# **MagiCAD** Create

**Release Notes** 



### MagiCAD Create 2020.5 – Release notes

#### **New features**

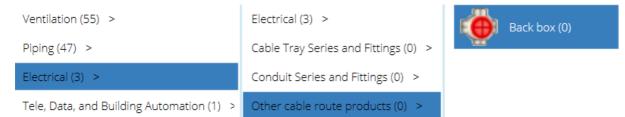
#### Gas valve

Gas valve has been added to MagiCAD Create.



#### Back box

#### Back box has been added to MagiCAD Create.





#### Custom values for sprinkler nominal release temperature

Sprinkler nominal release temperature can now be set with either the old preset values or completely custom values.

3D Technical data (optional)		
Technical data		
Nominal release temperature	99	°C Use custom value 🖌
Response class	QR v	
k-factor	80	_
	Clear	

#### Fixes and improvements

- Added support for new types of substations
- Shape attribute should now be updated correctly with drainage devices
- Connection port sizes attribute should no longer be created when not needed
- Fixed a problem that caused Lp10(A) calculations to give wrong values with small octave band values.
- Various smaller fixes

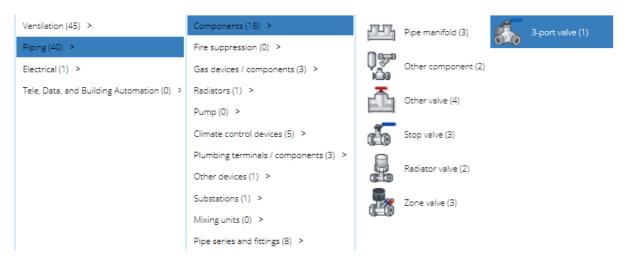


### MagiCAD Create 2020.2 – Release notes

### New features

#### **3-Port Valve**

3-port valve has been added to MagiCAD Create.



#### New warning and validation for electrical products

Voltage now shows a warning if it is not set. Saving is still possible.





If active power is set, then voltage must be also set. In this case saving is not possible until voltage is set and is not 0.

Active power	5		] w
Power supply			
Phase	0 1~	○ 2~	
Voltage			V
cos Φ			 Value cannot be 0.

#### Fixes and improvements

- Export/import should now handle electrical connectors correctly for fancoils.
- Uniticking the "variants share the same data" check box on some products caused pressure and sound data rows to double. This has now been fixed.
- Fixed ordering of variant list in Single Product Mode.
- Fixed problem with Chinese characters sometimes not appearing correctly.
- Drainage components with 90 degree angle should now set correct behaviour attribute values.



### MagiCAD Create 2019.12 – Release notes

#### **New features**

- Added new inputs for pipe series:
  - Thermal conductivity
  - Flexible pipe

#### Pipe sizes

Size	Din	Dout	
Add	Delete		Clear
Material code		0	]
Roughness for piping	3	0	]
Roughness for fresh	water	0	]
Hazen-Williams facto	r	0	]
Thermal conductivity	r	0	W/mK
Flexible pipe			

+ Data for flexible sprinkler pipes

#### **Fixes and improvements**

- Fixed a problem that caused copying variants of certain product classes to crash the program.
- Fixed a problem that caused the program to crash when editing filter.
- Connection ID for qpdElectConnDimData attribute is now correctly updated.
- The number of variants shown on product card is now automatically updated when creating, deleting or copying variants.
- Several export/import fixes and improvements
- Negative values are no longer accepted in the count of vanes.



### MagiCAD Create 2019.9 – Release notes

#### **New features**

Single Product Mode now supports third party RFAs.

#### New product classes

Pipe tap and drainage N-branch have been added.

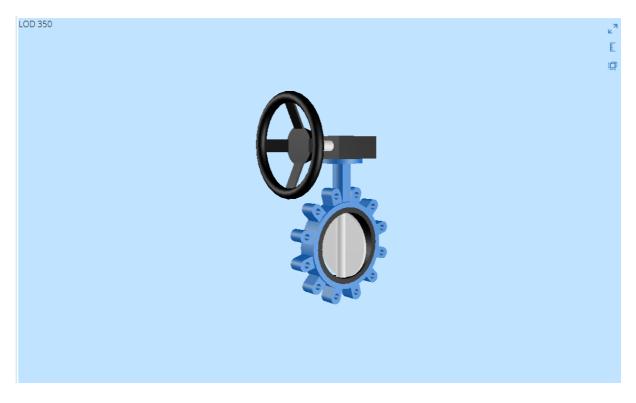


### MagiCAD Create 2019.5 – Release notes

#### **New features**

#### Level of Detail (LOD) support

MagiCAD Create now support different detail modes for models. The program will show the highest available detail mode. Current detail mode is shown in the upper left corner of the the model.



