

# FAQ

## Tailored Air Distribution

Question:

### Does fabric ducting need dampers?

Answer:

**Not generally** – fabric systems self-balance in closed installations, though dampers are recommended in mixed or open configurations.

#### **/ Closed-system balancing**

In fully closed Prihoda fabric installations, where all branches are diffusers with no open grilles, the system inflates and distributes air according to design without individual branch dampers. Each diffuser's pressure drop is pre-engineered to match the AHU's volume and static pressure, ensuring uniform airflow without manual balancing.

#### **/ Open-system commissioning**

When fabric ducts serve multiple spaces with varying diffuser types or grilles, adjustable dampers become necessary. Commissioning engineers use dampers to measure and modulate airflow at each branch, guaranteeing each outlet meets its design air volume and pressure.

#### **/ Operational isolation and control**

For applications requiring occasional branch isolation – such as zone shutdowns or mode changes – Prihoda offers internal on/off dampers integrated within the duct. These motorized units allow simple open/close functions, ideal for multifunctional spaces and tailored airflow control.

## Key terms:

closed-system, self-balancing, branch dampers, airflow commissioning, adjustable dampers, on/off damper, internal damper, system isolation, pressure matching, airflow control



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