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REVIT MANUAL
Volume unit
VVISM-O
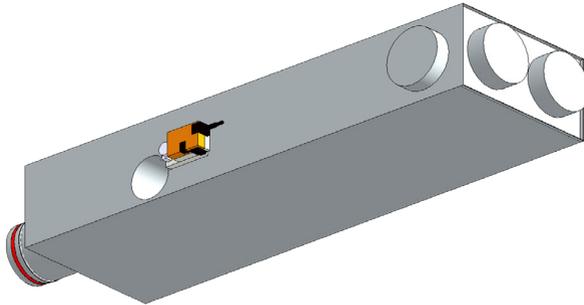
SUMMARISED REVIT BIM MANUAL SOLID AIR MODELS
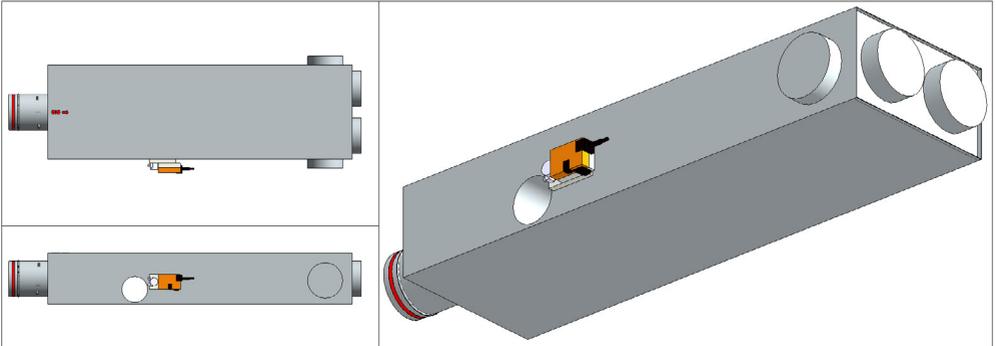
Dimensions		
NLRS_M_c01_diameter	200.0	Nominal connection size IN.
NLRS_M_c02_diameter	200.0	Nominal connection size OUT.
NLRS_M_c03_diameter	200.0	Nominal connection size OUT.
NLRS_M_c04_diameter	200.0	Nominal connection size OUT.
NLRS_M_c05_diameter	200.0	Nominal connection size OUT.
Mechanical - Flow		
NLRS_M_c01_debiet	**965.0000 m³/h**	Air volume IN
SACS_induction_Flow	193.0000 m³/h	Air volume IN via induction.
SACS_Total_unit_Flow	1158.0000 m³/h	Total air volume IN.
NLRS_M_c01_drukverlies_stati...	125.000000 Pa	Pressure loss with flow*.
NLRS_M_c02_debiet	325.0000 m³/h	Air volume OUT
NLRS_M_c03_debiet	300.0000 m³/h	Air volume OUT
NLRS_M_c04_debiet	275.0000 m³/h	Air volume OUT
NLRS_M_c05_debiet	250.0000 m³/h	Air volume OUT
SACS_Total_exit_flow	1150.0000 m³/h	Add c02 to c05.
SACS_Exit_pressure_loss	**25.000000 Pa**	Highest pressure loss c02-c05**.
SACS_Requested_Min_Flow_%	**50**	Lowest unit setting (%).
SACS_Requested_Min_Flow	482.5000 m³/h	Lowest unit setting (m3/h)
SACS_Induction_multiplier	**1.200000**	Induction factor fi***.

Identity Data		
NLRS_C_model	VVISMMOSR 200	Article name selected volume unit
SACS_Article_Code	9201003707	Order number.
SACS_Type_Mark		
SA-Select	https://selectietool.solid...	
Model Properties		
SACS_Option_1	VVISM	Basic version.
SACS_Option_2	M = 4x round exit	Connection type OUT.
SACS_Option_3	O = no heater	Equipped with post-heater or not.
Controller type (0-3)	**0**	Selection field control equipment.
SACS_Option_4	S = compact MP (standard)	Selected control equipment.
Operating side (0-1)	**0**	Selection field equipment side.
SACS_Option_5	R = right	Selected equipment side.
Pre-pressure	**100.000000 Pa**	Setting inlet pressure controller*.

Notes

*It is recommended to apply an inlet pressure of at least 100 Pa to ensure proper operation of the control equipment.
This value is the standard setting in the Revit model, so this value is used for calculating the transmission in the duct system to determine (critical path) the required pressure of the fan/AHU.
The actual inlet pressure may of course be higher when this unit is not in the critical path, but closer to the AHU or the fan.
When you determine the inlet pressure, remember the pressure loss after the unit!

**It is recommended to keep the pressure loss after the unit (critical path) at a maximum of 25 Pa. This pressure loss has a major effect on the induction factor to be achieved.

***The induction factor determines how much air is extracted from a room for reuse. This depends on the primary air volume, the inlet pressure, and the counter-pressure (pressure loss) after the unit; see the documentation for determining the induction factor: https://solid-air.com/products/solid-air-international-induction-unit-vvis/.

Please contact our advisers for your final selection.

Values for "Controller type (0-3)"			
0: Compact MP (standard)	1: Compact MOD	2: Compact KNX	3: Universal VRU (quick-running)

Values for "Operating side (0-1)"	
0: Equipment right (standard)	1: Equipment left

Revit does not provide for switching connectors on or off. Therefore we offer you six different families: with a post-heater (equipped with the water-side connectors, see the manual for the VVRSM_B), and without a post-heater, where there are three different versions for the outgoing connections on the air side.

VVISME	VVISMM	VVISMN
NLRS_M_c02	NLRS_M_c02, NLRS_M_c03, NLRS_M_c04, NLRS_M_c05	NLRS_M_c02
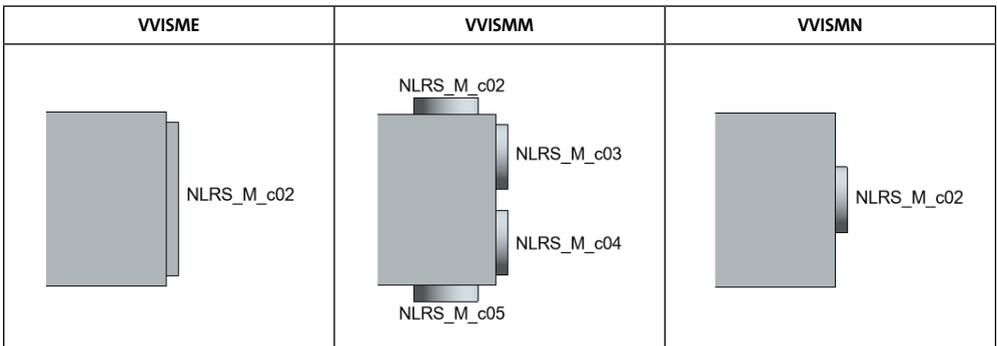
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