



REVIT MANUAL

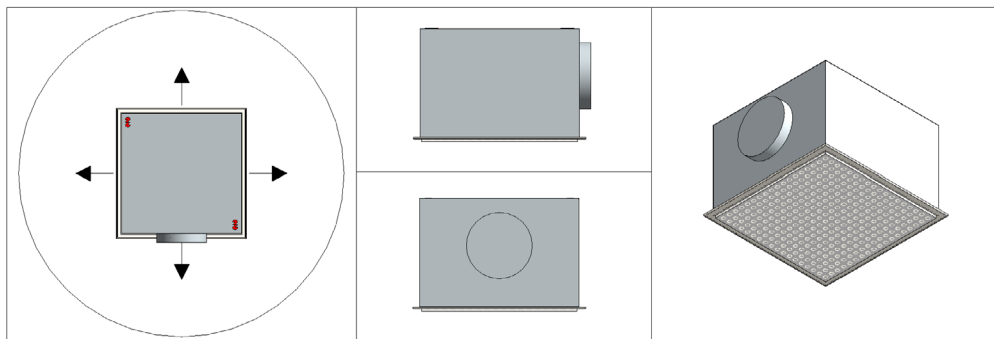
Ceiling diffuser

PTVD



SUMMARISED REVIT BIM MANUAL SOLID AIR MODELS

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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_Face_Square	284.0	Height of the plenum.
SACS_Plenum_Height	235.0	Square size ceiling plate.
SACS_Recess_Width	249.0	Recess size ceiling (width).
SACS_Recess_Length	249.0	Recess size ceiling (length).
Mechanical		
SACS_Cooling_Capacity	252.00 W	Cooling capacity with volume**.
SACS_Heating_Capacity	0.00 W	Heating capacity with volume**.
SACS_Max_Lp_dBA	28	Maximum permitted noise production.
SACS_Max_Ploss	35.000000 Pa	Maximum required pressure loss.
SACS_Primary_Air_Temperature	15.00 °C	Design air temperature.
SACS_Room_Temperature	25.00 °C	Design room temperature.
System Classification	Supply Air	
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	6	Sound production with volume (room attenuation: 10dB).
SACS_Throw	580.0	Throw with volume**.

Identity Data	
NLRS_C_model	PTVDOR 250 RAL 9010-55
NLRS_C_materiaal_kleur	RAL 9010-55
NLRS_C_Artikel_code	8001000170
NLRS_C_gtin_code	8720238001885
SACS_Gross_Cost	148.00
SACS_Price_Date	24-04-2024
SA-Select	https://selectietool.solid-air.nl
SACS_Type_Mark	
Model Properties	
SACS_Option_1	PTVDO
Plenum type (0-2)	1
SACS_Option_2	R = Round side connector, ...
Lowered plenum (0-2)	0
SACS_Option_3	Standard plenum
Color option (0-4)	0
SACS_Option_5	RAL 9010-55
SACS_Custom_Color	
SACS_Flow_Configuration...	4
SACS_Option_6	4 sided
SACS_Flow_Direction	0
Visibility	
SACS_Arrow_and_Throw_...	☒
SACS_Throw_Visible	☒
SACS_Show_Recess	☐
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.

Select special type plenum.

Selected standard/special.

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.

Show ceiling recess.

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.

Possible configurations

Plenum type (0-2):

0	Adapter with round top connection
1	Internally insulated plenum with round side connection (standard)
2	Uninsulated plenum with round side connection

Lowered plenum (0-2):

0	Standard plenum (standard)
1	Lowered plenum
2	Lowered plenum with oval connection

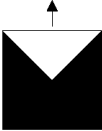
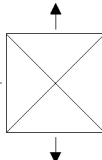
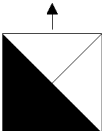
A lowered plenum is only possible with a side connection.

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!

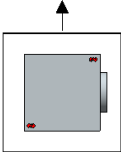
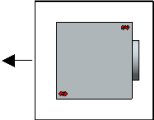
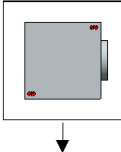
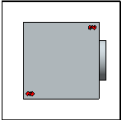
SACS_Flow Configuration (1-5):

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 with a round 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.



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