Climecon Tuisku.X MagiCAD Cloud Plugin for BricsCAD

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MagiCAD GROUP

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1 General

About this document

This document contains instructions on using Climecon Tuisku.X MagiCAD plugin.

Climecon Tuisku.X MagiCAD plugin allows user to insert Tuisku.X family snow and rain cover units (like TUISKU-PU, TUISKU-V and so on) to MagiCAD project and BricsCAD drawing.

Installing the software

Required third-party software

Make sure you have the corresponding platform application (BriscCAD) .NET framework installed in your workstation. For BricsCAD V24 / V25 .NET4 and for V26 / V27 .NET8 is required.

Climecon Tuisku.X MagiCAD plugin supports the following BricsCAD and MagiCAD versions:

- BricsCAD V24, V25, V26 and V27
- MagiCAD 2026 and 2027

Before installation

1. Workstation administrator privileges are recommended for installation.

2. **Notice if you have several BricsCAD versions on your workstation.**
   Before you run the plugin installer, start MagiCAD to make sure that Climecon Tuisku.X MagiCAD Plugin installs on the same BricsCAD platform as MagiCAD.

Installation

1. Download the installer file from MagiCAD portal / Climecon MagiCAD Plugins to your workstation:

   https://portal.magicad.com/Download/ProductSearch?searchStr=Climecon&categoryId=3

2. Run the Climecon MagiCAD plugin installer on your workstation.

Starting the program

The plugin is automatically loaded and is ready to be used once BricsCAD and MagiCAD is started next time after the plugin is installed.

Before you start using the Climecon Tuisku.X MagiCAD plugin, (re)start the MagiCAD and open a ventilation project.

Locate the MagiCAD Connect tab from the BricsCAD ribbon. Once the Climecon Tuisku.X MagiCAD plugin is loaded its ribbon panel and button can be found MagiCAD Connect tab. When the button is clicked the Tuisku.X device insert operation is started.



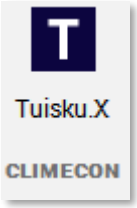
Figure 1: Climecon panel with Tuisku.X insert button

2 Functions

Climecon Tuisku.X MagiCAD Plugin UI overview

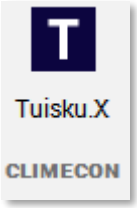
Tuisku.X plugin contains one operation:

Insert operation



This command inserts a new Tuisku.X rain or snow cover product to MagiCAD with Tuisku.X selection tool.

Detailed insert operation



Follow these steps to insert Tuisku.X snow or rain cover unit to BricsCAD drawing and MagiCAD project.

1. Click the Tuisku.X button from the Climecon panel or give the “TUISKUX_INS” command.

2. Once the operation is started the plugin opens the Tuisku.X selection tool in plugin browser. User limits the search criteria for the covers and selects the “Search covers” button to proceed.

