one finish, the same nature of materials and the same opportunity to maintain the highest hygiene standards by washing.

It is engineered, delivered and installed as a complete fabric ventilation system for your room, by the same team, in a single visit, from one supplier.



Why Choose Fabric for the Return Air System?

The Return Air System completes your FabricAir installation. Supply and return work as one complete room ventilation system, delivering clean, fresh air to the room and drawing warm polluted air out in an energy efficient manner.



ONE SYSTEM. ALL IN FABRIC

Supply and return are engineered together, with the same nature of materials and a similar visual appearance throughout the space.



MINIMAL STRUCTURAL LOAD

Fabric ductwork weighs a fraction of equivalent sheet metal, significantly reducing load on the ceiling.



CORROSION RESISTANT

Fabric avoids the corrosion challenges associated with metal return ductwork in humid, chlorinated and other corrosive environments.



5× FASTER INSTALLATION & SIMPLIFIED LOGISTICS

A complete fabric supply and return system installs up to 5× faster than equivalent metal ductwork, while its low weight and compact volume simplify handling and shipping.



ONE SUPPLIER, SIMPLER INSTALLATION

One supplier for your room supply and return reduces on-site coordination, labor requirements and the need to manage a separate sheet-metal contractor.

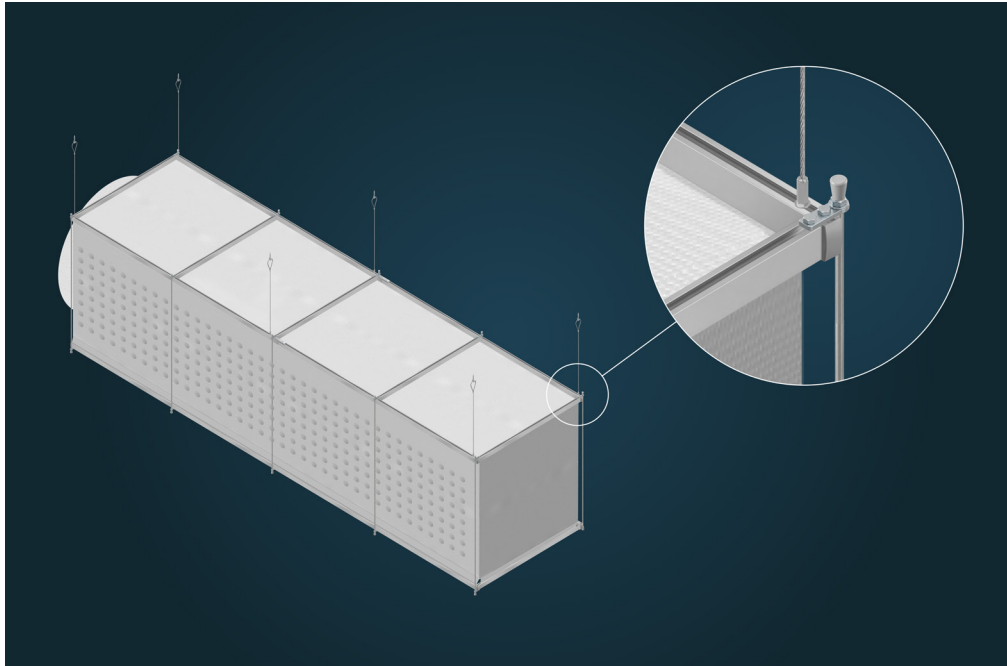


WASHABLE WHEN HYGIENE MATTERS

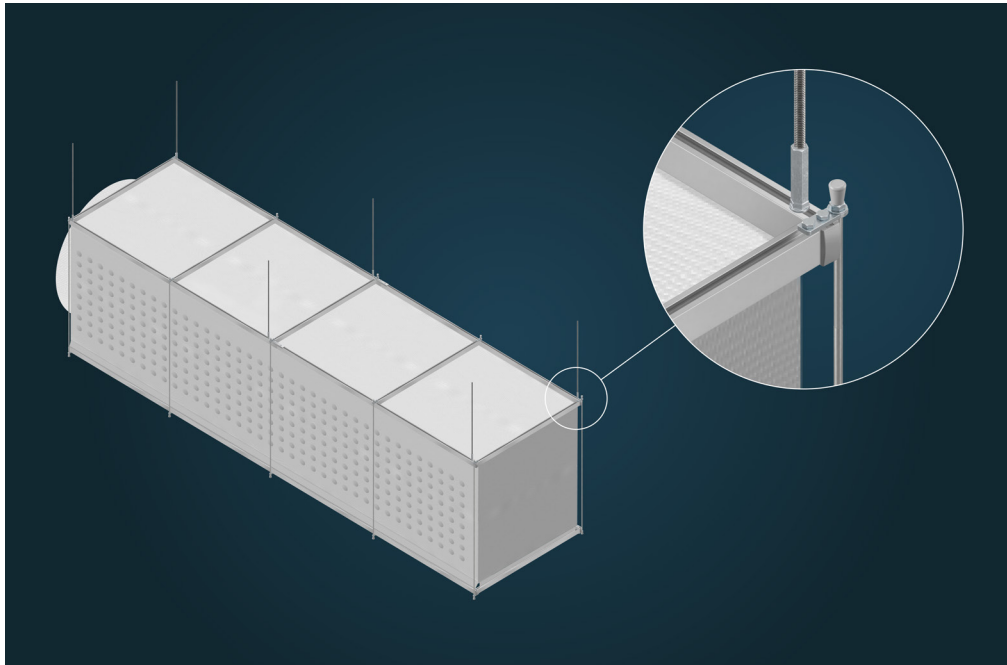
The fabric can be removed and washed when high hygiene standards require thorough cleaning, making the process significantly easier, quicker and cheaper than with metal return systems.

