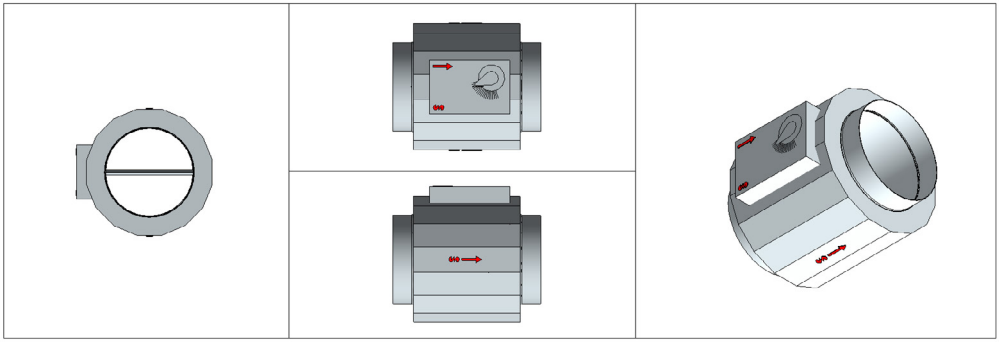
REVIT MANUAL

Volume unit

CAV VCMH

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_diameter	**200.0**	Nominal duct diameter.
SACS_Duct_Used_Size	200.0	Corrected available damper size.
NLRS_C_lengte	249.0	Operational length of the damper.
External_Diameter_Double_Wall	290.0	Diameter sleeve (for double-walled damper).
Size	200 Ø - 200 Ø	
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 volume.
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	VCMHOA 200	Article name selected damper.
SACS_Article_Code	9200000026	Order number.
SACS_Gross_Cost	406.00	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. 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 5-10 % 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/

SOLID AIR®
INTERNATIONAL

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