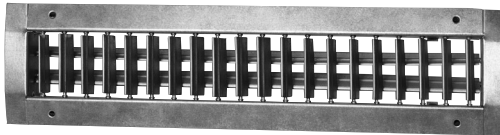




# REVIT MANUAL

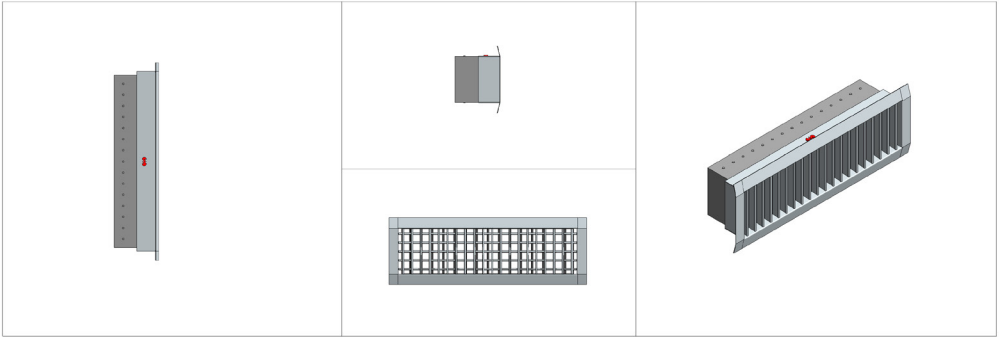
Wall diffuser

**WUCK**



**SUMMARISED REVIT BIM MANUAL SOLID AIR MODELS**

## SUMMARISED MANUAL REVIT BIM-MODELS SOLID AIR



### Text

|                         |                                  |
|-------------------------|----------------------------------|
| SACS_Warning_Text_Flow  | Airflow over or below advised... |
| SACS_Warning_Text_Other |                                  |
| SACS_Warning_Text_Ploss |                                  |
| SACS_Warning_Text_Sound |                                  |

### Materials and Finishes

|                   |                               |
|-------------------|-------------------------------|
| SACS_Color        | Sendzimir verzinkt (standard) |
| SACS_Face_Color   | NLRS_57_sendzimir verzinkt... |
| SACS_Material_VCD | Extruded Aluminium            |

### Dimensions

|                     |           |
|---------------------|-----------|
| NLRS_M_c01_breedte  | 415.0     |
| SACS_M_c01_hoogte   | 115.0     |
| SACS_M_c01_diameter | 200.0     |
| Minimum diameter    | Ø 300     |
| Maximum diameter    | Ø 900     |
| Size                | 415 x 115 |

### Mechanical

|                                |              |
|--------------------------------|--------------|
| SACS_Primary_Air_Temperatur... | 16.00 °C     |
| SACS_Room_Temperature          | 25.00 °C     |
| SACS_Max_Lp_dBA                | 28           |
| SACS_Max_Ploss                 | 15.000000 Pa |
| SACS_Heating_Capacity          | 0.00 W       |
| SACS_Cooling_Capacity          | 604.00 W     |

### Mechanical - Flow

|                                 |               |
|---------------------------------|---------------|
| NLRS_M_c01_debiet               | 200.0000 m³/h |
| NLRS_M_c01_drukverlies_statisch | 7.000000 Pa   |
| SACS_Lp_DbA                     | 19            |
| SACS_Throw                      | 3201.0        |

Warnings when outcomes are outside the given threshold values.

Used color for diffuser.  
Material to apply colour to.

Nominal width of the penthouse louvre.  
Nominal height of the penthouse louvre.  
Diameter round duct (optional).

Design temperature air\*.  
Design temperature in room\*.  
Maximum allowed sound production.  
Maximum allowed static pressure loss.  
Heating capacity of selection\*.  
Cooling capacity of selection\*.

