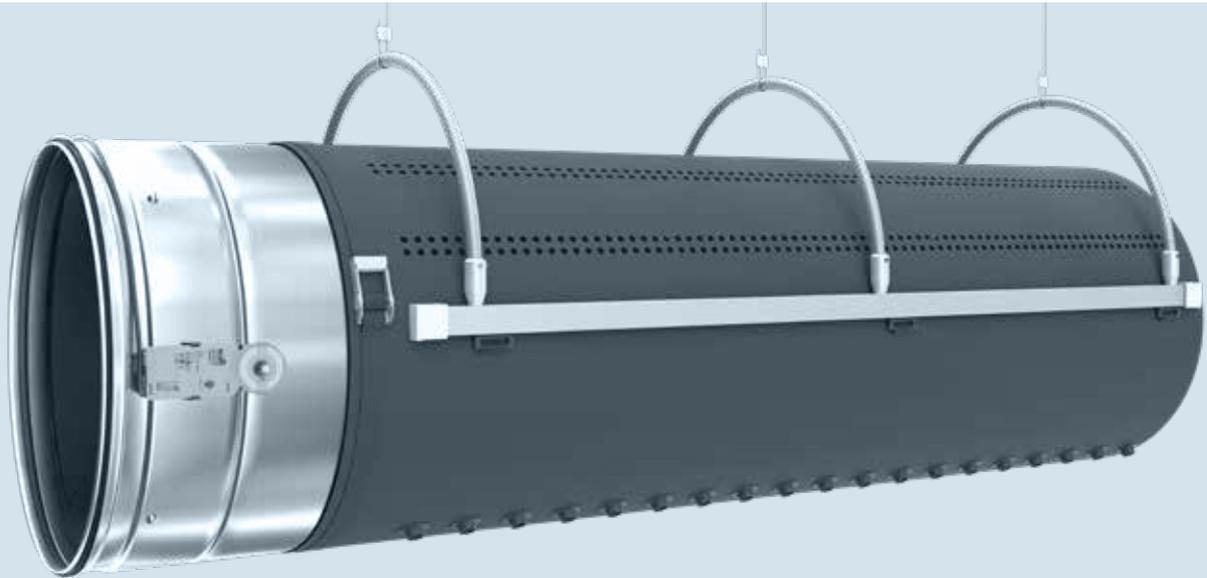


# FabricAir® VarioDuct™

– Commissioning, Maintenance, Warranty and Working Conditions



The FabricAir® VarioDuct™ enables two separate airflow solutions in one duct

## COMMISSIONING

Always operate the FabricAir® VarioDuct™ at its designed air volumes and static pressures stated on the technical drawings.

### **Moving the membrane with actuator**

The actuator rotates in both directions: clockwise and counter clockwise. The actuator is overload protected, does not require limit switches and it automatically stops when the end stop is reached, which will be either at the 12 o'clock or 6 o'clock positions depending on the rotation direction.

Important! Never stop the actuator manually in between. Instead let it stop automatically. This will ensure that the membrane efficiently covers half the duct, activating either the upper or lower airflow patterns. The FabricAir® VarioDuct™ must not be run with the membrane positioned in between.

When switching the membrane position, do so with duct inlet air velocity  $\leq 5$  m/s.

Important! Follow all safety and electrical installation notes stated on the actuator manufacturer's technical data sheet, which is available on our website.

### **Moving the membrane with manual handle**

Move the manual handle up or down to change the position of the membrane. Fix the position of the membrane using the wing screw on the handle.

Important! The FabricAir® VarioDuct™ must not be run with the membrane positioned in between. Make sure the handle is vertical and pointing upward or downward – depending on the desired position of the membrane – when fixing with the wing screw.

When switching the membrane position, do so with duct inlet air velocity  $\leq 5$  m/s.

## MAINTENANCE

The FabricAir® VarioDuct™ damper and its actuator are maintenance-free.

For maintenance of FabricAir® VarioDuct™ fabric ducting please refer to FabricAir laundering instructions.

## WARRANTY

5 years on all parts, provided that all commissioning and installation guidelines, working conditions and actuator manufacturer's technical instructions are observed.

## WORKING CONDITIONS

When switching the membrane position, do so with duct inlet air velocity  $\leq 5$  m/s, regardless if the damper is controlled automatically or manually.

### AMBIENT CONDITIONS (AUTOMATIC CONTROL)

Non-operating temperature	From -40°C [-40°F] to 80°C [176°F]
Operating temperature	From -30°C [-22°F] to 50°C [122°F]
Relative humidity	95% (non-condensing)

### AMBIENT CONDITIONS (MANUAL CONTROL)

Non-operating temperature	From -40°C [-40°F] to 120°C [248°F]
Operating temperature	From -40°C [-40°F] to 80°C [176°F]
Relative humidity	0-100%

