

Climecon Tuisku.X MagiCAD Cloud Plugin for AutoCAD

13/04/2026

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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 drawing.

Installing the software

Required third-party software

Climecon Tuisku.X MagiCAD plugin works with the following MagiCAD and AutoCAD versions

- MagiCAD 2026 and AutoCAD 2023-2026
- MagiCAD 2027 and AutoCAD 2023-2027

Before installation

1. Workstation administrator privileges are recommended for installation.
2. **Notice if you have several AutoCAD 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 AutoCAD 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 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 AutoCAD 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.



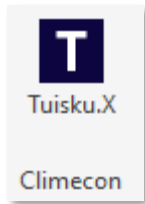
Figure 1: Climecon panel with Tuisku.X insert button

2 Functions

Climecon Tuisku.X MagiCAD Plugin UI overview

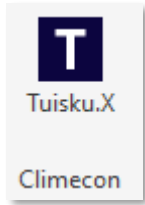
Tuisku.X plugin contains one operation:

Insert operation



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

Detailed insert operation



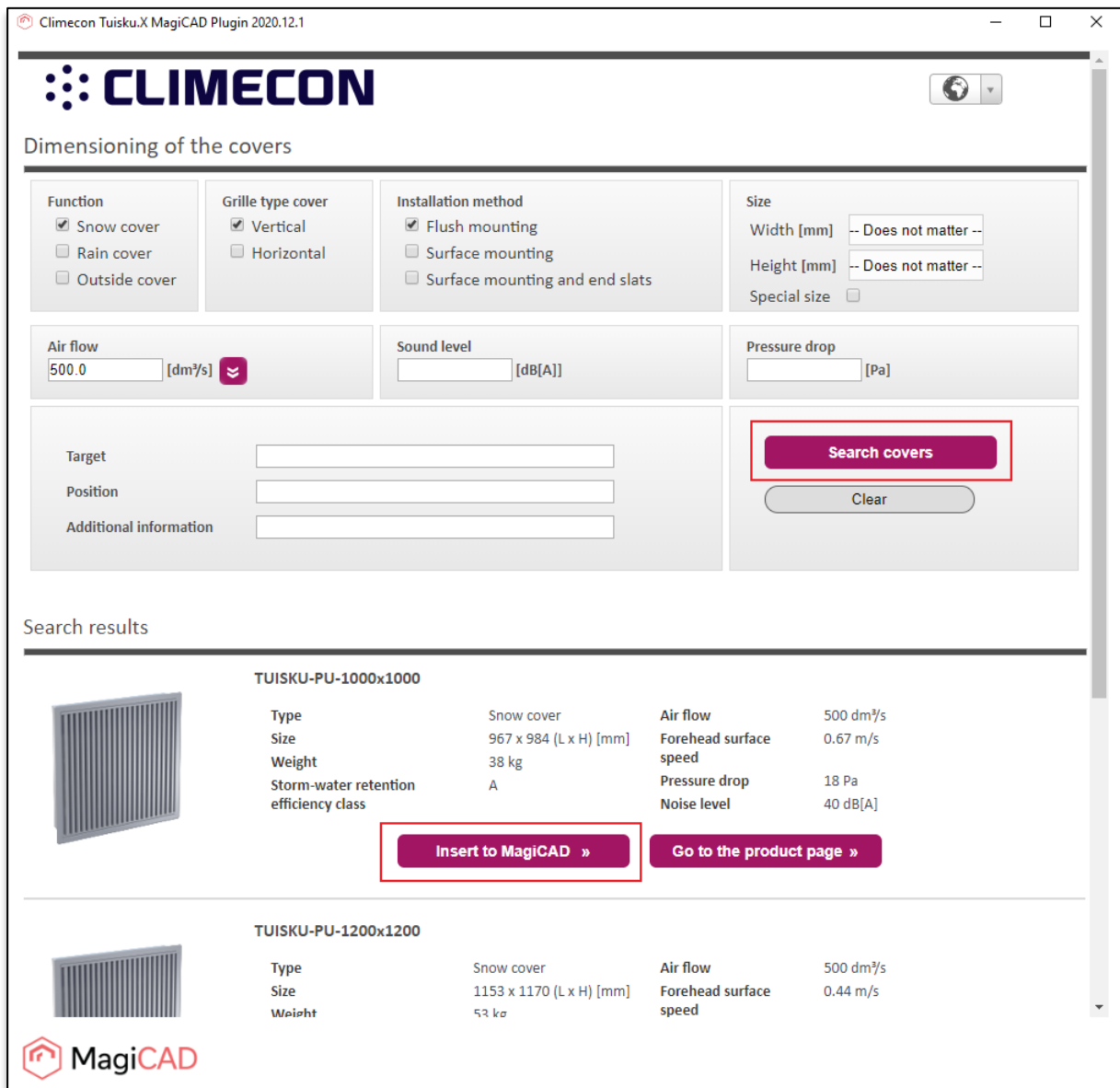
Follow these steps to insert Tuisku.X snow or rain cover unit to MagiCAD drawing:

1. Click the Tuisku.X button from the Climecon panel or give the "TUIISKUX_INS" command.
2. Once the operation is started the plugin opens the Tuisku.X selection tool. 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.