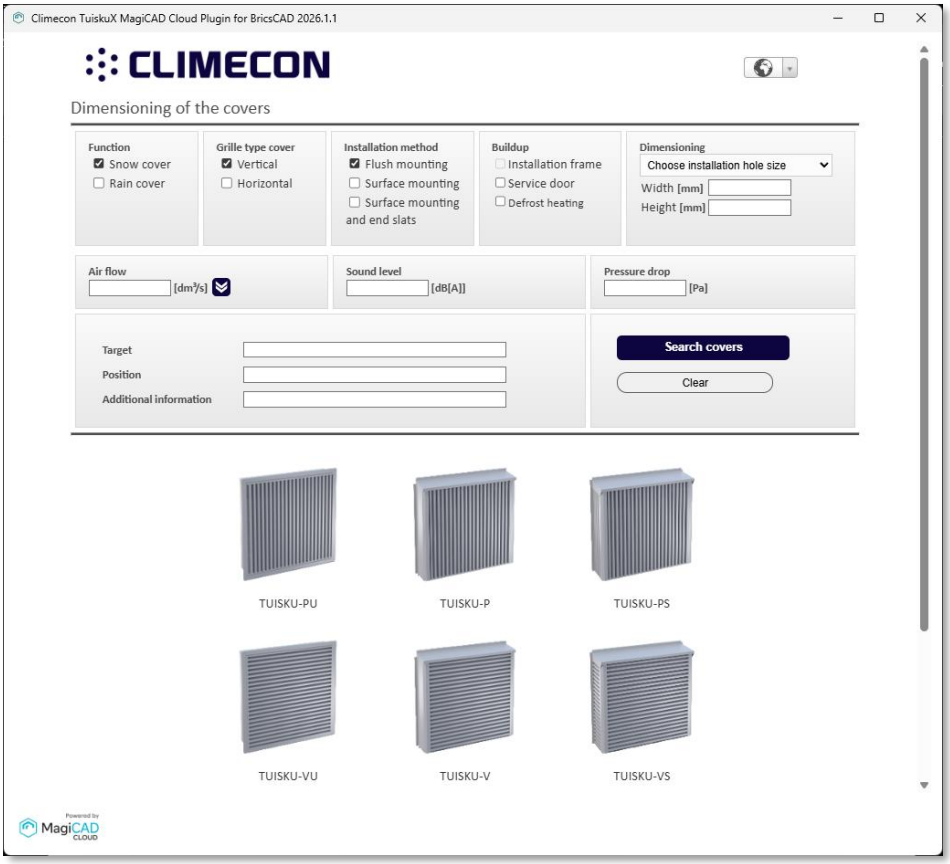


Figure 2: Climecon Tuisku.X rain and snow covers selection tool.

3. After user has searched for the products the selection tool opens a list of search results. User selects a product and starts to insert it to MagiCAD project by selecting the “Insert to design” button.

