

FAQ

Tailored Air Distribution

Question:

Do you need to insulate a fabric duct?

Answer:

Insulated fabric ducts are available – fabric systems cannot be insulated using traditional wraps but are constructed with integrated insulation during manufacturing.

Why insulate fabric ducts?

In applications where fabric ducts transport warm or cold air, temperature exchange with surrounding structures can lead to heat loss or gain. Cold air below dew point risks condensation on warmer surfaces, while warm air may lose heat rapidly when in contact with cooler ambient materials.

/ Integrated insulation construction

Prihoda's insulated fabric ducts are made by sandwiching insulation material between two layers of textile. Internal support rings maintain a round profile. Multiple insulation thicknesses are offered to meet specific thermal performance requirements, and each duct section is custom-fabricated to project specifications.

/ Diffusing cold air without insulation

For fabric ducts that diffuse air, separate insulation is unnecessary. Permeable fabric creates a micro-air barrier around the duct surface, preventing warm, moist room air from contacting cold sections and thus eliminating condensation risks without added insulation.

Key terms:

insulated fabric duct, integrated insulation, thermal performance, condensation prevention, permeable fabric, custom fabrication, support rings, insulation thickness, material construction, HVAC design



to learn more about how our fabric ducting systems support effective air distribution in different temperature conditions, visit our [Air Distribution page](#) or contact us via info@prihoda.com



Engineered air distribution



Quick and easy installation



Fast delivery



Easy Maintenance



Custom design



Long Warranty