Simple Installation. Practical Maintenance.

Suspension options



Adjustable cable suspension



Threaded rod suspension

Both options use the same suspension frame to keep the fabric shape. Because the Return Air System is fabric on a lightweight integrated frame, it weighs a fraction of an equivalent sheet-metal return alternative, meaning less structural load on the ceiling, easier handling on site, and installation without heavy lifting equipment.

Easy to Maintain. Washable When Required.

Whatever the air return side is made from, they pull polluted air out of the room, so typically they naturally collect more dust and grime than the air supply side.

Cleaning may be desired due to hygienic or visual reasons over time. Depending on the application, routine cleaning can include wiping with a dry cloth, industrial vacuuming or compressed air.

For applications with the highest hygiene requirements, the fabric can be removed from the suspension frame, washed and easily reinstalled.



Applications

The FabricAir® Return Air System is particularly suited to projects where structural weight, corrosion resistance, hygiene, installation simplicity or visual integration are important design considerations.

The system operates at low static pressure and low-to-medium velocity, giving quiet, energy efficient air removal from environments that need noise-free operations, like schools.

Because it is finished in fabric, the system is a strong fit for swimming pools and other corrosive applications or hygiene-sensitive environments.

The system is lightweight, simple to install and easy to integrate visually. These qualities suit structurally constrained retrofits and historic buildings unable to sustain the weight of metal ducting. They also suit seismic-sensitive projects, where a heavier system can pose a risk of accident.



Swimming pools



Schools

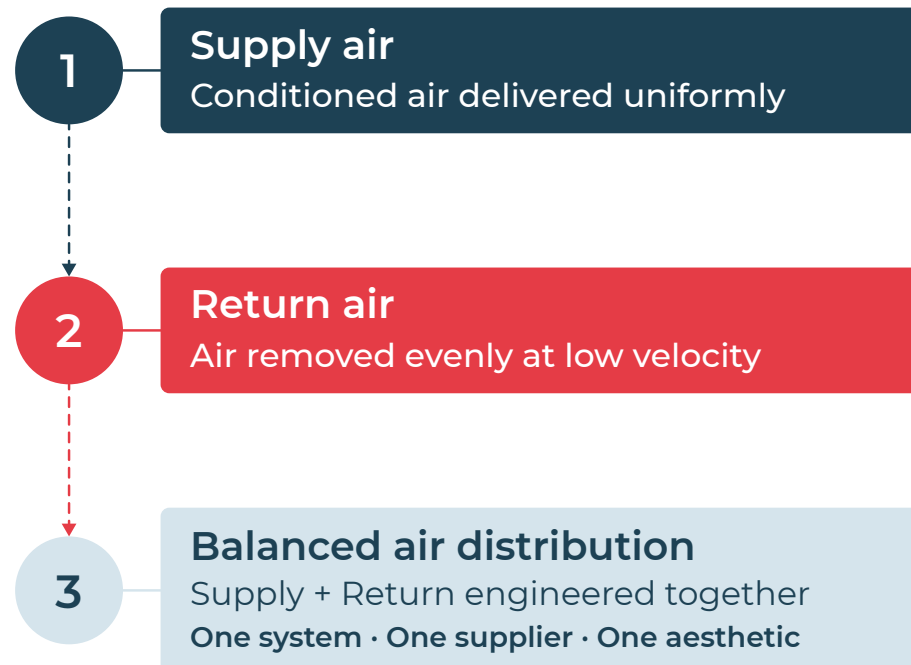


Retrofit projects

Visual options

FabricAir Return Air Systems match the same visual possibilities as Supply Air Systems: same standard colors, custom colors, printed seamless patterns and logos. Set to realize any interior ideas.

COMPLETE AIR DISTRIBUTION SYSTEM



smart air
solutions.

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