- 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 MagiCAD” button.



CLIMECON

Dimensioning of the covers

Function

- ☒ Snow cover
- ☐ Rain cover
- ☐ Outside cover

Grille type cover

- ☒ Vertical
- ☐ Horizontal

Installation method

- ☒ Flush mounting
- ☐ Surface mounting
- ☐ Surface mounting and end slats

Size

Width [mm] -- Does not matter --

Height [mm] -- Does not matter --

Special size ☐

Air flow 500.0 [dm³/s]

Sound level [dB(A)]

Pressure drop [Pa]

Target

Position


Additional information

Search covers

Clear

Search results


TUISKU-PU-1000x1000



Type	Snow cover	Air flow	500 dm³/s
Size	967 x 984 (L x H) [mm]	Forehead surface speed	0.67 m/s
Weight	38 kg	Pressure drop	18 Pa
Storm-water retention efficiency class	A	Noise level	40 dB(A)

Insert to MagiCAD » **Go to the product page »**

TUISKU-PU-1200x1200



Type	Snow cover	Air flow	500 dm³/s
Size	1153 x 1170 (L x H) [mm]	Forehead surface speed	0.44 m/s
Weight	52 kg		

MagiCAD

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.

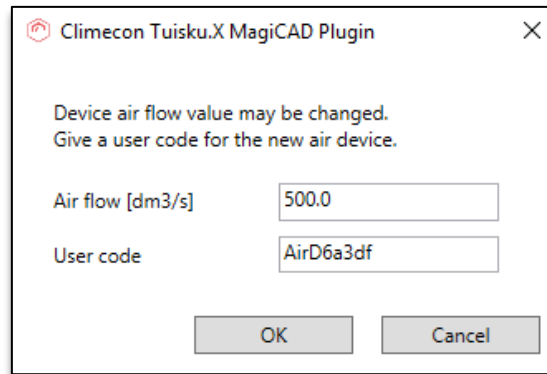


Figure 4: Tuisku.X cover plugin insert dialog.

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

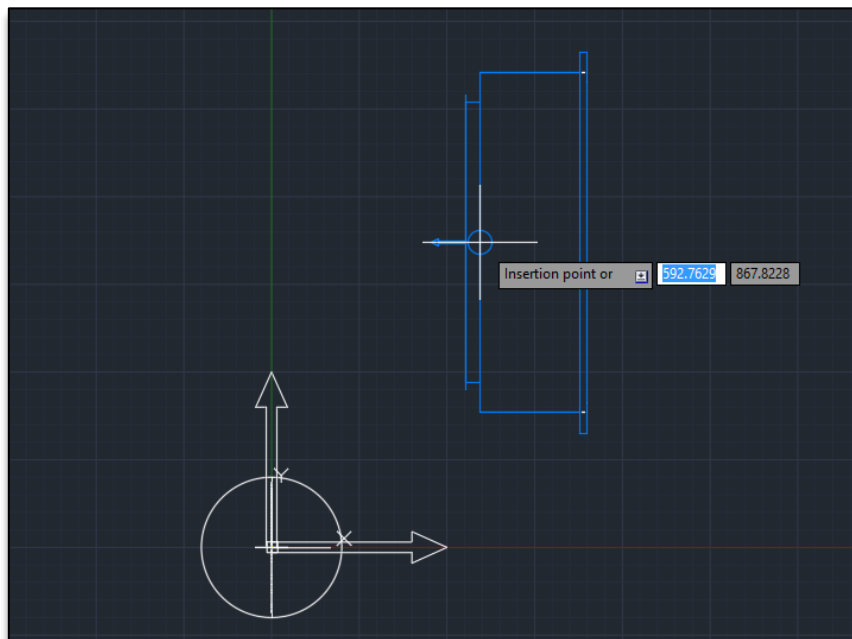
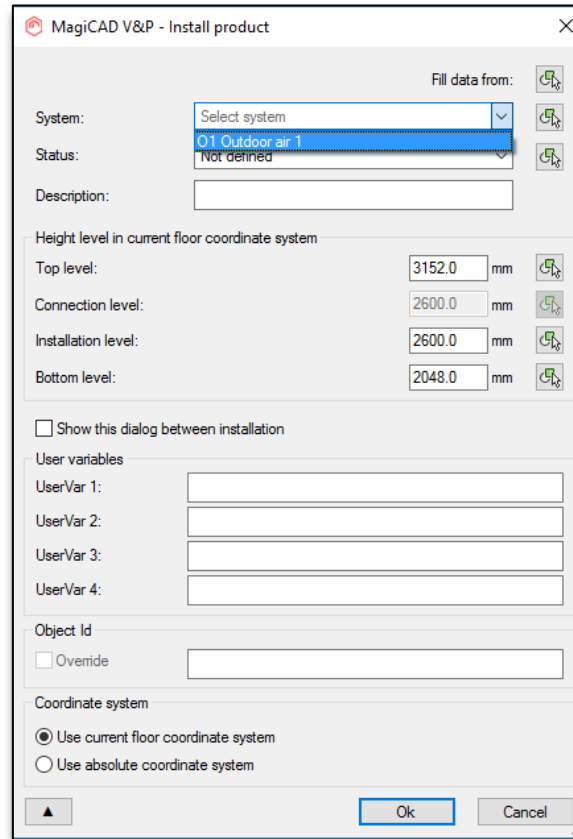


