Halton eHIT MagiCAD for AutoCAD Plugin

User guide

02/05/2025

MagiCAD

Content

1   General

1.1   About This Document

This document contains instructions how install and use *Halton eHIT MagiCAD for AutoCAD Plugin.*

1.2   Installing the Plugin

1.2.1 Required Software

Halton eHIT plugin works with the following MagiCAD and AutoCAD versions. MagiCAD is required.

- MagiCAD 2025 and AutoCAD 2021-2025.
- MagiCAD 2026 and AutoCAD 2023-2026.

1.2.2 Installation

1. Download the installation package from MagiCAD portal.

    https://portal.magicad.com/download/ProductSearch?searchStr=Halton&categoryId=3

2. Run the installer on your workstation.

Administrator privileges are recommended for installation. **Note if you have several AutoCAD versions on your workstation:** Before you run the installation program, start MagiCAD to make sure that *Halton eHIT MagiCAD for AutoCAD Plugin* installs on the same AutoCAD platform as MagiCAD.

1.3   Starting the Plugin

The plugin is automatically loaded, and it is ready to be used once AutoCAD and MagiCAD is started.

Before starting to use *Halton eHIT MagiCAD for AutoCAD Plugin*, start MagiCAD and open a Ventilation and Piping project.

Halton eHIT plugin ribbon panel can be found from MagiCAD Connect tab. When the drop-down button is clicked, the list of available operations will be shown.
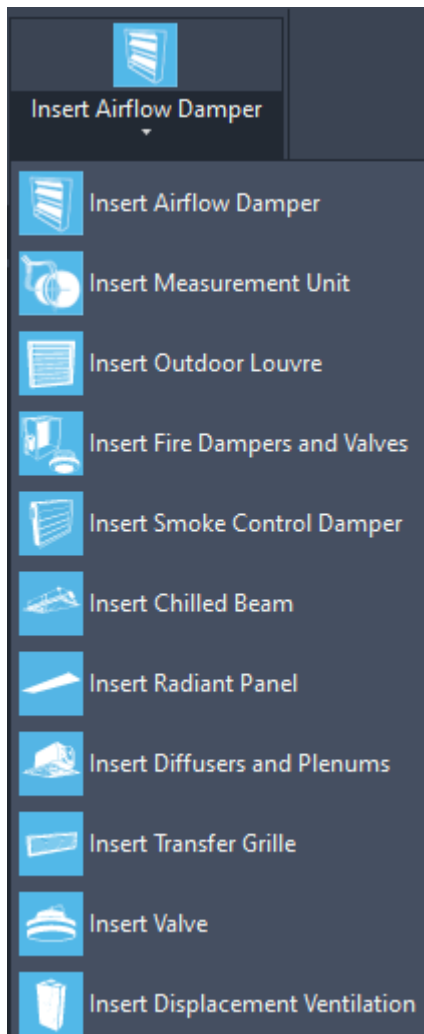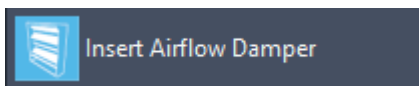
2 How to Use the Plugin
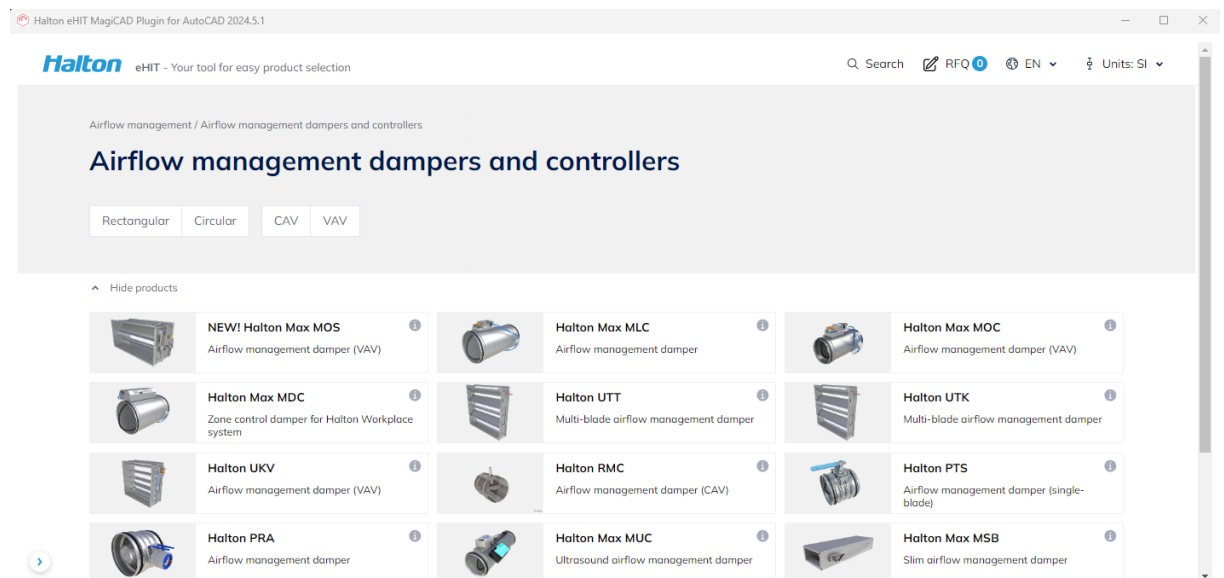
2.1 Insert Airflow Damper

