Halton eHIT Plugin for MagiCAD for AutoCAD

User guide

08/10/2024





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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 2024 and AutoCAD 2021-2024.
- MagiCAD 2025 and AutoCAD 2021-2025.

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 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 plugins 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.

Halton eHIT MagiCAD Plugin for AutoCAD 2024.5.1					- 0	×
Halton eHIT - Your tool for easy product selection			Q Searc	h ピ RFQ 🧿 🚯 EN ▾ 🕴	Units: SI 👻	^
Airflow management / Airflow management dampers and controllers						
Airflow management dam	pers and	controllers				
Rectangular Circular CAV VAV						
 Hide products 						1
NEW! Halton Max MOS Airflow management domper (VAV)		Halton Max MLC () Airflow management damper	(Halton Max MOC Airflow management damper (VAV)	0	
Haiton Max MDC Zone control damper for Haiton Workplace system		Halton UTT (3) Multi-blade airflow management damper		Halton UTK Multi-blade airflow management dampe	er 🕄	
Halton UKV Airflow management damper (VAV)	Ċ.	Halton RMC (3 Airflow management damper (CAV)	The second	Halton PTS Airflow management damper (single- blade)	0	
Halton PRA Airflow management damper	S.	Halton Max MUC () Ultrasound airflow management damper	ar	Halton Max MSB Slim airflow management damper	0	÷
MagiCAD						



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.

	Export 🔨
DXF	
MagiCAD	

4. The plugin opens the window where the user can give a user code and select 2D symbol for the product.

🙆 MagiCAD V&P - UserC	Code			×
General		Product variables		
UserCode:	VG1	Property	Value	^
Product:	MOC	Product variable		
Object ID format:	- ~	National code		
object to tollide.		Installation code	Not selected	\sim
Running index amount:	1 ~	National classification		
2D symbol:		HyperLink		
		P1		
Select		P2		
Erase		P3		
21030		P4		
Actuator symbol		P5		
Select		P6		
Jeleor	Not selected	P7		
Erase		P8		
		P9		
		P10		
		P11		
		P12		
		P13		
		P14		
		P15		~
Edit in MagiCAD Crea	te		Ok	Cancel
Lot in Magron D Grou			<u>o</u> n	- Controon

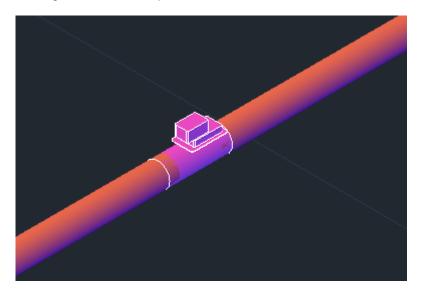


5. Once the user code and 2D symbol is selected, the selected product is active in the window.

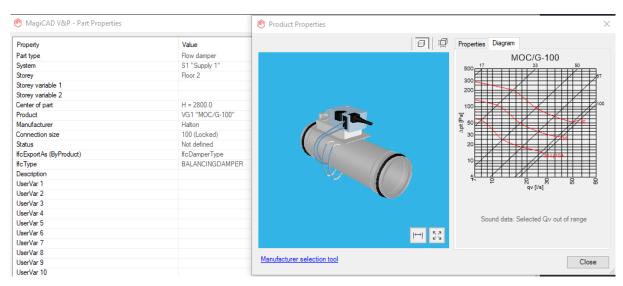
The product properties can be checked in the window, for example, 3D model and airflow / pressure curve data.

🙆 MagiCAD	V&P - Select P	Produc	t					\times
Fire dampers	Flow dampers	Silen	cers Other duct components					
UserCode	Manufacturer		Product		Preview	Properties	Ventilation	
VG1	Halton		MOC					
Lock size			MOC/G-100	~	View mod	le	Rendered with dimension text	\sim
Inherit insu	ulation from duct							
Lock dp			Pa					
Symbols								
Use	r Symbol		Reset Symbol					
							Ok	Cancel

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.

🙆 MagiCAD V&P - Part Properties		Product Properties	
Property	Value	0 0	Properties Diagram
Part type	Other component		✓ Misc
System	S1 "Supply 1"		Duct connection siz 100
Storey	Floor 2		Manufacturer: Halton
Storey variable 1			Product code: MSD-100
Storey variable 2			
Center of part	H = 2800.0		
Product	MS1 "MSD-100"		
Manufacturer	Halton		
Connection size	100		
Status	Not defined		
IfcExportAs (ByProduct)	IfcBuildingElementProxy		
lfcType	NOTDEFINED		
Description			
UserVar 1			
UserVar 2			
UserVar 3			
UserVar 4			
UserVar 5			
UserVar 6		E23 I↔	
UserVar 7		1 63	
UserVar 8		N	
UserVar 9		Manufacturer selection tool	Close



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.

Insert Outdoor Louvre

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.

📙 Insert Fire Dampers and Valves

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.

Insert Smoke Control Damper

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.

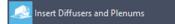


This opens Halton eHIT web application for selection and configuring the radiant panel. Once the product is configured, it is added to MagiCAD, and the product can be added to the drawing.

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.