Figure 5: Tuisku.X cover placement to MagiCAD project.

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.



The dialog box is titled "MagiCAD V&P - Install product". It contains the following fields and options:

- System:** A dropdown menu with "Select system" as the current selection. A list is open showing "01 Outdoor air 1" selected and "Not defined" below it.
- Status:** A dropdown menu with "Not defined" as the current selection.
- Description:** A text input field.
- Height level in current floor coordinate system:**
 - Top level:** 3152.0 mm
 - Connection level:** 2600.0 mm
 - Installation level:** 2600.0 mm
 - Bottom level:** 2048.0 mm
- ☐ Show this dialog between installation
- User variables:**
 - UserVar 1: [text input]
 - UserVar 2: [text input]
 - UserVar 3: [text input]
 - UserVar 4: [text input]
- Object Id:**
 - ☐ Override [text input]
- Coordinate system:**
 - ☒ Use current floor coordinate system
 - ☐ Use absolute coordinate system

Buttons at the bottom: [Up arrow], [Ok], [Cancel].

Figure 6: MagiCAD install product dialog.

7. Finally cover is inserted and is ready to be used in the MagiCAD project.

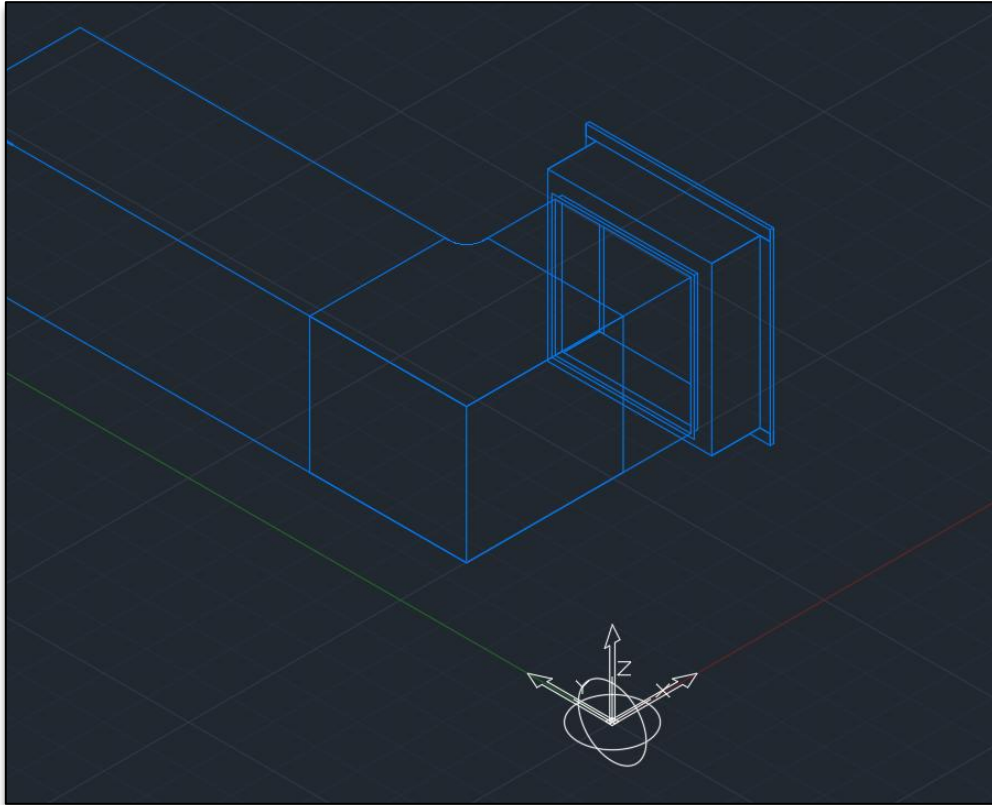


Figure 7: Tuisku.X cover in MagiCAD project with duct connection.