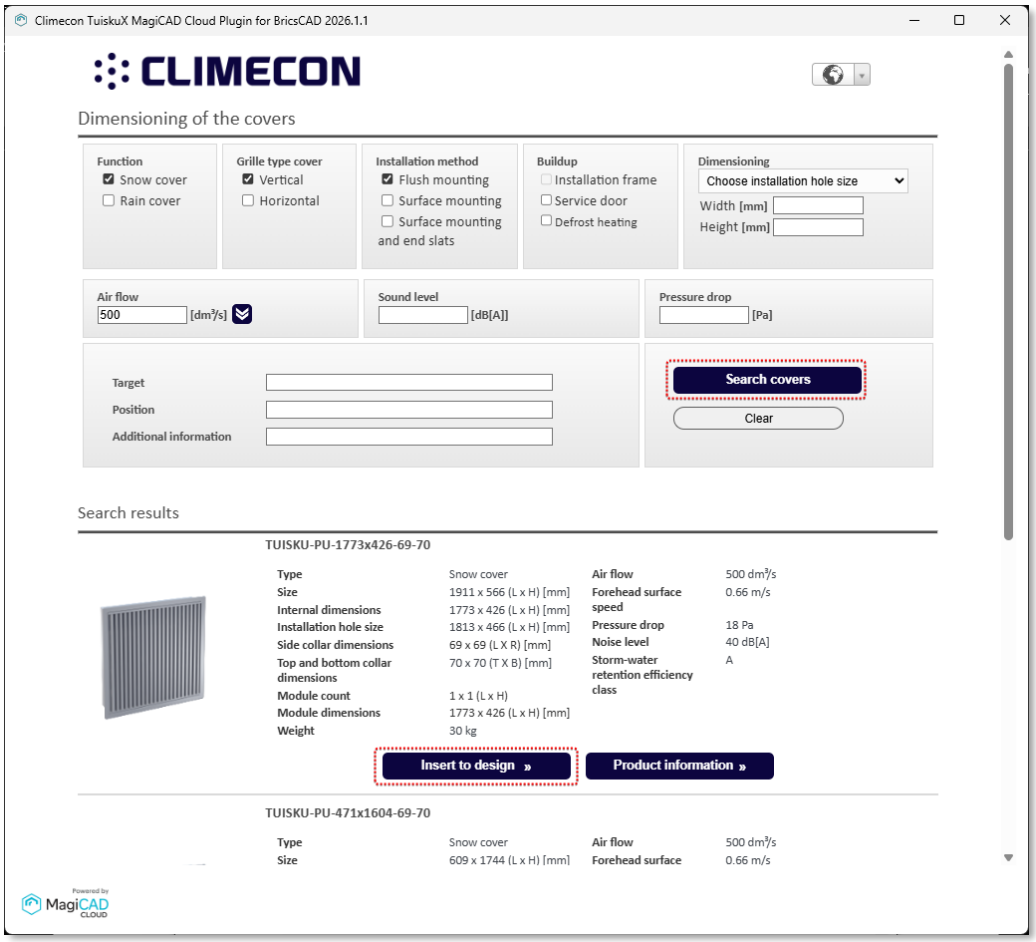


Figure 3: Selecting Tuisku product from Tuisku.X selection tool.

4. After this plugin shows the same air flow which is used during the search in Tuisku.X and generates a random user code for the selected cover. User may also change both of these values in this phase. User proceeds to next step with enter or OK button.

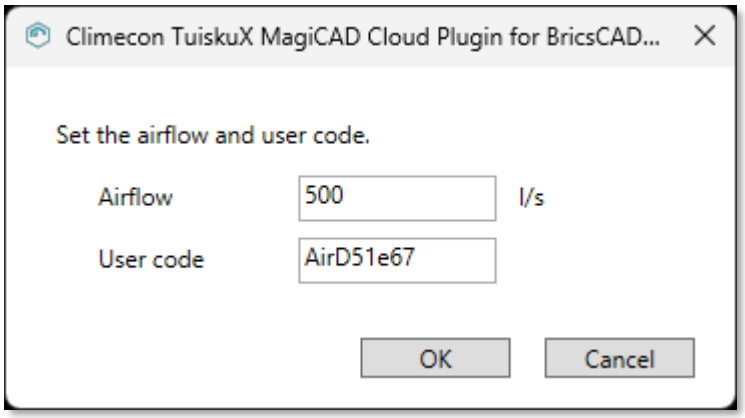


Figure 4: Tuisku.X cover plugin insert dialog.

5. After the user code and air flow are given user inserts the cover in to the drawing.

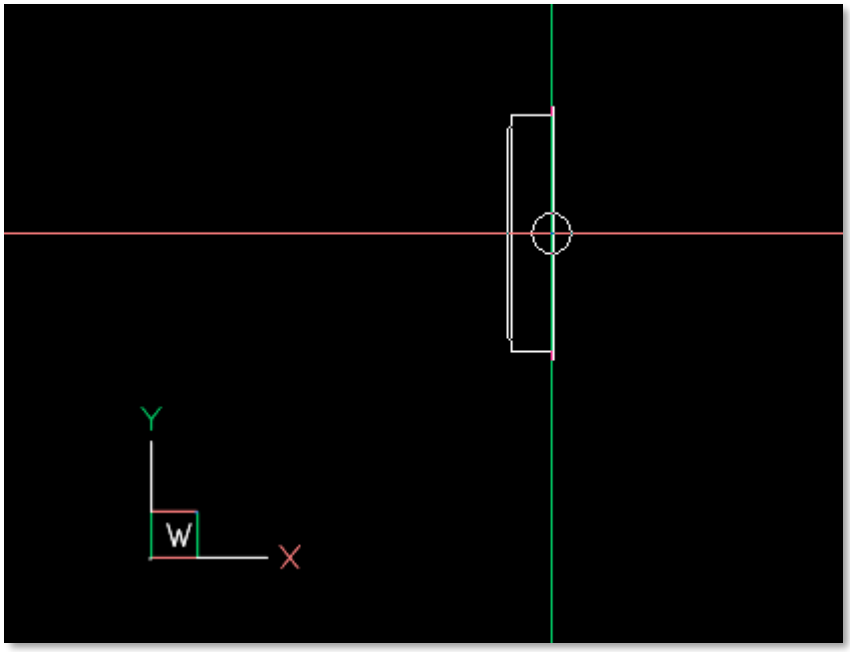


Figure 5: Tuisku.X cover placement to BricsCAD drawing.

