SOLID AIR®
INTERNATIONAL

CE

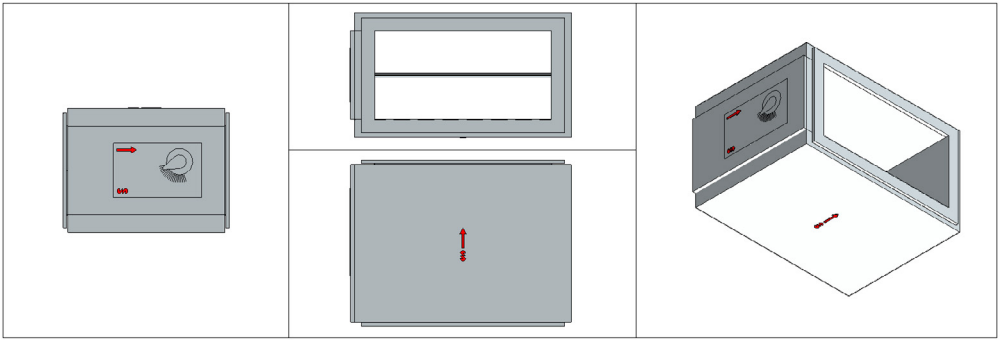
REVIT MANUAL

Volume unit

CAV VCMR

SUMMARISED REVIT BIM MANUAL SOLID AIR MODELS

Summarised manual Revit BIM-models Solid Air



Text		
SACS_Warning_Text_Flow	Airflow below advised 4 m/s	Warnings when outcomes are outside the given threshold values.
SACS_Warning_Text_Ploss		
SACS_Warning_Text_Size		
Dimensions		
NLRS_M_c01_breedte	**400.0**	Nominal width duct.
SACS_Duct_Width	400.0	Corrected available damper width.
NLRS_M_c01_hoogte	**200.0**	Nominal height duct.
SACS_Duct_Height	200.0	Corrected available damper height.
NLRS_C_lengte	375.0	Operating length of the damper.
Size	400 x 200 - 400 x 200	
Mechanical - Flow		
NLRS_M_c01_debiet	0.0000 m^3/h	Air flow.
NLRS_M_c01_drukverlies_statisch	**50.000000 Pa**	Static pressure loss at airflow over damper*.
SACS_Air_Velocity	0.00 m/s	Air velocity with flow.
Minimal required ▲P over damper	50.000000 Pa	Minimal required pressure loss over damper*.
Advised minimal air velocity	4.00 m/s	Recommended minimum air velocity**.
Identity Data		
NLRS_C_model	VCMROD 400 x 200	Article name selected damper.
SACS_Article_Code	9200000066	Order number.
SACS_Gross_Cost	420.00	Gross price.
SACS_Price_Date	01-02-2022	Validity date price.
SACS_Type_Mark		

Model Properties		
Control type (0-2)	**0**	Choice of operation.
SACS_Option_1	Manual	Selected operation.
SACS_Option_2	Double wall	Single-wall or double-wall version selected.
Visibility		
SACS_Disable_Warning	☐	Hide warning on model.
Show_recommended_placemen...	☐	Show positioning requirement.

Notes

*The pressure loss has to be entered manually. It must be at least the pressure loss of the system AFTER the damper, AND must be at least 50 Pa (with an air velocity up to 8 m/s). The value that is entered here is included in the pressure-loss calculation of Revit to calculate the required static pressure at the fan.

**For a correct operation within the specified 5-15 % deviation, a minimum air velocity of 4 m/s is recommended. With a lower air velocity it may be required to fine-tune the damper.

The sound production depends on the pressure loss over the damper and the air volume. We refer to the documentation on our website: https://solid-air.com/pcategorie/volumeunits/

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