REVIT MANUAL

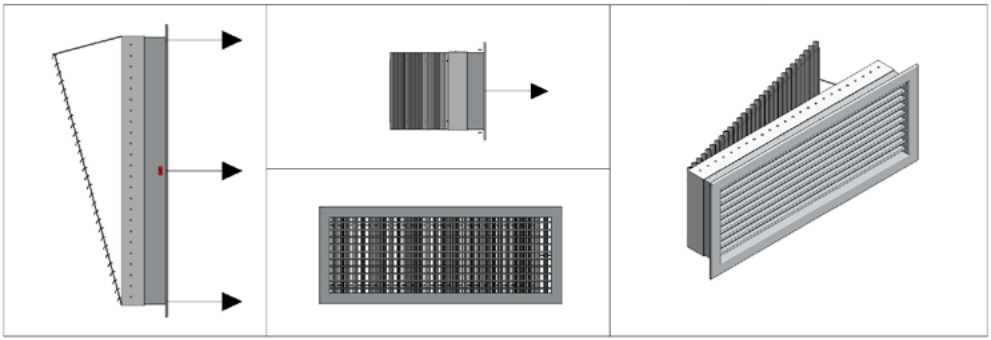
Wall diffuser

WUCA (supply)



SUMMARISED REVIT BIM MANUAL SOLID AIR MODELS

Summarised manual Revit BIM-models Solid Air



Text		
SACS_Warning_Text_Flow		
SACS_Warning_Text_Ploss		
SACS_Warning_Text_Sound		Warnings when outcomes are outside the given threshold values.
SACS_Warning_Text_Size		
SACS_Warning_Text_Other		
Materials and Finishes		
SACS_Color	Anodised aluminium	Used color for diffuser.
SACS_Face_Color	**NLRS_57_anodised aluminium_**	Material to apply color to*.
Dimensions		
SACS_Width	**625.0**	Requested width of the grid.
SACS_Height	**225.0**	Requested height of the grate.
NLRS_M_c01_breedte	625.0	Nominal width of the penthouse louvre.
NLRS_M_c01_hoogte	225.0	Nominal length of the penthouse louvre.
SACS_Allow_custom_size	☐	Allow non-standard diffuser size.
SACS_Size_check	Standard size	Is the entered size valid and standard?
Mechanical		
SACS_Primairy_Air_Temperature	**16.00 °C**	Design temperature air*.
SACS_Room_Temperature	**25.00 °C**	Design temperature in room*.
SACS_Max_Lp_dBA	**28**	Maximum allowed sound production.
SACS_Max_Ploss	**15.000000 Pa**	Maximum allowed static pressure loss.
SACS_Cooling_Capacity	3020.00 W	Cooling capacity of selection*.
SACS_Heating_Capacity	0.00 W	Heating capacity of selection*.

Mechanical - Flow		
NLRS_M_c01_debiet	**1000.0000 m³/h**	Air flow.
NLRS_M_c01_drukverlies_statisch	3.000000 Pa	Static pressure loss at airflow**.
SACS_Lp_DbA	12	Sound power level at airflow**.
SACS_Throw	9548.0	Throw selected volume**.
SACS_Nominal_Min_Flow	720.0000 m³/h	Advised minimum flow.
SACS_Nominal_Max_Flow	2160.0000 m³/h	Advised maximum flow.
Identity Data		
NLRS_C_model	WUCAVO 625 x 225	Article name selected diffuser.
NLRS_C_materiaal_kleur	Anodised aluminium	Used color.
NLRS_C_artikel_code	8301000060	Order number***.
NLRS_C_gtin_code	8720238016919	GTIN number***.
SACS_Gross_Cost	239.00	Gross prices diffuser***.
SACS_Price_Date	01-07-2026	Validity date price.
SACS_Type_Mark		
SA-Select	**https://saselect.solid-air.nl/w...**	
Model Properties		
SACS_Option_1	WUCA (Flange 30 mm, adjustable)	Base code diffuser.
SACS_Option_2	V (Volume damper)	Type volume regelaar.
Flow Pattern (1-4)	**1**	Selection color type.
SACS_Flow_Pattern	Straight (standard)	Selected color type.
Color option (0-5)	**0**	Used custom color (text)*.
SACS_Option_5	Anodised Aluminium	
SACS_Custom_Color		Show air arrows.
Visibility		Show throw.
SACS_Show_Arrows	☑	Hide warning on model.
SACS_Show_Throw	☑	Laat worp zien.
SACS_Warning_Disabled	☐	Verberg waarschuwing op model.

Notes

* When a different color is desired for the diffuser, the view of the model can be given a different color here.

** For the sound pressure, the assumed room attenuation is 10 dB. The values are only shown for wall grilles within the preferred area. If using a standard size is not possible, the value can be determined manually through interpolation. However, the advice is always to get in touch with one of our consultants.

*** The order number is only given when it concerns a standard product with a standard color. In terms of the price, the color-change surcharge is not included in the gross price. The price of the color itself is included in the price.

Color option (0-5)

0	None (Non-Anodized Aluminum)
1	Standard RAL 9010-55
2	Standard RAL 9016-30
3	Standard RAL 9010-70
4	Non-standard colour, RAL
5	Non-standard colour, not RAL

NB: a colour-change surcharge applies per delivery and per colour for using RAL 9016-30 and non-standard colours!

Design guidelines for fitting

Position the wall diffusers symmetrically in the room and do not blow supply air towards the external wall but towards the internal area. Prevent obstacles on the ceiling in the throw area that may disrupt the throw pattern.

The WUCA diffuser is normally suitable for placement up to 60 cm (top of the diffuser) below the ceiling. Up to 30 cm, it's recommended to tilt the horizontal blades 5° upwards. Between 30 cm and 60 cm, it's recommended to tilt them 15° upwards. The airflow isn't noticeably affected by this.

Standard dimensions

H	W							
	225	325	425	525	625	825	1025	1225
85	■	■	■	■	■	■	■	■
125	■	■	■	■	■	■	■	■
225	■	■	■	■	■	■	■	■
325	■	■	■	■	■	■	■	■
425	■	■	■	■	■	■	■	■

Intermediate sizes are available in 20 mm increments (height and width). Sizes marked in gray are outside the preferred range and therefore do not show selection data. Contact Solid Air if you still want to use them.

SOLID AIR®
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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