

CARTRIDGE FIRE DAMPER F-C2

This fire damper has guaranteed tightness



20 <b>CE</b> 1396	
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<b>EN 15650 : 2010</b> <b>Circular fire dampers</b>	
<b>Nominal activation conditions/sensitivity:</b> - sensing element load bearing capacity - sensing element response temperature	<b>Pass</b>
<b>Response delay (response time):</b> - closure time	<b>Pass</b>
<b>Operational reliability:</b> - manual cycle 50 cycles	<b>Pass</b>
<b>Fire resistance:</b> Resistivity depending on installation method and situation  - integrity <b>E</b> - maintenance of the cross section (under E) - mechanical stability (under E) - cross section (under E) - insulation <b>I</b> - smoke leakage <b>S</b>	
<b>Durability of response delay:</b> - sensing element response temperature and load bearing capacity	<b>Pass</b>
<b>Durability of operational reliability:</b> - open and closing cycle	<b>NPD</b>

A fire damper is used in ventilation ducts and serves to separate fire compartments in case of fire for avoiding the spread of fire between adjacent fire compartments. The type of fire damper, class of the fire resistance and production date are given on the label affixed to the fire damper.

**EVERY FIRE DAMPER MUST BE INSTALLED IN ACCORDANCE WITH THE HANDBOOK!**

**The Handbook Is Available on the Webpage [design.systemair.com](https://design.systemair.com) and Includes:**

- Permitted installation methods with detailed descriptions
- Fire resistance classes depending upon the installation method
- Types and parameters of activating mechanisms
- Electrical connections of activating mechanisms
- Operation manual
- Fire damper functionality check

**OPERATING JOURNAL**

Placement, Building Object	
Room No.	
Position No.	
Damper Type	
Activation Type	
Nominal Size	
Serial No.	

**Recommended Inspection Steps According to the EN 15 650:**

- Date of inspection
- Check of the end switch's connection for damage if applicable
- Check for damper cleanliness and cleaning if needed
- Check of the blades and sealing, correction and record if needed
- Check of fire damper's safe closure – for details please see the previous section
- Check if the damper moves while being in its open and closed position, correction and record if needed
- Check of the end switch indicating the open and closed position, correction and record if needed
- Check if the damper is moved in its standard position. The F-C2 damper's position is correct when, after the closure, the blades are in between the planes forming the outside surface of the wall – the ideal position is when the blade is in the middle between these planes.

Activation of the Damper		
Mark the Applied Installation Method with a Cross:		
① Wet	② Dry	③ Soft
Periodic Damper Inspections – at Least Once Every 12 Months		
Date	Description of the Discovered Defects and the Date of the Following Inspection after the Elimination of Deficiencies.	Inspection Technician's Signature

## **WARRANTY CONDITIONS**

For warranty conditions contact Your local Systemair representative.

Before you can install the fire damper, it's functionality must be tested as per chapter "Fire Damper Functionality Check".

### **DO NOT INSTALL NON-FUNCTIONING FIRE DAMPERS!**

Changes of fire damper functionality, caused by transport or installation, aren't reclaimable after installation (deformations, damages, mechanical damage of the sealing material, foreign objects which can constrain the blade movement, wrong handling of the damper).

Before you can insert the fire damper into the ductwork, the fire damper functionality must be checked again (according to chapter "Fire Damper Functionality Check").