This command opens Halton eHIT web application for selecting airflow dampers. Airflow dampers will be added to *Flow dampers* category in MagiCAD for AutoCAD.

1. Start *Insert airflow damper* command from ribbon button.

The eHIT web application will be opened in the plugin window inside AutoCAD.

2. Select the type of airflow damper.

3. After the type of airflow damper has been selected, the user can configure product properties before inserting the product to MagiCAD.
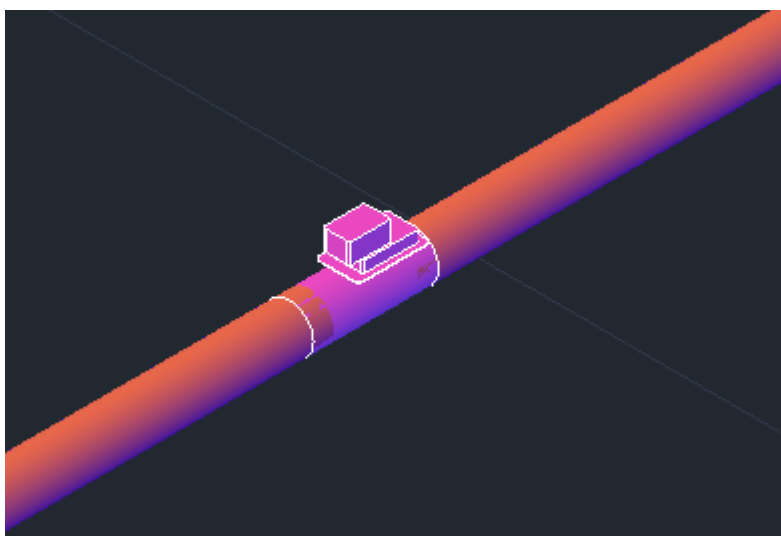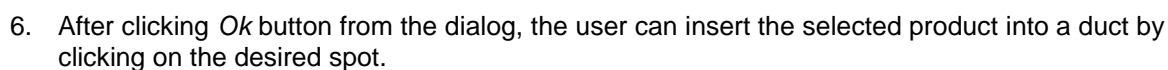
   The product will be added to MagiCAD when *MagiCAD* button is clicked from *Export* dropdown menu.
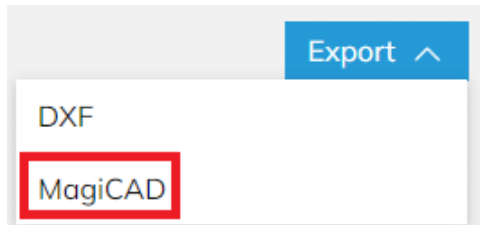
4. The plugin opens the window where the user can give a user code and select 2D symbol for the product.