#### **Constant Pressure Valve**

New subtype of zone valve, constant pressure valve has been added:



### Product

ConstantPressureValve

MagiCAD for Revit 2020 -> MagiCAD for AutoCAD 2020 ->

#### Basic data

Code

ConstantPressureValve

Description (English)

#### Valve type

- Balancing valve
- Automatic balancing valve
- Constant pressure valve
- Pressure independent valve
  - Interpolation allowed

+ Advanced

#### Inlet pressure

Max inlet pressure

#### Outlet pressure

 Min outlet pressure
 150
 kPa

 Max outlet pressure
 600
 kPa

 Factory pressure (default value)
 400
 kPa

#### Flow

	-	
Min	fla	
VIIII	пo	VV -

Max flow

0	l/s
2	l/s

1600

kPa

#### Pressure limits

Max pressure ratio

Min pressure difference (between inlet/outlet)

100	kPa
10	



#### **Ducts Series and Fittings**

Ducts series and fittings have been added:

Ventilation (19) >	Air Terminal Devices (1) >	Duct bend (2)	Л	Duct S-part (2)	Duct T-branch (2)	Duct plug (0	J)
Piping (4) >	Air Handling Equipment (0) >						
Electrical (0) >	Flow dampers (0) >	Duct (0)		Duct joint (2)	Duct X-branch (2)		
Tele, Data, and Building Automation (0) $\Rightarrow$	Climate control devices (4) >	Duct tap (0)		Duct reducer (2)	 Duct Y-branch (2)		
	Components (0) >	Duct tap (0)		Duct reducer (2)	Duct 1-branch (2)		
	Duct series and fittings (14) >						

#### **Cable Tray Series and Fittings**

Cable tray series and fittings have been added:

Ventilation (19) >	Electrical (0) >	$\bigcirc$	Cable Tray Bend (0)		Cable Tray X-Branch (0)		Cable Tray Reducer (0) Cable Tray Segment (0)
Piping (4) > Electrical (0) >	Cable Tray Series and Fittings (0) > Conduit Series and Fittings (0) >	Di	Cable Tray Vertical Bend (0)	4	Cable Tray T-Branch (0)	6-0	Cable Tray Union (0)
Tele, Data, and Building Automation (0) >				~~			

#### **Conduit Series and Fittings**

Conduit series and fittings have been added:

Ventilation (19) >	Electrical (0) >	5	Conduit Bend (0)		Conduit T-Branch (0)	٢	Conduit Union (0)
Piping (4) >	Cable Tray Series and Fittings (0) $>$						
Electrical (0) >	Conduit Series and Fittings (0) $\geq$	Ę	Conduit X-Branch (0)	0	Conduit Reducer (0)	6/	Conduit Segment (0)
Tele, Data, and Building Automation (0) >							

#### Single Product Mode

MagiCAD Create can now be launched from MagiCAD to edit single products.

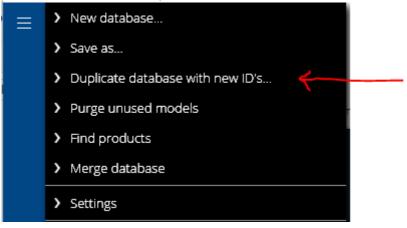


### MagiCAD Create 2019.3 – Release notes

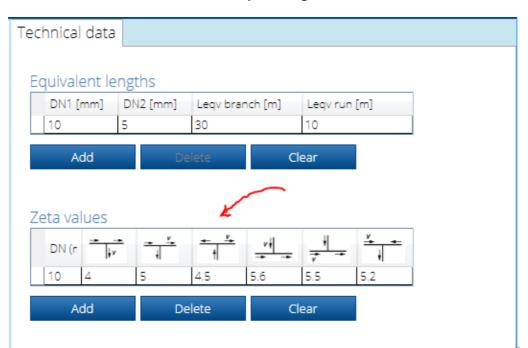
#### **New features**

#### Duplicate database with new new ID values

The whole database can be copied so that new ID values are created for every product and variant. The Database duplication can be started from the main menu:



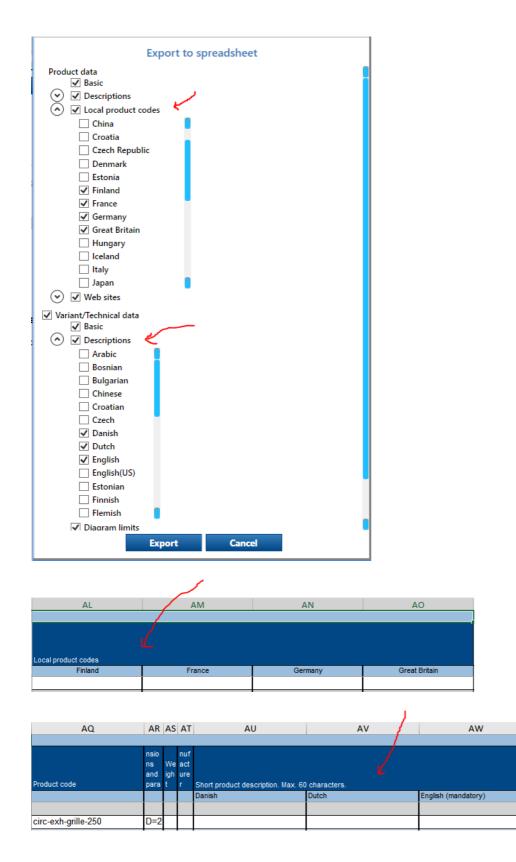
#### Zeta values have been added to Pipe fittings





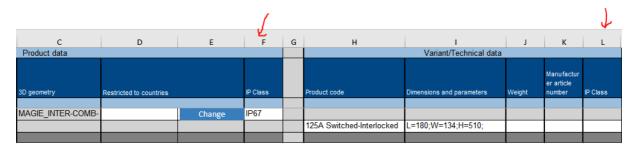
#### The 'Export products to spreadsheet' feature extended

Local product codes and Variant descriptions can be exported now:

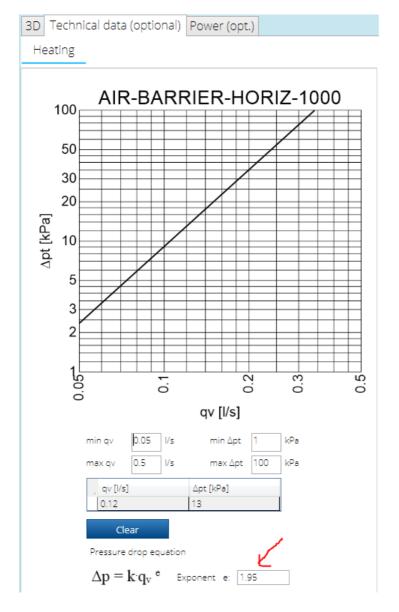




IP-Class has been added to the basic export data in Electrical products:



The exponent value for the pressure drop equation has been added also to the **Fan Coil Unit** and **Other device** product classes:



### MagiCAD Create 2019.1 – Release notes

#### Database groups improved

In this release, several database groups can be selected and the selected groups can be deleted in the **Database groups** dialog.

Also, the current operations in the **Database groups** dialog can be cancelled:

Database groups	
Filter groups Type in group description and press Enter	Filter products
<ul> <li>Generic</li> <li>Group 1</li> <li>Group 2</li> <li>Group 2 - 1 (11)</li> <li>Group 3</li> <li>Group 3 - 1</li> <li>Ungrouped p</li> <li>Add database group</li> <li>Remove database group</li> <li>Rename database group</li> </ul>	0 products in the selected group
ADD DELETE RENAME	



#### Validation improvements

Single curve is not acceptable in adjustable ventilation products.

#### Import products from spreadsheet - corrections

Fan speed changes are now handled correctly when importing **Air Handling Equipment** products.

Diagram limits are now exported correctly for Air Handling Equipment products.

#### **Product selection improvements**

The last, partially visible product at the end of the product list can now be selected as easily as all other products in the product list.

After the copy, the copied product is now always selected and visible at the product list.



### MagiCAD Create 2018.10 – Release notes

#### **New features**

#### The modelling of Distribution box

The modelling of the Distribution box product type has been added.



#### The 'Find product' feature extended

The products can now be found in the whole database, discipline, product category or product type. The **Find products** dialog can be opened from the Main menu:

ImagiCreate 2018.10 C:\Data		C:\Databases\qpd_product\Generic_18f.qpd
≡	> New database	omponents (138) >
	> Save as	re suppression (538) >
	> Purge unused models	as devices / components (26) >
	> Find products	adiators (74) >
	> Merge database	ump (19) >
	> Settings	limate control devices (222) >

Or the proudct can be found by selecting Find products in the context menu at the selected level:



🖻 Ma	agiCreate 2018.10	pd_product\Generic_18f.qpd			
≡	Database	Ventilation (433) >	Components (138) >		Manhole & R
	Generic_18f	Piping (1386) >	Fire suppression (538) >		
		Electrical (730) >	Gas devices / components (26)	>	Drainage dev
		Tele, Data, and Building Automation (322)	Radiators (74) >		Domestic wa
			Pump (19) >		Domestic war
			Climate control devices (222) >		Prainage con
			Plumbing terminals / componen	ts (184) >	
			Other devices (11) >	Find pro	
				Export p	products
			Substations (51) >	Replace	3D geometry
			Shunts (120) >	Merge o	database

All products at the selected level (Discipline, product category or product type) are on the list of the **FindProducts** dialog:

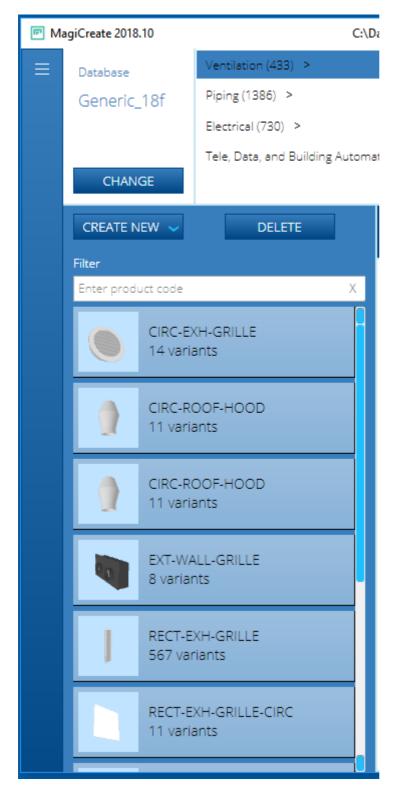
Find products	
Filter	
bat	
BATHTUB-1-1580	
BATHTUB-1-1680	
BATHTUB-2-1300	
BATHTUB-2-1500	
BATHTUB-2-1600	
BATHTUB-3-1700	
BATHTUB-4-1200	
BATHTUB-4-1500	
BATHTUB-4-1700	
BATHTUB-WITH-COVER	
Bath and shower mixer-DN12	
Bath and shower mixer-DN15	
OK Cancel	

The Find products dialog can also be opened simply by pressing CTRL+F



#### Variant count visible in all products with several variants

The number of variants in the product can be seen on the product list.





#### The 'Merge database' feature extended

The merge feature can be used for merging also distinct products.

