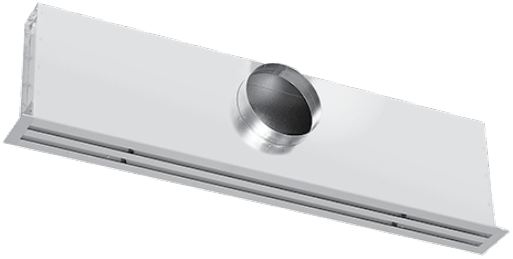
CE

REVIT MANUAL

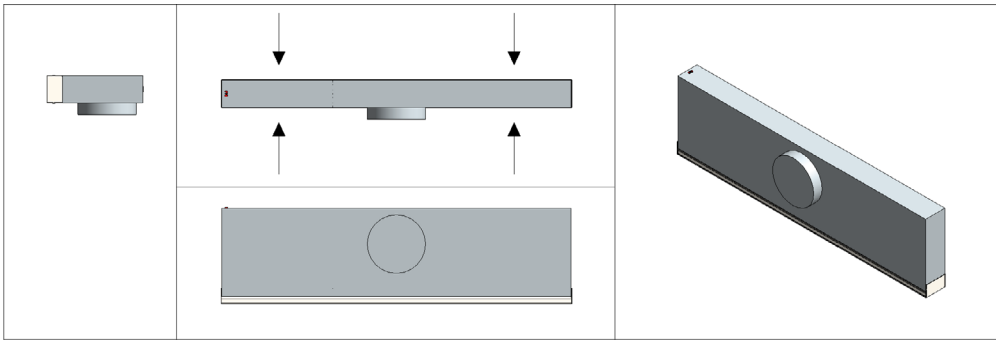
Line diffuser

SROR



SUMMARISED REVIT BIM MANUAL SOLID AIR MODELS

Summarised Revit BIM Manual Solid Air Models



Materials and Finishes		
SACS_Color	RAL 9010-55	Entered colour.
SACS_Face_Color	**NLRS_57_anodised aluminium**	Material colour for model.
Dimensions		
NLRS_M_c01_diameter	160.0	Nominal connection size.
NLRS_C_lengte	1200.0	Nominal diffuser length (=recess size)*.
NLRS_C_breedte	52.0	Nominal diffuser width (=recess size).
NLRS_C_hoogte	284.5	Plenum height (from the underside of the ceiling).
Mechanical - Flow		
NLRS_M_c01_debiet	**200.0000 m³/h**	Air volume.
NLRS_M_c01_drukverlies_stati...	**0.000000 Pa**	Pressure loss with flow**.
Identity Data		
NLRS_C_model	SRORDRO 1200-1	Article name selected diffuser.
NLRS_C_materiaal_kleur	RAL 9010-55	Entered colour.
SACS_Article_Code	NB	Article number Solid Air (if available).
NLRS_C_gtin_code	NB	GTIN number (if available).
SACS_Type_Mark		

Model Properties		
SA-Select	https://selectietool.solid-air.nl	
SACS_Option_1	SROR	Basic version.
Endcaps (0-2)	**2**	Set number of end caps***.
SACS_Option_2	D = Two endcaps	Selected number of end caps.
Plenum_Type (1-2)	**1**	Set plenum type****.
SACS_Option_3	R = Lined	Selected plenum type.
Brackets (0-2)	**0**	Set brackets.
SACS_Option_4	O = None	Selected bracket type.
Slots (1-2)	**1**	Set number of slots.
SACS_Option_5	Single slot	Selected number of slots.
Color option (0-4)	**0**	Select colour option.
SACS_Option_6	RAL 9010-55	Selected colour option.
SACS_Custom_Color		Enter non-standard (RAL) colour.
Swap_Endcap	☐	Change the side of the end cap***.
Visibility		
SACS_Show_Arrows	☑	Show the arrows for the discharge pattern****.
SACS_Show_Symbol	☑	Show the diffuser symbol (=recess size).

Notes

* For model SOOOx this is the nominal plenum length.

** Values for pressure loss are added to the model as soon as the required calculation rules are available.

*** Only for the Revit models with linear diffuser.

**** Only for the Revit models with plenum.

Values for “End caps (0-2)”		
0: no end caps	1: one end cap	2: two end caps

Values for “plenum type (1-2)”	
1: internally insulated plenum	2: uninsulated plenum

Values for “Brackets (0-2)” (model SRORxRUx)		
0: no brackets	1: diffuser bracket A	2: plenum bracket B

Values for “Brackets (0-2)” (model SRORxOx)		
0: no brackets	1: diffuser bracket A	2: ceiling bracket D

Values for “Brackets (0-1)” (model SOOOxx)	
0: no brackets	1: plenum bracket B

Values for “Colour option (0-4)”				
0: RAL 9010-55	1: RAL 9016-30*	2: RAL 9016-70	3: Non-standard RAL	4: Non-standard, not Ral

* For RAL 9016-30 there are no additional costs for the colour, but there is a colour-change charge per delivery!

Use non-standard linear diffuser and/or plenum

Line diffusers are often positioned visually as single lines across an entire room. To achieve this in Revit, we have split the models:
SRORxRUx: Versions (length 600, 750, 900, 1200, 1500, 1800 mm) with equal (nominal!) length for diffuser and plenum.
SRORxOx: Version of just the linear diffuser, with free entry of (nominal!) diffuser length.
SOOOxx: Standard version individual plenum with (nominal) length 600, 750, 900, 1200, 1500 or 1800 mm.
SOOOxx-2xD: Individual plenum with free entry of (nominal) plenum length and connection diameter (2 pcs, equal diameter).

If the selected diameter for the SOOOxx-2xD does not fit the selected length of the plenum, the length of the plenum is adjusted accordingly. Remember to check that this still fits, or select a smaller connection diameter.

NB: although the SOOO plenum for the SROR and STxD line diffusers is the same, this does not apply to the Revit model. As the STxD is fitted below the ceiling, the plenum is also positioned lower. Furthermore, for the SROR the choice is limited to 1 slot and 2 slots. The C bracket (click-in) is not available for the SROR.

For non-standard (nominal) lengths of the linear diffuser and the plenum, the code “L=xxxx” is used in the model name. The reason is that you can evidently come up with virtually infinite lengths and Revit is currently unable to convert numbers into text (within families) and to combine texts.

The linear diffuser and the plenum have the same reference point from the floor. Therefore, if you positioned the linear diffuser at a ceiling height of 2700 mm from the floor, you also position the plenum at 2700 mm from the floor.

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