

# FAQ

## Tailored Air Distribution

Question:

### What is the maximum height you can install a fabric duct?

Answer:

**It depends on the application, but in general, fabric ducts can be installed at heights of up to 20 metres – and sometimes even higher, depending on airflow conditions and system design.**

#### What affects mounting height?

The maximum installation height is influenced by the **temperature difference** between the supply air and the ambient room air. For example, when heating a space, warm air is lighter than the surrounding cooler air. This makes it harder for the supply air to travel downward into the occupied zone unless enough air pressure and directional control are provided.

#### / How we overcome height challenges

To address this, Prihoda uses **fabric nozzles** – large sewn-in outlets that direct air precisely into the space. With enough **external static pressure**, the nozzle ensures that the air reaches the desired distance, even from higher mounting points.

The smaller the temperature difference between supply and room air, the easier it is for the air to mix and reach the occupied zone. In cooling applications, this is less of a concern because cooler air naturally sinks.

#### / Design limits and support

In very extreme conditions, physical limits may prevent efficient air delivery from very high ducts. If that's the case, we'll always explain the limitations clearly and recommend what conditions are achievable with reliable performance.

## Key terms:

Prihoda, fabric ducting, high ceiling installation, air distribution, ventilation height, airflow direction, warm air supply, cooling airflow, large room ventilation, ducting system design, air pressure, air nozzles, HVAC system



to learn more about fabric duct installation at various heights and how we ensure effective air delivery, visit our [Air Distribution page](#) or contact our technical team via [info@prihoda.com](mailto:info@prihoda.com)



Engineered air distribution



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