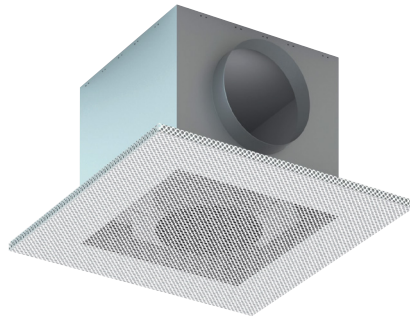




REVIT MANUAL

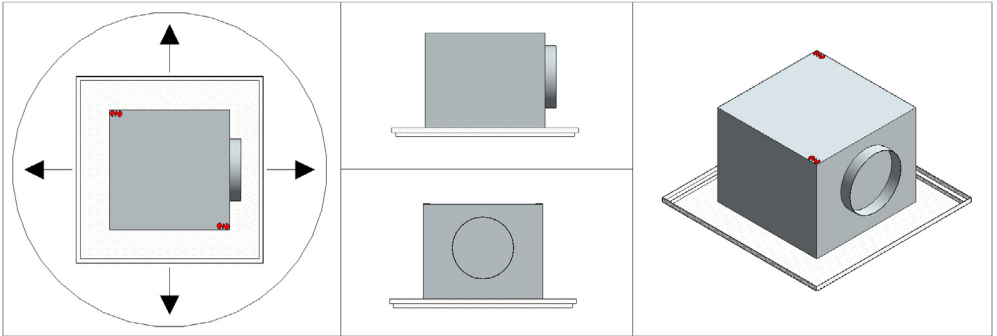
Ceiling diffuser

PTVMI | PTTMI



SUMMARISED REVIT BIM MANUAL SOLID AIR MODELS

SUMMARISED MANUAL REVIT BIM-MODELS SOLID AIR



Text

SACS_Warning_Text_Other

SACS_Warning_Text_Flow

SACS_Warning_Text_Ploss

SACS_Warning_Text_Sound

Materials and Finishes

SACS_Color RAL 9010

SACS_Face_Color RAL 9010 Perforated

SACS_Lining_Material Armaflex

SACS_Lining_Thickness 12.0

Dimensions

NLRS_M_c01_diameter 200.0

SACS_Plenum_Height 315.0

SACS_Face_Square 595.0

Size 200 Ø

Mechanical

SACS_Cooling_Capacity 671.00 W

SACS_Heating_Capacity 0.00 W

SACS_Max_Ploss 35.000000 Pa

SACS_Max_Lp_dBA 28

SACS_Room_Temperature 25.00 °C

SACS_Primary_Air_Temperature 15.00 °C

Warnings when outcomes are outside the given threshold values.

Used color.

Material color for model*.

Internal insulation plenum.

Insulation thickness.

Nominal connection size.

Height of the plenum.

Square size ceiling plate.

Cooling capacity with volume**.

Heating capacity with volume**.

Maximum allowed pressure loss.

Maximum allowed sound production.

Design room temperature.

Design air temperature.

Mechanical - Flow

NLRS_M_c01_debiet	200.0000 m ³ /h
NLRS_M_c01_drukverlies_statisch	2.800000 Pa
SACS_Lp_DbA	15
SACS_Throw	1060.0

Air flow.
Pressure loss with volume.
Sound power level at airflow (room attenuation: 10 dB).
Throw with volume**.

Identity Data

NLRS_C_model	PTVMIOR 400
NLRS_C_materiaal_kleur	RAL 9010
SACS_Article_Code	8001000129
SACS_Gross_Cost	179.00
SACS_Price_Date	01-02-2022

Article name selected diffuser.
Entered diffuser colour.
Order number***.
Gross price***.
Validity date price.

SACS_Type_Mark

Model Properties

SACS_Option_1	PTVMI
SACS_Option_2	OR
SACS_Option_3	4-sided
SACS_Sunken_Face	<input type="checkbox"/>
SACS_Connector_Top	<input type="checkbox"/>
SACS_Lined_Plenum	<input checked="" type="checkbox"/>
SACS_Oval_Connector	<input type="checkbox"/>
SACS_Low_Plenum	<input type="checkbox"/>
SACS_Standard_Color	<input checked="" type="checkbox"/>
SACS_Color_Ral	<input checked="" type="checkbox"/>
SACS_Costum_Color	
SACS_Flow_Configuration (1-5)	4
SACS_Flow_Direction	0

Flat or 13 mm dropped.
Plenum/connection version.
Discharge pattern.
Select 13 dropped panel.
Select plenum with top connection.
Select insulated plenum.
Select plenum with oval connection.
Select dropped plenum.
Use default color (if checked).
Select (different) RAL color.
Enter different color.
Select discharge pattern.
Select discharge direction in relation to connection.