🖻 M	agiCreate 2018.10	C:\Databases\q	od_product\Generic_18f.qpd	
$\equiv$	Database	Ventilation (433) >	Air Terminal Devices (105) >	Outdoor exhaust air device (10)
	Generic_18f	Piping (1386) >	Air Handling Equipment (53) >	Find products
		Electrical (730) >	Flow dampers (6) >	Extract al Export products ply air de Replace 3D geometry
		Tele, Data, and Building Automation (322)	Climate control devices (222) >	
	CHANGE		Components (47) >	

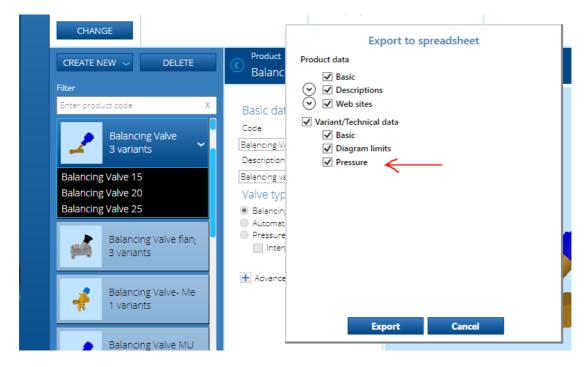
When selecting **Merge database** on the context menu, the selection dialog will open with a whole list of the products at the selected level. All products on the list can be selected, or if needed, only the ones that need to be merged.

Select products to be merged
Filter
Select All
CIRC-EXH-GRILLE
CIRC-ROOF-HOOD
EXT-WALL-GRILLE
RECT-EXH-GRILLE
RECT-EXH-GRILLE-CIRC
RECT-ROOF-HOOD
Roof Hood-Rect-Flattop
Roof Hood-Rect-Sharptop
OK Cancel



#### The 'Export products to spreadsheet' feature extended

Pressure data can be exported now also from the **Zone valve** product type.



New excel sheet columns in the Balancing valve type:

Variant/T	echnical dat	a	
Pressure data Adjustment	with volume c	ontrol Pressure drop	Kv
2	0.014305	1	0.515
2.5	0.019	1	0.684

New excel sheet in the Automatic Balancing valve type:

Variant/Te	echnical data				
Kvs values			Differential pressure range		
Flow	Pressure drop	Kv	PressureMin	PressureMax	
0.027777	1	1	1	100	

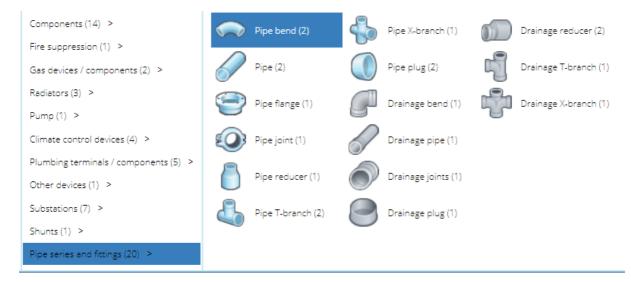


### MagiCAD Create 2018.6 – Release notes

#### **New features**

#### Modelling of Pipe series and fittings

The modelling of Pipe series and fittings product category has been considerably extended in this release. Plenty of pipe fitting product types have been added.





#### The 'Export products to spreadsheet' feature extended

Pressure data including Kv value can be exported from **Other component**, **Other valve** and **Stop valve** product types.

CHANGE CREATE NEW  CREATE NEW  CREATE	Export to spreadsheet Product data    Product data       Product data
Enter product code X BALL-VALVE-THREAD ball-valve-thead-DN15 ball-valve-thread-DN20	<ul> <li>✓ Variant/Technical data</li> <li>✓ Basic</li> <li>✓ Diagram limits</li> <li>✓ Pressure</li> </ul>
UUSI STOP VALVE	
	Export Cancel

Variant/Te	echnical da	ta					
Manufactur er article number	Diagram limi	ts (heating)			Pressure data without volume control		
	QvMin	QvMax	DpMin	DpMax	Flow	Pressure drop	Ки
	1	6	1	100	0.555555	1	20
	5	20	1	100	1.666667	1	60



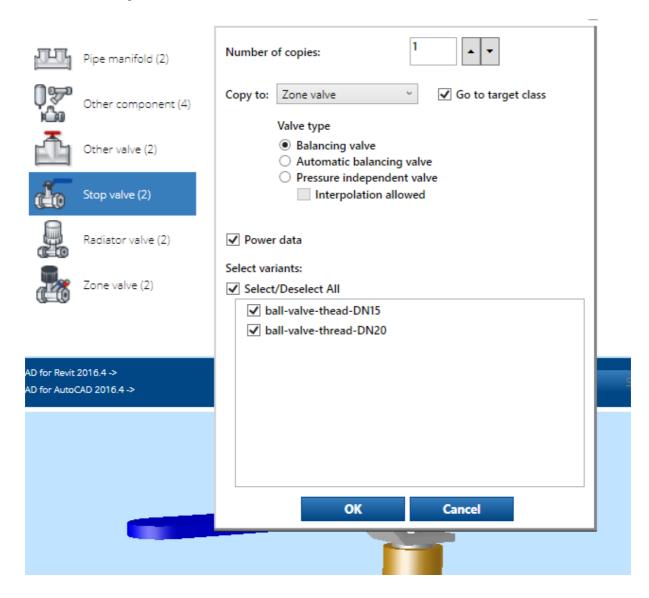
### Support for equivalent lengths for sprinkler pipes

Equivalent length values can be added for every pipe size:

MagiCAD for Revit 2014.4 -> MagiCAD for AutoCAD not supported						
Technical data						
Pipe sizes						
Size	Din		Dout			
40	40		45			
50	50		55			
Add	Delete		Clear			
Material code	Material code					
Roughness for pipin	g	0.	15			
Roughness for fresh	water	1				
Hazen-Williams facto	or	12	20			
<ul> <li>Data for flexible</li> </ul>	sprinkler pipes					
Equivalent leng	th, DN Size:	50				
Pipe length [mm]	t length [mm]					
200						
300	350	)				
Add	Delete		Clear			



In **Other component, Other valve**, **Stop valve**, **Radiator valve** and **Zone valve**, it is now possible to copy products from one product class to another. Included variants and Power data can be selected, as well as the target class:





#### Power tab has been added to several product types

The power tab can be found now also in **Stop valve**, **Radiator valve**, **Zone valve**, **Other valve**, **Domestic Water device**, **Other Component**, **Gas device**, **Gas component**, **Manifold**.