5. Once the user code and 2D symbol is selected, the selected product is active in the window.
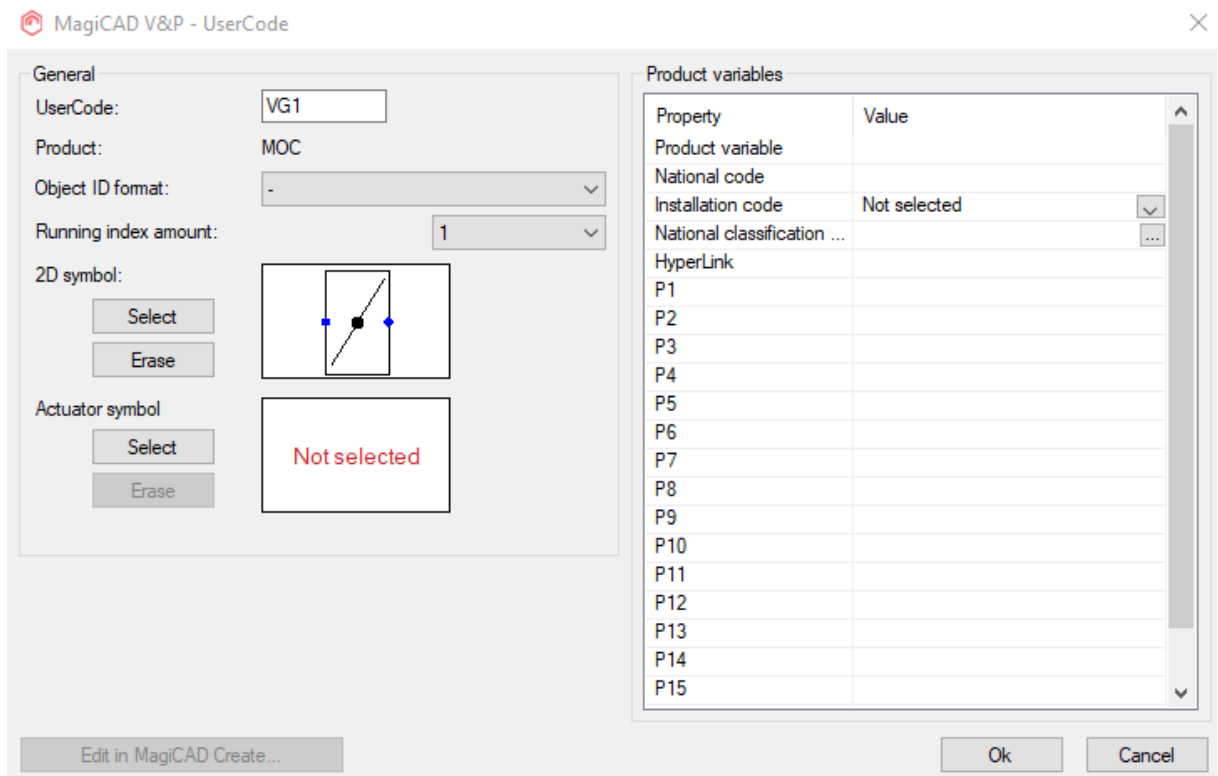
   The product properties can be checked in the window, for example, 3D model and airflow / pressure curve data.

6. After clicking *Ok* button from the dialog, the user can insert the selected product into a duct by clicking on the desired spot.

7. Product properties can be viewed when double-clicking the product instance from the drawing.
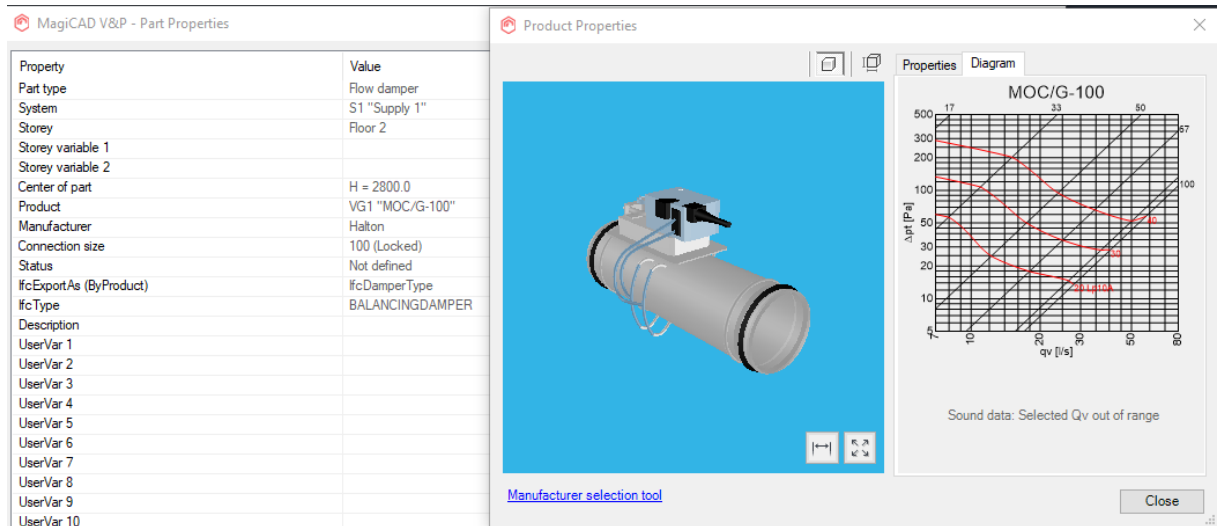
2.2   Insert Measurement Unit