6. After placement MagiCAD asks user to give an information for product to be installed. Select the system of this cover and fill the other information if necessary and proceed with OK button. Product is visible in the drawing and user may install more instances to drawing. Command is ended with ESC key.

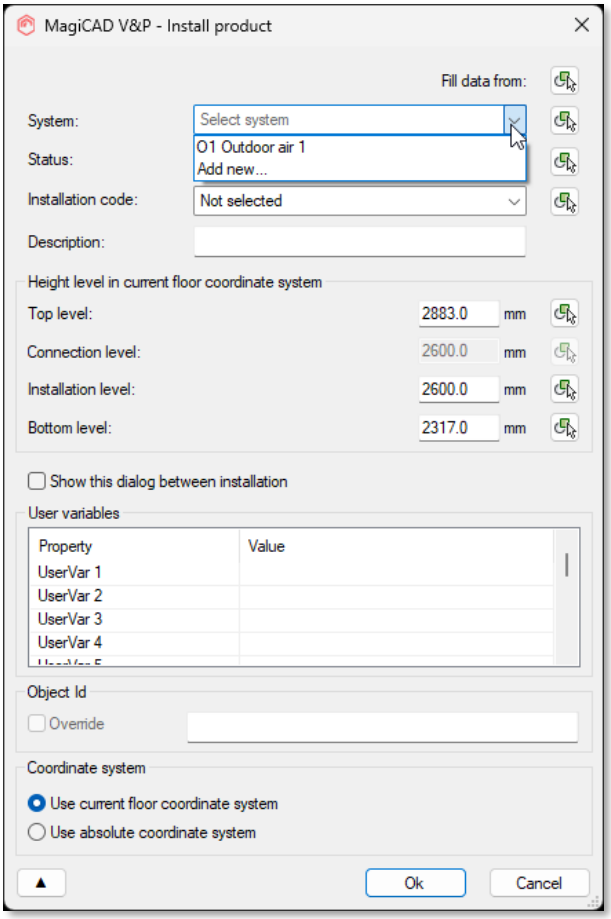


Figure 6: MagiCAD install product dialog.