Visibility

SACS_Arrows_and_Throw_En...	<input checked="" type="checkbox"/>
SACS_Throw_Visible	<input checked="" type="checkbox"/>
SACS_Warning_Disabled	<input type="checkbox"/>

Show arrows and throw.
Show throw.
Hide warning on model.

Notes

*If a different color is required for the diffuser, the view of the model can be given a different color.

**Capacity and throw depend on the room temperature and the supplied-air temperature.

***Order numbers are only given when it concerns a product that was available in our ERP on the version date and that is a standard RAL 9010 version.

Possible configurations

Not every conceivable combination is possible for the plenum. The model will adjust to what is possible, and the corresponding option will be shown under the parameter "SACS_Option_2"

OA: Round top connection.

OU: Uninsulated plenum (not possible with round top connection).

OR: Insulated plenum (not possible with round top connection).

OU OV: Uninsulated plenum with oval connection (not possible with round top connection).

OR OV: Insulated plenum oval connection (not possible with round top connection).

OU VP: Uninsulated, dropped plenum (not possible with round top and oval connection).

OR VP: Insulated, dropped plenum (not possible with round top and oval connection).

When "SACS_Standard_Color" is on, the standard RAL 9010 diffusers will be used for the price and the order number.

When "SACS_Sandard_Color" is off and "SACS_Color_Ral" is on, the color in the parameter "SACS_Custom_Color" is used as the entered color. There is no order number for this, and the displayed price is for using a non-standard RAL color (i.e. not RAL 9010).

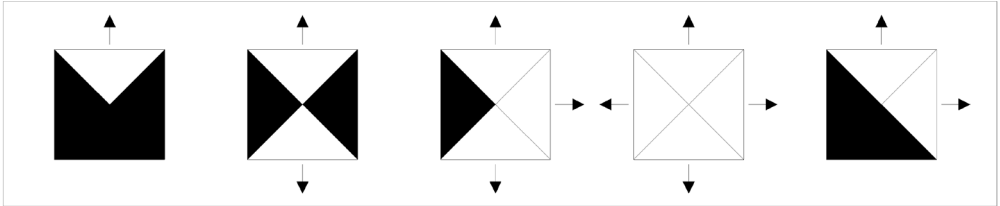
When "SACS_Sandard_Color" is off and "SACS_Color_Ral" is off, the color in the parameter "SACS_Custom_Color" is used as the entered color. There is no order number for this, and the displayed price is for using a non RAL color.

NB: a color-change surcharge applies per delivery and per color for using non-standard colors!

Guidelines for fitting the model

The parameter “SACS_Flow Configuration” determines the inflow pattern of the diffuser. The selected pattern is given in the parameter “SACS_Option_3”.

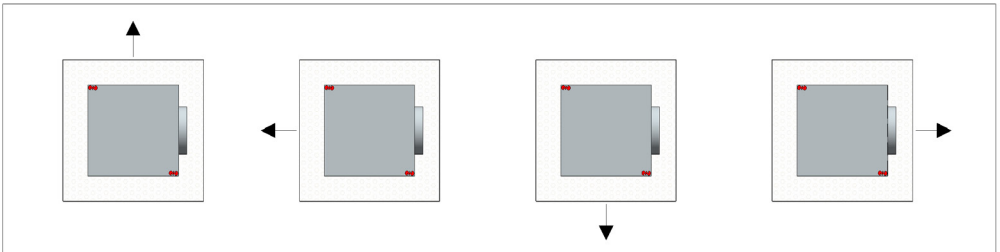
In Detail Level “Coarse” this is shown as below.



1	2	3	4	5
1-sided	2-sided opposite	3-sided	4-sided	2-sided angle

With a value smaller than 1, 1-sided is used; when it is greater than 5, 2-sided angle is used.

The parameter “SACS_Flow_Direction” determines the inflow direction in relation to the connector, per 90 degrees.



0, 4, 8, etc.	1, 5, 9, etc.	2, 6, 10, etc.	3, 7, 11, etc.
---------------	---------------	----------------	----------------



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