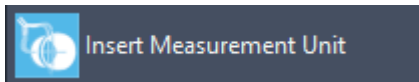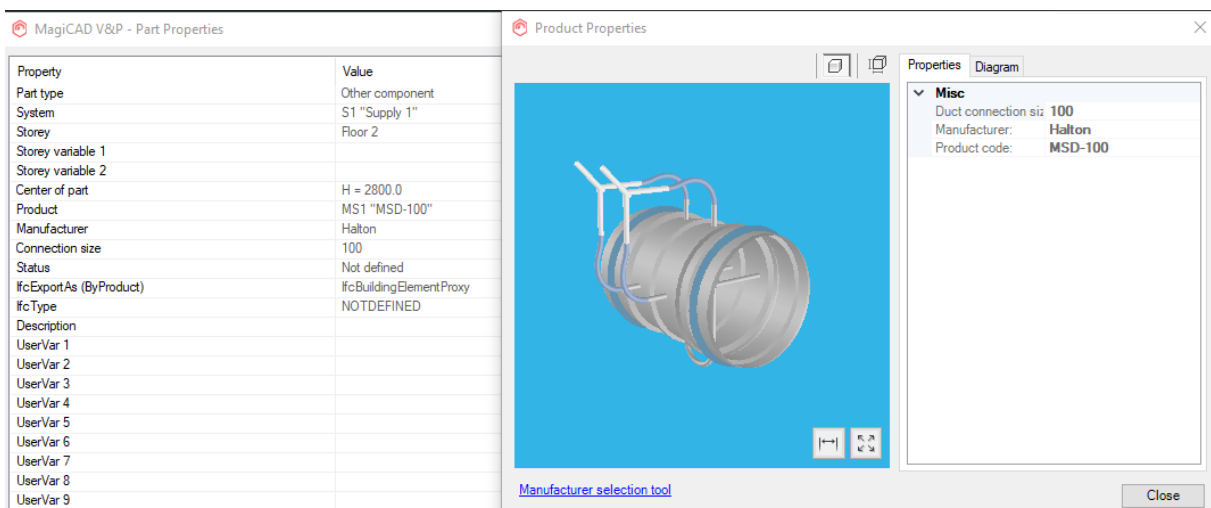This command opens Halton eHIT web application for selecting measurement units. Measurement units will be added to *Other components* category in MagiCAD for AutoCAD.

Adding a measurement unit works the same way than adding an airflow damper to MagiCAD for AutoCAD. The feature is started by clicking *Insert Measurement Unit* command from ribbon button.

This opens Halton eHIT web application for selection and configuring the measurement unit. Once the product is configured, it is added to MagiCAD, and the product can be added to the drawing.

Product properties can be viewed when double-clicking the product instance from the drawing.

2.3   Insert Outdoor Louvre

This command opens Halton eHIT web application for selecting outdoor louvres. Outdoor louvres will be added to *Outdoor devices* category in MagiCAD for AutoCAD.

Adding an outdoor louvre works the same way than adding an airflow damper to MagiCAD for AutoCAD. The feature is started by clicking *Insert Outdoor Louvre* command from ribbon button.
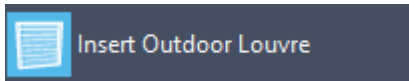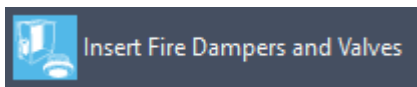

This opens Halton eHIT web application for selection and configuring the outdoor louvre. Once the product is configured, it is added to MagiCAD, and the product can be added to the drawing.

2.4   Insert Fire Dampers and Valves

This command opens Halton eHIT web application for selecting fire dampers and valves. Fire dampers and valves will be added to *Fire dampers or extract devices* in MagiCAD for AutoCAD.