8	gs (20)	>		Zone va	alve (2)		
		$(\mathbf{b})$	giCAD for Revit giCAD for Auto(		4->		
	3D .	Technical	data (opt	ional)	Power	(opt.)	
	Pov	ver supply	/				
	Phas	e	● 1~ ○	2~ (	3~		
	Volta	ge	220			V	
	Activ	e power	60			W	
	Nom	inal current	0.2		,	Ą	
	cos 0	D	0				
			Clear	-			



## MagiCAD Create 2018.3 – Release notes

#### **New features**

#### Luminous flux

In this release, Luminous flux has been added to the Luminaire product type:

Connection box (55		cket (389) /itch (75)
SED-SQUARE-DOWN-4		MagiCAD for Revit 20 MagiCAD for AutoCAI
3D Technical data (op	tional)	
Active power	464	W
Light source	4x100	
Luminous flux	8000	Im
R		



-

### Support for Air Terminal Devices with more than 1 duct connections

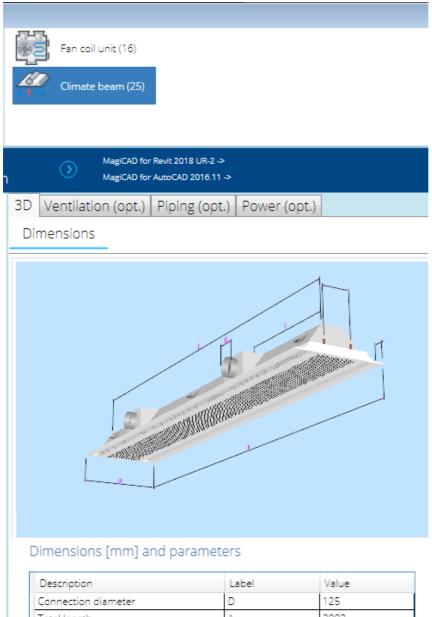
The amount of duct connections can be changed:

r Terminal Devices (64) > r Handling Equipment (0) >	Outdoor exha	ust air device (0)	Outdoor supply air
ow dampers (29) >	🔀 Extract air dev	ice (58)	Supply air device (6
limate control devices (134) >		20-2	
omponents (376) >			
	MagiCAD for Revit 2018 - MagiCAD for AutoCAD 20		
D Ventilation (opt.) Power	(opt.)		
Dimensions			
	1.14132.1424Fee	_	
Dimensions [mm] and para		B	
		Value	
Dimensions [mm] and para Description Diffuser length	meters Label A	Value 1797	
Dimensions [mm] and para	meters Label A B	Value 1797 200	
Dimensions [mm] and para Description Diffuser length	meters Label A B D	Value 1797 200 200	
Dimensions [mm] and para Description Diffuser length Diffuser width	meters Label A B	Value 1797 200 200 276	
Dimensions [mm] and para Description Diffuser length Diffuser width	Meters Label A B D H J	Value 1797 200 200 276 270	
Dimensions [mm] and para Description Diffuser length Diffuser width Duct diameter	Meters Label A B D H J L	Value 1797 200 200 276 270 115	
Dimensions [mm] and para Description Diffuser length Diffuser width Duct diameter distance between conn.box	meters Label A B D H J L M	Value 1797 200 200 276 270 115 600	
Dimensions [mm] and para Description Diffuser length Diffuser width Duct diameter	Meters Label A B D H J L	Value 1797 200 200 276 270 115	



#### Support for Climate beam with more than 1 duct connections

The amount of duct connections can be changed:



Connection diameter	D	125
Total length	A	2992
Duct diameter	D1	15
Spigot: front/1r/2r/1top/2top	MT	3
1: cooling 2:heating 3: c&h	MT2	2



### MagiCAD Create 2017.12 – Release notes

#### **New features**

#### Modelling of Access panel

The modelling of Access panel has been added in this release.

🖻 Mag	giCreate 2017.12								- • ×	
	APanelTest Piping (0) > Electrical (0) > Tele, Data, and Building Automation CHANGE CREATE NEW C DELETE O Product ACCE		ing Automation (0) >	Air Terminal Devices (0) > Air Handling Equipment (0) > Flow dampers (0) > Climate control devices (0) > Components (18) >	Fire damper (0)	mponent (0)	Silencer (0) Access panel (18)		-	
			Product     ACCESS PA	NEL CAP	MagiCAD for Revit 2017 MagiCAD for AutoCAD 2			UNDO	SAVE	
			Desis data						×۶	
	Access-panel-1000 Access-panel-1000 Access-panel-1250 Access-panel-125- Access-panel-160-	cap )-cap cap	Basic data Code ACCESS PANEL Cr Description (Russ Component t © Circular duct © Rectangular du	ian) ype					E 19	



#### The 'Export products to spreadsheet' feature extended

Basic technical data can be exported from all **Piping** products.



