



REVIT MANUAL

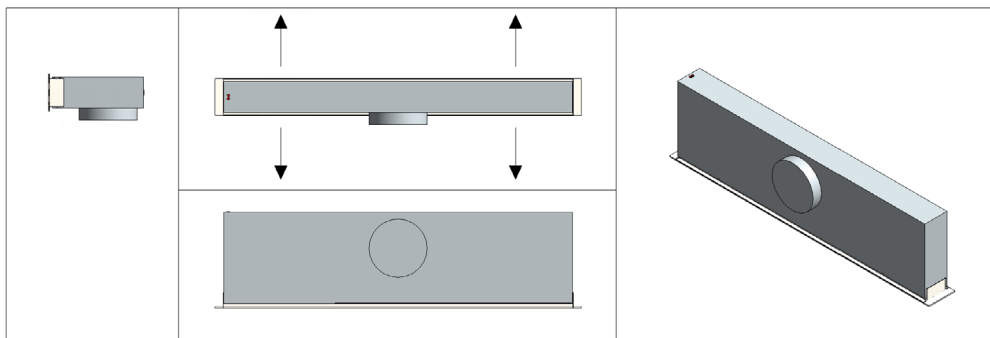
Line diffuser

STAD en STBD, plenum SOOO



SUMMARISED REVIT BIM MANUAL SOLID AIR MODELS

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Materials and Finishes	
SACS_Color	RAL 9010
SACS_Face_Color	NLRS_57_anodised aluminium
Dimensions	
NLRS_M_c01_diameter	200.0
NLRS_C_lengte	1200.0
NLRS_C_breedte	108.3
NLRS_C_hoogte	320.0
Mechanical - Flow	
NLRS_M_c01_debiet	200.0000 m³/h
NLRS_M_c01_drukverlies_stat...	0.000000 Pa
Identity Data	
NLRS_C_model	STADCRS 1200-2
NLRS_C_materiaal_kleur	RAL 9010
SACS_Article_Code	8101000909
NLRS_C_gtin_code	NB
SACS_Type_Mark	
SA-Select	https://selectietool.solid-air.nl

Entered colour.

Material colour for model.

Nominal connection size.

Nominal diffuser length (=recess size)*.

Nominal diffuser width (=recess size).

Plenum height (from the underside of the ceiling).

Air volume.

Pressure loss with flow**.

Article name selected diffuser.

Entered colour.

Article number Solid Air (if available).

GTIN number (if available).

Model Properties	
SACS_Option_1	ST
Pattern blades (1-2)	2
SACS_Option_2	A = Double blade
SACS_Option_3	D = Ceiling mounted
Endcaps (0-3)	2
SACS_Option_4	C = Two endcaps
Plenum_Type (1-2)	1
SACS_Option_5	R = Lined
Brackets (0-3)	3
SACS_Option_6	C = Plenum bracket C
Slots (1-4)	2
SACS_Option_7	2 slots
Pattern (0-2)	2
SACS_Flow_Pattern	Left + Right
Swap_Endcap	☐
Swap_Arrows	☐
SACS_Standard_Color	☒
SACS_Color_Ral	☒
SACS_Custom_Color	
Visibility	
SACS_Show_Arrows	☒
SACS_Show_Symbol	☒

Basic version.

Set number of end caps***.

Selected number of end caps.

For flush-mounting on the ceiling.

Set number of end caps***.

Selected number of end caps.

Set plenum type****.

Selected plenum type.

Set brackets.

Selected bracket type.

Set number of slots.

Selected number of slots.

Set discharge pattern****.

Selected discharge pattern.

Change the side of the end cap***.

Change the side of the discharge pattern****.

Use standard RAL colour.

Use non-standard RAL colour.

Enter non-standard (RAL) colour.

Show the arrows for the discharge pattern****.

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 “Pattern blades (1-2)”	
1: single pattern blade	2: two pattern blades

Values for “End caps (0-3)”			
0: no end caps	1: one end cap	2: two end caps	3: two flat end caps

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

Values for “Brackets (0-3)” (model STxDxRUx)			
0: no brackets	1: diffuser bracket A	2: plenum bracket B	3: plenum bracket C (click-in)

Values for “Brackets (0-3)” (model STxDxOx)			
0: no brackets	1: diffuser bracket A	2: plenum bracket C*	3: ceiling bracket D

* Bracket C is not coded in the diffuser, but is only available to determine the correct recess size.

Values for “Brackets (0-2)” (model SOOOxx)		
0: no brackets	1: plenum bracket B	2: plenum bracket C

Values for “Pattern (0-2)”		
0: left discharge (towards connector)	1: right discharge	2: double-sided discharge*

* double-sided discharge only applies when you use 2 pattern blades.

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:

STxDxRUx: Versions (length 600, 750, 900, 1200, 1500, 1800 mm) with equal (nominal!) length for diffuser and plenum.

STxDxOx: 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).

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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