CE

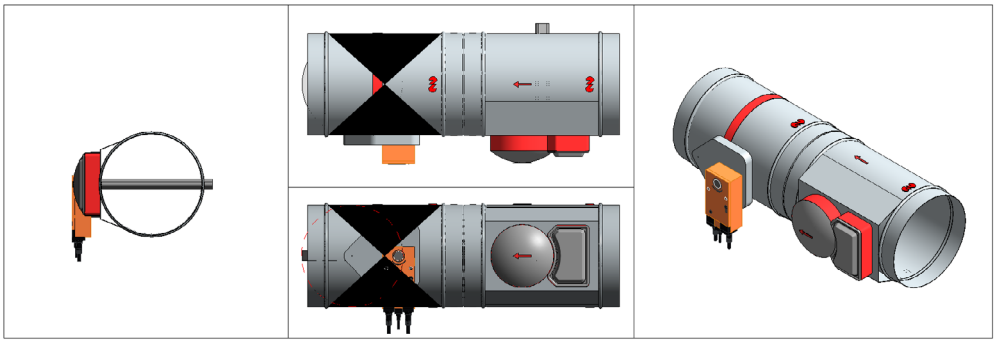
REVIT MANUAL

Fire damper with smoke sensor

FDC25 | FDC40

SUMMARISED REVIT BIM MANUAL SOLID AIR MODELS

Summarised manual Revit BIM-models Solid Air



Text		
SACS_Warning_Text_Other		Warnings when outcomes are outside the given threshold values.
SACS_Warning_Text_Flow		
SACS_Warning_Text_Size		
Dimensions		
NLRS_M_c01_diameter	250.0	Nominal duct diameter.
NLRS_C_lengte	681.0	Length of the fire damper.
SACS_Duct_Used_size	250.0	Nominal length duct.
Size	250 Ø - 250 Ø	Corrected available damper size.
Mechanical - Flow		
NLRS_M_c01_debiet	700.0000 m³/h	Air flow*.
NLRS_M_c01_drukverlies_statisch	4.000000 Pa	Static pressure loss at airflow.
SACS_Air_Velocity	3.96 m/s	Air velocity with flow.
SACS_Lp_dBA	28	Sound power level at airflow
SACS_Nominal_Min_Flow	2121.0000 m³/h	
SACS_Nominal_Max_Flow	265.0000 m³/h	
SACS_Use_Manual_Airflow	☑	Enter flow manually.
SACS_Manual_Airflow	**700.0000 m³/h**	Manual flow.
Pressure Drop		
Identity Data		
NLRS_C_model	FDC25 O M24S UG 250	Article name selected damper.
SACS_Article_Code	9250013504	Order number**.
SACS_Gross_Cost	1575.00	Gross price**.
SACS_Price_Date	3-12-2021	Validity date price.
Sacs_Type_Mark		

Model Properties		
Attached Smokesensor (standard)	☑	Sensor attached to damper***.
SACS_Option_1	O = geen frame	Frame version.
SACS_Option_2	M24S = Belimo 24V	Operating version.
SACS_Option_3	UG = Rooksensor	Smoke sensor accessory.
SACS_Belimo_Rotation (1-3)	**1**	Rotation of motor operation (if applicable).
Sensor_Casing_Rotation	**0**	
Visibility		
SACS_Disable_Warning	☐	Hide warning on model.
Show_recommended_placement...	☐	Show required length for the smoke sensor.

Notes

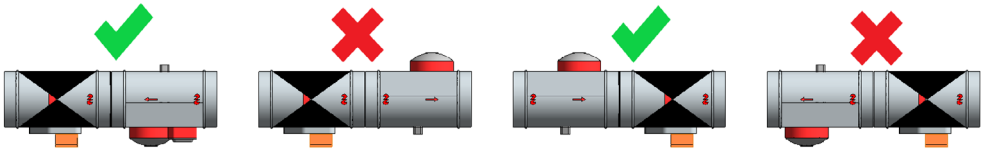
*The air volume that forms the basis for the duct calculations can be entered manually or it can be determined by the system (default). When an air volume has been entered manually, this does not impact the air volumes that Revit calculates further on in the duct system.

**The order number is only given when it concerns a standard product.

***The smoke sensor is supplied fitted to the fire damper. However, it may be the case that there is not enough room to fit the combination or there may not really be sufficient room to maintain the correct length for the sensor. In that case, the sensor can be disassembled and fitted elsewhere in the system. The order code remains the same, and the individual model for the sensor must be used for fitting the sensor in the model. The sensor CANNOT be ordered individually.

Design guidelines for fitting

Beware of the air direction. The smoke sensor may NOT be turned around. Air should pass the smoke sensor first and then the fire damper. However, it is permitted to fit the sensor on the other side of the fire damper, provided the aforementioned continues to apply. Therefore, pay attention to the air direction marked on the sensor part.



Before the smoke sensor, there should be a straight free air flow of 5x the hydraulic diameter. If the smoke sensor is not fitted directly on the fire damper, there should also be a straight free outflow of 3x the hydraulic diameter.

Accessories

The options that are available for the FDC25 and FDC40 with smoke sensor, are also available in this model.

SOLID AIR®
INTERNATIONAL

Solid Air International
A. PO Box 14, 9610 AA Sappemeer
T. +31 598 36 12 21
E. contact@solid-air.nl
W. www.solid-air.com