Export to spreadsheet
Product data
<ul> <li>Basic</li> <li>Descriptions</li> <li>Web sites</li> </ul>
<ul> <li>Variant/Technical data</li> <li>Basic</li> <li>Diagram limits</li> </ul>
Export Cancel



#### Export Database groups to spreadsheet

The database groups can be exported to spreadsheet, and the localized group headers can be edited there and imported back to the database.

Database (	groups
Filter groups Type in group description and press Enter	Filter products
The web opportunity and high river	
<ul> <li>Generic GROUP ONE (9)</li> <li>GROUP TWO SUB GROUP (6) Ungrouped products (47)</li> </ul>	47 products in the selected group (new product) (new product) (new product) (new product) (new product) (new product) ACCESS PANEL CAP BEAM3-COOL-ALLTOP-REC CEILING-LAMP.* COVER-SOCKET-ceiling EKA
ADD DELETE OK	RENAME Export Import



### MagiCAD Create 2017.10 – Release notes

#### **New features**

#### 'Export products to spreadsheet' feature extended

The technical data can be exported from all **Electrical** products as well as all products from **Tele**, **Data**, and **Building Automation**.

🖻 Mag	iCreate 2017.10								
≡	Database Ventilation (12) 2017_04TEST Piping (45) >		>	Electrical (25) >	۵ 🌭	minaire (21) Socket (1) Export products	Heater (0)		
	2017_041231	Electrical (25) >			- <b>O</b> G	Replace 3D geometry	Equipment (0)		
	CHANGE	Tele, Data, and Building Automation (1) $$ >				Merge database			
	CREATE NEW 🗸	DELETE	Product     LUMIPRODUCT	П	۲	MagiCAD for Revit 2013.11 -> MagiCAD for AutoCAD 2014.11 ->	UNDO SAVE		



#### Extended Descriptions and Market area codes and websites

The amount of description languages has been added, as well as the possible Market areas:

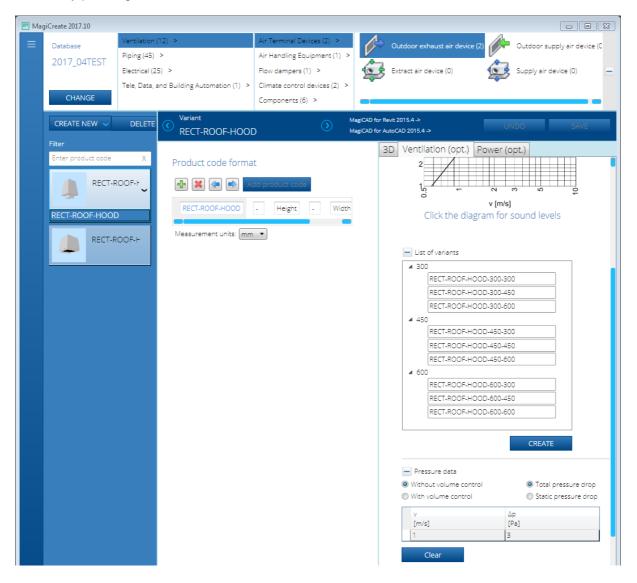
Language	Description
Chinese	排气罩,矩形连接
Swedish	Swedish desc
Russian	Russian desc
French	French desc
English	Exhaust air cowl, rectangular connection
English(US)	English description
Arabic	
Bosnian	
Bulgarian	
Croatian	
Czech	
Danish	
Dutch	
Estonian	
Finnish	
Flemish	
German	
Hungarian	
Icelandic	
Italian	
labanese	

Market area	Website	Code	Availabl
Russia	www.r.com	market area code for russian markets	
Great Britain	www.gb.com	market area code for GB markets	
Bosnia and Herzegovina			
Bulgaria			
China			
Croatia			
Czech Republic			
Denmark			
Estonia			
Finland			
France			
Germany			
Hungary			
lceland			
Italy			
Japan			
Latvia			
Lithuania			
Norway			
Poland			
Doctural			



#### Improved modelling of the Air Terminal Devices

The modelling of the **Air Terminal Devices** can now be started by defining the size range of the variants. The common technical data can be given for all sizes. This is a significantly helpful tool for creating quickly hunders of rectangular grilles. After entering the data, the distinct variants can be created by pressing the **CREATE** button.





#### Manufacturer article number

In this release, Manufacturer article number has been added to every product type:

Variant rect-roof-hood-1100x1100	$\bigcirc$	MagiCAD for Revit 2015 MagiCAD for AutoCAD 2
Basic data		
Code		
rect-roof-hood-1100x1100		
		Advanced 💻
Description (English)		
		MORE
Manufacturer article number:		
Weight [kg]:		

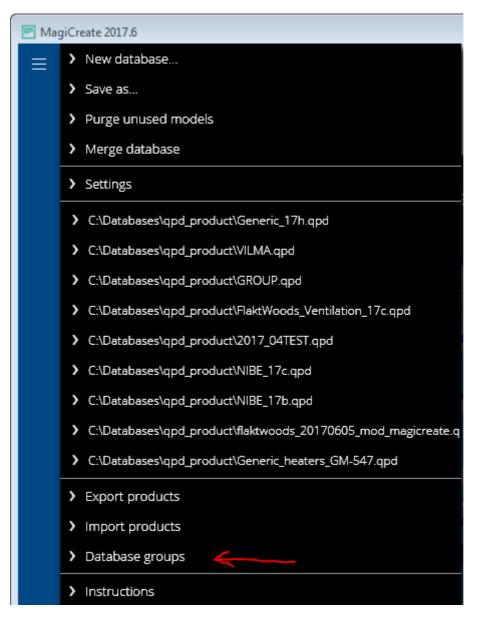


### MagiCAD Create 2017.6 – Release notes

#### **New features**

#### **Database groups**

In this release, database groups can be created and modified. The **Database groups** dialog can be started in the main menu:





In the **Database groups** dialog, the groups can be added, deleted and renamed. The location in the group tree can be changed by dragging the group and dropping it in the new location. If the group is removed, the products in the group will be moved to the **Undefined** group.

