



REVIT MANUAL

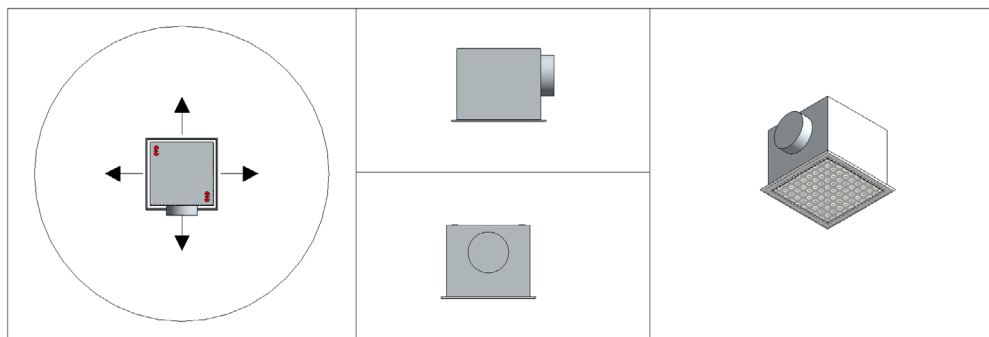
Ceiling diffuser

PTVIOR/OU



SUMMARISED REVIT BIM MANUAL SOLID AIR MODELS

SUMMARISED REVIT BIM MANUAL SOLID AIR MODELS



Text		
SACS_Warning_Text_Flow		
SACS_Warning_Text_Ploss		Warnings when outcomes are outside the given threshold values.
SACS_Warning_Text_Sound		
SACS_Warning_Text_Other		
Materials and Finishes		
SACS_Color	RAL 9010-55	Enter colour.
SACS_Face_Color	NLRS_57_ral9010-55_gen_sacs	Material colour for model (perforated part)*.
SACS_Flange_Color	NLRS_57_ral9010-55_gen_sacs	Material colour for model (frame)*.
Dimensions		
NLRS_M_c01_diameter	125.0	Nominal connection size.
SACS_Plenum_Height	286.0	Square size ceiling plate.
SACS_Face_Square	165.0	Height of the plenum.
Mechanical		
SACS_Cooling_Capacity	227.00 W	Cooling capacity with volume**.
SACS_Heating_Capacity	0.00 W	Heating capacity with volume**.
SACS_Max_Lp_dBA	28	Maximum required pressure loss.
SACS_Max_Ploss	35.000000 Pa	Maximum permitted noise production.
SACS_Primary_Air_Temperature	16.00 °C	Design room temperature.
SACS_Room_Temperature	25.00 °C	Design air temperature.
Mechanical - Flow		
NLRS_M_c01_debiet	75.0000 m³/h	Air volume.
NLRS_M_c01_drukverlies_statisch	1.500000 Pa	Pressure loss with flow.
SACS_Lp_DBA	9	Sound production with volume (room attenuation: 10 dB).
SACS_Throw	590.0	Throw with volume**.
SACS_Min_Flow	54.0000 m³/h	
SACS_Max_Flow	216.0000 m³/h	

Identity Data	
NLRS_C_model	PTVIOR 250 vl=60 RAL 9010...
NLRS_C_materiaal_kleur	RAL 9010-55
NLRS_C_artikel_code	8001000390
NLRS_C_gtin_code	8720238004039
SACS_Gross_Cost	226.00
SACS_Price_Date	24-04-2024
SACS_Type_Mark	
SA-Select	https://selectietool.solid-air.nl
Model Properties	
SACS_Option_1	PTVI
Plenum type (0-2)	1
SACS_Option_2	OR = Round side connector, ...
Wide slab floor thick	60.0
Color option (0-4)	0
SACS_Option_5	RAL 9010-55
SACS_Custom_Color	
Flow configuration (1-5)	4
SACS_Option_6	4 sided
Flow direction	0
Visibility	
SACS_Arrow_and_Throw_...	☒
SACS_Throw_Visible	☒
SACS_Warning_Disable	☐

Article name selected diffuser.

Entered diffuser colour.

Article number***.

GTIN number***.

Gross price diffuser.

Validity date price.

Basic version.

Select plenum type.

Selected plenum/connection version.

Thickness wide slab floor****.

Select colour type.

Selected colour type.

(Non-standard) RAL colour.

Select discharge pattern.

Selected discharge pattern.

Select discharge direction in relation to connection.

Show arrows and throw.

Show throw.

Hide warning on model.

Notes

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

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

*** Article numbers are only given when it concerns a product that was available in our ERP on the version date. GTIN numbers are only available for standard products.

*** For the standard diffusers, a thickness of 60 mm applies to the wide slab floor. This is also the minimum recommendation. You may select a different thickness if applicable, but the diffuser will have to be ordered as a special.

Possible configurations

Plenum type (0-2):

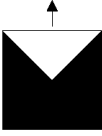
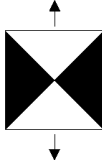
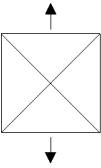
0	N/A
1	Internally insulated plenum with round side connection (standard)
2	Uninsulated plenum with round side connection

Colour option (0-4)

0	Standard RAL 9010-55
1	Standard RAL 9016-30
2	Standard RAL 9016-70
3	Non-standard colour, RAL
4	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!

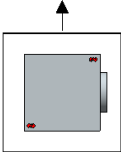
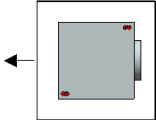
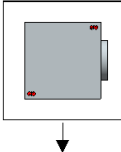
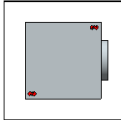
SACS_Flow Configuration (1-5):

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

The above shows how it is displayed in “Coarse”.

With “SACS_Flow_Direction” you can change the direction of the discharge pattern without changing the connection. The arrows turn anticlockwise in steps of 90 degrees around the diffuser (for all inflow patterns).

SACS_Flow_Direction:

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

The above shows the display in “Medium” and “Fine” for a single-sided inflow.

Adjust the connection side for a side connection.

Type Parameters	
Parameter	Value
Constraints	
Default Elevation	0.0
Flip_Connector_to_left	☐

The standard connection of our diffuser is on the right side. If you wish to have it on the left side, you can change it in type properties. This parameter does not affect a top connection.



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