Air flow\*\*.  
Static pressure loss at airflow\*\*.  
Sound power level at airflow\*\*.  
Throw selected volume\*.

| Identity Data                |                                     |                                 |
|------------------------------|-------------------------------------|---------------------------------|
| NLRS_C_description           | Grill for round duct, type WU...    | Article name selected diffuser. |
| NLRS_C_model                 | WUCKOO 415 x 115                    | Used color.                     |
| NLRS_C_materiaal_kleur       | Sendzimir verzinkt (standard)       | Order number***.                |
| SACS_Article_Code            | 8300000033                          | Gross price***.                 |
| SACS_Gross_Cost              | 42.00                               | Validity date price.            |
| SACS_Price_Date              | 01-02-2022                          |                                 |
| Model Properties             |                                     |                                 |
| SACS_Option_1                | WUCK                                |                                 |
| SACS_Option_2                | VO (Volume damper)                  |                                 |
| Flow Option                  | Straight (standard)                 | Selected air pattern*.          |
| Volume Damper                | <input checked="" type="checkbox"/> |                                 |
| Flow Pattern (1-4)           | 1                                   |                                 |
| Color Option (1-3)           | 1                                   |                                 |
| Color Option                 | None                                |                                 |
| SACS_Standard_Color          | <input checked="" type="checkbox"/> | Use default color (if checked). |
| SACS_Color_Ral               | <input checked="" type="checkbox"/> | Version in RAL color.           |
| SACS_Costum_Color            |                                     | Used custom color.              |
| Rotatie (-45 tot 45)         | 0.00*                               | Diffuser angle on duct.         |
| Visibility                   |                                     |                                 |
| SACS_Arrow_and_Throw_Enabled | <input checked="" type="checkbox"/> | Show pattern and arrows.        |
| SACS_Throw_Visible           | <input checked="" type="checkbox"/> | Show air pattern*.              |
| SACS_Warning_Disable         | <input type="checkbox"/>            | Hide warning on model.          |

## Notes

\*These values are only available for a supply diffuser.

\*\*The selection data apply for an air velocity of 4 m/s in the round air duct. With air velocities of 3 m/s and 5 m/s, the sound pressure must be corrected with -3 dB and +5 dB, respectively and the pressure loss with -4 Pa and +8 Pa, respectively. The assumed room attenuation for the sound pressure is 10 dB.  
The values for sound and pressure loss are based on a fully opened volume unit.

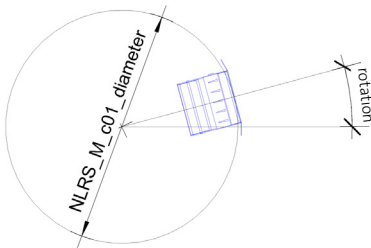
\*\*\*The order number is only given when it concerns a standard product with a standard color. In terms of the price, the color-change surcharge is not included in the gross price. The price of the color itself is included in the price.

## Design guidelines for fitting

Position the diffuser with "Air Terminal on Duct"

Prevent obstacles on the ceiling in the throw area that may disrupt the throw pattern.

When the supply diffuser is positioned up to 30 cm (top of diffuser) below the ceiling, it is recommended to set the pattern 5 degrees up with the vanes of the diffuser. With a greater distance, the supply angle must be adjusted to the ceiling. The displayed throw for the model is indicative for standard fitting.



The diffuser can be fitted on the duct at an angle, if directing the supply air cannot be achieved adequately with the adjustable vanes of the diffuser.

As Revit cannot pass on the diameter of the duct on which the diffuser is connected, the diameter must be entered manually to locate the rotation point in the centre of the duct. Subsequently, the diffuser can be positioned from 45 degrees up (+45) to 45 degrees down (-45).



Solid Air International

A. PO Box 14, 9610 AA Sappemeer

T. +31 598 36 12 21

E. [contact@solid-air.com](mailto:contact@solid-air.com)

W. [www.solid-air.com](http://www.solid-air.com)