	Database groups
4 Generic	
Active beams	
<ul> <li>Active beams</li> <li>Recessed installation</li> </ul>	
All top connections (3)	
Duct side connection (27)	
Duct top connection (10)	
✓ Surface installation	
All top connections (3)	
Duct side connection (24)	
Duct top connection (10)	
AHUs (11)	
AHUs Extract and exhaust (4)	
AHUs Supply and outdoor (10)	
Air curtains (4)	
Air separators (1)	
Air valves (8)	
Alarm valves (2)	
Alarms (13)	
Angled radiator valves (1)	
Balancing valves (11)	
Ball valves (5)	
Basins (9)	
Bathtubs (16)	
Butterfly valves (10)	
Cabinet (11)	
Cabinet (3)	
Camera (14)	
Casette fancoils	
Ceiling (10) Ceiling (5)	
Ceiling (5) Ceiling surface	
Ceiling-Sacket Outlet recessed (18)	
Ceiling-Socket Outlet surface (6)	
Centrifugal fans (18)	
Changeover Switches (2)	
Check valves (5)	



The selected products listed on the right can be dragged and dropped to any leaf (= lowest level) group.

	Database groups
	24 products
▲ Generic	BEAM1-COOL-HEAT-OPP-S-SURF
<ul> <li>Active beams</li> <li>Recessed installation</li> </ul>	BEAM1-COOL-HEAT-SAME-S-SURF
All top connections (3) Duct side connection (27)	BEAM1-COOL-SAME-S-SURF
Duct top connection (10)	BEAM1-HEAT-OPP-S-SURF
<ul> <li>Surface installation</li> <li>All top connections (3)</li> </ul>	BEAM1-HEAT-SAME-S-SURF
Duct side connection (24)	BEAM2-COOL-HEAT-SAME-S-SURF
Duct top connection (10) AHUs (11)	BEAM2-COOL-HEAT-TOP-SURF
AHUs Extract and exhaust (4) AHUs Supply and outdoor (10)	BEAM2-COOL-SAME-S-SURF
Air curtains (4)	BEAM2-HEAT-OPP-S-SURF

When starting **Database groups** in a new database, all existing products will automatically be connected to the **Undefined** group.

	Database groups			
	6 products			
<ul> <li>NewDatabase</li> <li>Undefined (6)</li> </ul>	CIRC-ROOF-HOOD			
	CIRC-ROOF-HOOD(1)			
	KITCHEN-HOOD			
	RECT-OUTD-GRILLE			
	RECT-ROOF-HOOD			
	FRESH-VALVE-CIRC-CIRC			



### Manufacturer name abbreviation

The Manufacturer name abbreviation field is a new three letter field in the Settings:

Settings	
Check for updates automatically	
Check for updates	
Manufacturer	Website
NewDatabase	
Manufacturer name abbreviation	
NDB	
Database password	☑ Use templates with new products
	Se camputes marriew products
Online product database locations	
Europe 🔹	
Default language	User interface language
English 💌	English 👻
ОК	Cancel

The **Manufacturer name abbreviation** value in this field will be saved for every product in the database. It is not visible in MagiCAD Create.



The **3D** tab has been divided into two sub tabs.

## **Dimensions**:

D Ventilation data (opt.)	Power (opt.)		
Dimensions Service a	rea		
			_
			¥ <sup>2</sup>
			E
	*	4	E
		9	IQ
	a		
	M	AGIV_AHU_C_CC	OMB_SIDE_00
Dimensions [mm] and p		AGIV_AHU_C_CC	DMB_SIDE_00
Dimensions [mm] and p		AGIV_AHU_C_CC	OMB_SIDE_00
	arameters		DMB_SIDE_00
Description	arameters Label	Value	DMB_SIDE_00
Description Supply duct size	Label DSUP	Value 160	DMB_SIDE_00
Description Supply duct size Outdoor duct size	Label DSUP DOUT	Value 160 160	DMB_SIDE_00
Description Supply duct size Outdoor duct size Extract duct size	Label DSUP DOUT DEXT	Value 160 160 160	DMB_SIDE_00
Description Supply duct size Outdoor duct size Extract duct size Exhaust duct size	Label DSUP DOUT DEXT	Value 160 160 160 160	DMB_SIDE_00

