MULTIBLADE FIRE DAMPER F-B90

This fire damper has guaranteed tightness

Handbook download

19 CE 1396	
Systemair Production a.s. Hlavná 371, 900 43 Kalinkovo, Slovakia 1396-CPR-0177, F-B90	
EN 15650 : 2010 **Rectangular fire dampers**	
Nominal activation conditions/sensitivity: - sensing element load bearing capacity - sensing element response temperature	**Pass**
Response delay (response time): - closure time	**Pass**
Operational reliability: - motorized cycle 10.200 cycles - manual cycle 50 cycles - modulated 20.200 cycles	**Pass**
Fire resistance: Resistivity depending on installation method and situation - integrity **E** - maintenance of the cross section (under E) - mechanical stability (under E) - cross section (under E) - insulation **I** - smoke leakage **S**	
Durability of response delay: - sensing element response temperature and load bearing capacity	**Pass**
Durability of operational reliability: - open and closing cycle	**Pass**

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 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
- Operating 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:

1. Damper identification.
2. Date of inspection.
3. Check the electrical connection of the activation mechanism (where applicable).
4. Check the damper for cleanliness and clean if necessary.
5. Check the blade and sealing condition, corrections enter in log (if necessary).
6. Check for proper closure of the fire damper – for details, see the above sections.
7. Check the operating functions of the damper: opening and closing using the control system, physical examination of the damper's behavior, correct if necessary and enter in log.
8. Check the operating functions of the end switches in the open and closed positions, correct if necessary and enter in log.
9. Check whether the damper is fulfilling its role as part of the regulation system (where needed)
10. Check whether the damper remains in its standard operating position.
11. The damper is usually part of a system. In that case the whole system needs to be checked as described with respect to its operation and requirements published by the builder of the system.

Activation of the Damper		
Mark the Applied Installation Method with a Cross:		
① Wet	③ Soft	3F Fit

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 activation mechanism etc.).

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