Adding a fire damper or valve works the same way than adding an airflow damper to MagiCAD for AutoCAD. The feature is started by clicking *Insert Fire Dampers and Valves* command from ribbon button.
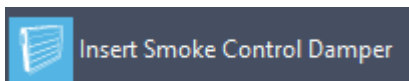

This opens Halton eHIT web application for selection and configuring the fire damper or valve. Once the product is configured, it is added to MagiCAD, and the product can be added to the drawing.

2.5   Insert Smoke Control Damper

This command opens Halton eHIT web application for selecting smoke control dampers. Smoke control dampers will be added to *Fire dampers* in MagiCAD for AutoCAD.

Adding a smoke control damper works the same way than adding an airflow damper to MagiCAD for AutoCAD. The feature is started by clicking *Insert Smoke Control Damper* command from ribbon button.
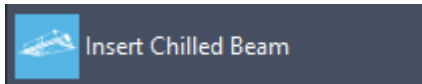

This opens Halton eHIT web application for selection and configuring the smoke control damper. Once the product is configured, it is added to MagiCAD, and the product can be added to the drawing.

2.6 Insert Chilled Beam

This command opens Halton eHIT web application for selecting chilled beams. Chilled beams will be added to *Climate beams* in MagiCAD for AutoCAD.

Adding a chilled beam works the same way than adding an airflow damper to MagiCAD for AutoCAD. The feature is started by clicking *Insert Chilled Beam* command from ribbon button.
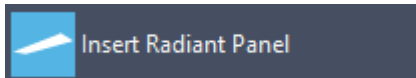

This opens Halton eHIT web application for selection and configuring the chilled beam. Once the product is configured, it is added to MagiCAD, and the product can be added to the drawing.

2.7 Insert Radiant Panel

This command opens Halton eHIT web application for selecting radiant panels. Radiant panels will be added to *Climate beams* in MagiCAD for AutoCAD.

Adding a radiant panel works the same way than adding a chilled beam to MagiCAD for AutoCAD. The feature is started by clicking *Insert Radiant Panel* command from ribbon button.
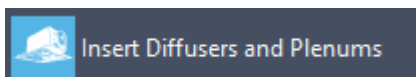

This opens Halton eHIT web application for selection and configuring the radiant panel. Once the product is configured, it is added to MagiCAD, and the product can be added to the drawing.

2.8 Insert Diffusers and Plenums

This command opens Halton eHIT web application for selecting diffusers and plenums. Diffusers and plenums will be added to *Supply devices* in MagiCAD for AutoCAD.

Adding a diffuser or plenum works the same way than adding an airflow damper to MagiCAD for AutoCAD. The feature is started by clicking *Insert Diffusers and Plenums* command from ribbon button.
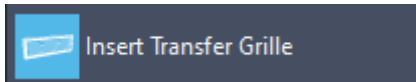

This opens Halton eHIT web application for selection and configuring the diffuser or plenum. Once the product is configured, it is added to MagiCAD, and the product can be added to the drawing.

2.9 Insert Transfer Grille

This command opens Halton eHIT web application for selecting transfer grilles. Transfer grilles will be added to *Supply devices* in MagiCAD for AutoCAD.

Adding a transfer grille works the same way than adding an airflow damper to MagiCAD for AutoCAD. The feature is started by clicking *Insert Transfer Grille* command from ribbon button.

This opens Halton eHIT web application for selection and configuring the transfer grille. Once the product is configured, it is added to MagiCAD, and the product can be added to the drawing.

2.10 Insert Valve

This command opens Halton eHIT web application for selecting valves. Valves will be added to *Extract devices* or *Supply devices* in MagiCAD for AutoCAD.

Adding a valve works the same way than adding an airflow damper to MagiCAD for AutoCAD. The feature is started by clicking *Insert Valve* command from ribbon button.
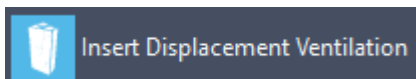

This opens Halton eHIT web application for selection and configuring the valve. Once the product is configured, it is added to MagiCAD, and the product can be added to the drawing.

2.11 Insert Displacement Ventilation

This command opens Halton eHIT web application for selecting displacement ventilation units. Displacement ventilation units will be added to *Supply devices* in MagiCAD for AutoCAD.

Adding a displacement ventilation unit works the same way than adding an airflow damper to MagiCAD for AutoCAD. The feature is started by clicking *Insert Displacement Ventilation* command from ribbon button.

This opens Halton eHIT web application for selection and configuring the displacement ventilation unit. Once the product is configured, it is added to MagiCAD, and the product can be added to the drawing.