7. Finally cover is inserted to drawing, connected to MagiCAD ductwork and ready to be used.

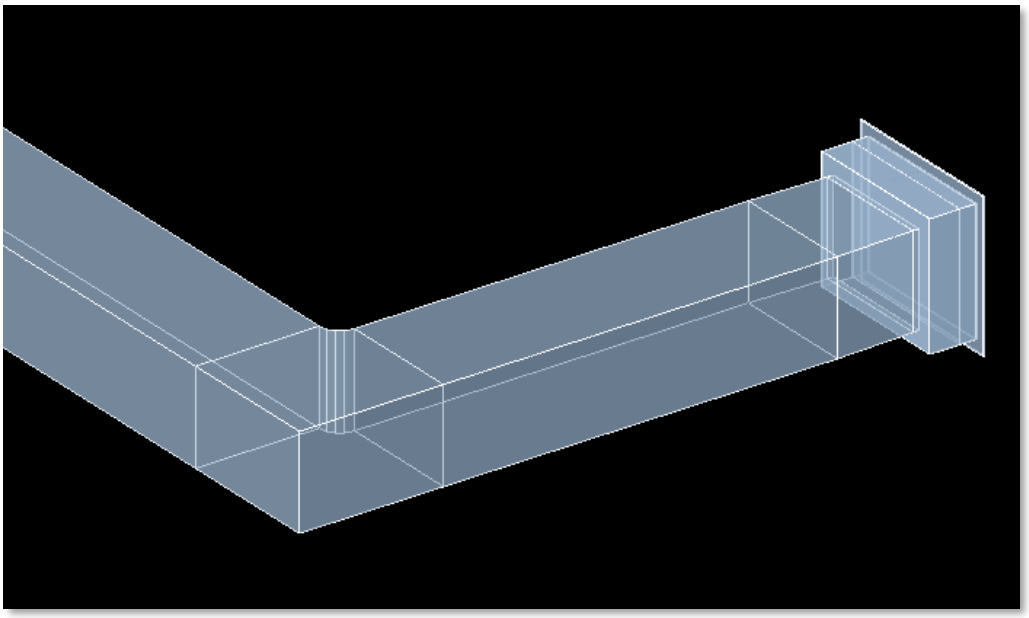
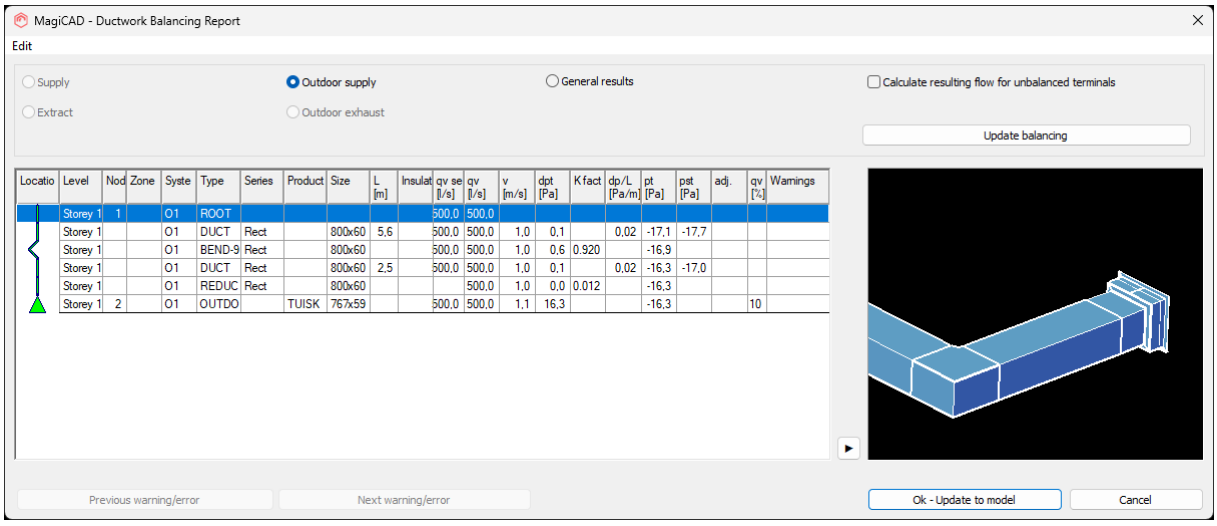


Figure 7: Tuisku.X cover in MagiCAD project with duct connection.



Locatio	Level	Nod	Zone	Syste	Type	Series	Product	Size	L [m]	Insulat	qv se [l/s]	qv [l/s]	v [m/s]	dpt [Pa]	K fact	dp/L [Pa/m]	pt [Pa]	pst [Pa]	adj.	qv [%]	Warnings
	Storey 1	1		O1	ROOT						500,0	500,0									
	Storey 1			O1	DUCT	Rect		800x60	5,6		500,0	500,0	1,0	0,1		0,02	-17,1	-17,7			
	Storey 1			O1	BEND-9	Rect		800x60			500,0	500,0	1,0	0,6	0.920		-16,9				
	Storey 1			O1	DUCT	Rect		800x60	2,5		500,0	500,0	1,0	0,1		0,02	-16,3	-17,0			
	Storey 1			O1	REDUC	Rect		800x60				500,0	1,0	0,0	0.012		-16,3				
	Storey 1	2		O1	OUTDO		TUISK	767x59			500,0	500,0	1,1	16,3			-16,3			10	

Figure 8: MagiCAD ductwork balancing report