



Indoor Farming

Tailored Air Distribution

Controlled airflow for stable growing environments

Indoor farming relies on precise control of temperature, humidity and airflow. Without a well-designed air distribution system, crops face uneven conditions, condensation risks and hygiene challenges. Prihoda fabric ducting systems deliver consistent airflow that creates the stable environment required for efficient and reliable production.

The challenge

Vertical farms, greenhouses and other indoor growing facilities often struggle with uneven air distribution. Heat and humidity can accumulate at higher levels, while condensation forms on walls, ceilings and growing racks. Maintaining hygiene is essential, but conventional metal ducts are difficult to clean, prone to corrosion and limited in flexibility – making them unsuitable for sensitive agricultural environments.

The solution

Prihoda fabric ducting is lightweight, flexible and hygienic. Our textile ducts distribute air evenly throughout the space, preventing condensation and ensuring consistent climate conditions across all levels of the growing area. Washable and available with antibacterial treatment, they help maintain cleanliness while supporting long-term reliability. Quick installation and modular design make them ideal for evolving layouts in indoor farms.

Why Prihoda?

Every farm has unique requirements. Prihoda designs air distribution systems tailored to specific layouts, whether for vertical farms, greenhouses or other controlled environments. Our Air Tailor design software provides accurate airflow calculations, pressure loss and noise predictions, with visualisations that ensure reliable performance before installation. Sustainable fabric options, including recycled polyester, further reduce the environmental footprint of modern farming operations.:



Even air distribution

consistent conditions across all growing levels



Lightweight design

reduces load and allows flexible installation



Hygienic, washable fabrics

easy to clean and maintain



Energy-efficient airflow

lower HVAC demand and costs



Optional antibacterial

treatment for enhanced protection



Sustainable solutions

available in recycled polyester



Trusted expertise

Prihoda air distribution systems are used in a wide range of controlled environment applications, from greenhouses and vertical farms to research laboratories. Our tailored air distribution ensures precise control of temperature, humidity and airflow, helping plants thrive and improving energy efficiency. With decades of experience, we deliver reliable, sustainable and high-performance solutions for modern indoor farming.

Compared to Metal Ducts

	Metal ducts	Fabric ducts
Weight	Heavy	Lightweight
Corrosion	High risk	Corrosion-free
Condensation	Frequent	Prevented
Maintenance	Complex, costly	Easy washing
Airflow	Uneven, draughts	Balanced, gentle
Noise	Turbulent, loud	Absorbed, quiet
Design freedom	Limited	Colours, shapes, prints

// Take the next step //

Get in touch with us to discuss your indoor farming project. We'll prepare a tailor-made airflow design for you.

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