# Service area:

D Ventilation data (opt.) Po	wer (opt.)		
Dimensions Service area			
			7
			ĸ
			E
	p. 3		IQ
	ALC: NO		
	M	AGIV_AHU_C_CO	MB_SIDE_00
Service area dimensions [mr			MB_SIDE_00
Service area dimensions [mr			MB_SIDE_00
	n] and parame	iters	MB_SIDE_00
Description	n] and parame	eters Value	MB_SIDE_00
Description Clearance Zone Front Depth	n] and parame Label CZONF	Value 75	MB_SIDE_00
Description Clearance Zone Front Depth Clearance Zone Back Depth	n] and parame Label CZONF CZONB	Value 75 75	MB_SIDE_00
Description Clearance Zone Front Depth Clearance Zone Back Depth Clearance Zone Left Depth	n] and parame Label CZONF CZONB CZONL	2ters Value 75 75 75 75	MB_SIDE_00
Description Clearance Zone Front Depth Clearance Zone Back Depth Clearance Zone Left Depth Clearance Zone Right Depth	n] and parame Label CZONF CZONB CZONL CZONR	eters Value 75 75 75 75 75 75	MB_SIDE_00
Description Clearance Zone Front Depth Clearance Zone Back Depth Clearance Zone Left Depth Clearance Zone Right Depth Clearance Zone Height Depth	n] and parame Label CZONF CZONB CZONL CZONR CZONH	eters Value 75 75 75 75 75 991	MB_SIDE_00

The **Service area** sub tab only exists with parameters starting with "**CZ**" or "**MZ**" in the 3D Geometry.



# MagiCAD Create 2017.4 – Release notes

# **New features**

### 'Export products to spreadsheet' feature extended

In this release, the technical data can be exported from all Ventilation products, also from Fans / Air handling units, Fan coils, and Climate beams.

🖻 Mag	iCreate 2017.4					
	Database	Ventilation (356) >	Air Terminal Devices (89) >	8	Fan coil units (80)	
	Generic_16p	Piping (959) >	Fans / Air handling units (51)			
	Generic_rop	Electrical (539) >	Flow dampers (7) >		Climate beams (98)	=
		Tele, Data, and Building Automation (16	Climate control devices (178)		Export products	
	CHANGE		Components (31) >		Replace 3D geometry	
	CREATE NEW 🗸	DELETE			Merge database	
		BEAM1-C	OOL-DTOP-REC	$\odot$	MagiCAD for AutoCAD 2012.11 ->	SAVE

### Modelling of Pipe series and fittings

The modelling of Pipe series and fittings is also possible in this release.

🖻 Mag	iCreate 2017.4									×
≡	Database	Ventilation (30) >	Components (6) >	8	Pipe (1)	4	Pipe T-branch (0)		Drainage reducer (0)	
	2017_04TEST	Piping (17) > Electrical (2) >	Fire suppression (0) > Gas devices / components (0		Pipe bend (2)	4	Pipe X-branch (0)	S	Drainage T-branch (0)	
		Tele, Data, and Building Aut	Radiators (1) > Pumps (1) > Climate control devices (4) >	9	Pipe flange (0)		Drainage pipe (0)	÷	Drainage X-branch (0)	
			Plumbing terminals / compor Other devices (1) >		Pipe joint (0) Pipe plug (0)		Drainage bend (1) Drainage joint (0)			
			Substations (0) > Shunts (0) >		Pipe reducer (0)		Drainage plug (0)			
	CHANGE		Pipe series and fittings (4) $>$							
	CREATE NEW 🗸	DELETE	Variant (new product)			D for Revit 2			SAVE	
	Filter					Techni	ical data			
	Enter product code	x	Product code format							
	(new p	product)	🕂 🗶 두 🐟 🗛 Add pro	oduct cod	e	Pipe	e sizes			
		~		,	-	Siz		Din	Dout	
	(new product)		(new product) - Dia	meter		2	3		55	_
						3	3		3	$\neg$
							Add	Delete	Clear	
								_		
							rial code			_
						-	hness for piping	0.0	05	
						Roug	hness for fresh wate			_
						Hazer	n-Williams factor	0		



# Modelling of Combination boxes

The modelling of Combination boxes has been added in this release.

🖻 Ma	giCreate 2017.4								- • •
≡	Database 2017-01-30 cc CHANGE	Ventilation (0) > Piping (0) > Electrical (18) >	ing Automation (2) >	Electrical (18) >	() -•	Luminaires (0) Boxes (0)	Sockets (1)	Radiators (0)	Other devices (0)
	CREATE NEW 🗸	DELETE	Variant	e 1+1, horizoni	tal	MagiCAD	for Revit 2013.11 -> for AutoCAD 2014.11 ->		UNDO SAVE
	Enter product code	x frame 1+1, hc	Basic data <sup>Code</sup>			3D			ي <sup>7</sup>
	Cover frame 1+1, I	horizontal	Cover frame 1+1,		ced 🕂			-	E.
	Cover f	frame 1+1, ve					T		
	Cover f	frame 1+2, hc					1		
	Cover f	frame 1+2. ve							

# Product count is visible in all product categories

The number of products in the product category can be seen in parenthesis at the end of each category name.

🖻 Mag	giCreate 2017.4					
$\equiv$	Database	Ventilation (356) >	Air Terminal Devices (89) >	8	Fan coil units (80)	
	Generic_16p	Piping (959) >	Fans / Air handling units (51)			
	Generic_rop	Electrical (539) >	Flow dampers (7) >		Climate beams (98)	-
		Tele, Data, and Building Automation (167)	Climate control devices (178)			
	CHANGE		Components (31) >			



# MagiCAD Create 2017.1 – Release notes

### **New features**

### 'Export products to spreadsheet' feature extended

When exporting the selected product class or selected products, also technical data can be exported to a spreadsheet. In this release, the technical data can be exported from Ventilation products (except Fan coils and Climate beams).



Export to spreadsheet
Product data
🔽 Basic
💌 🗷 Descriptions
✓ ▼ Web sites
🔽 Variant/Technical data
<b>✓</b> Basic
Pressure     Sound
✓ Power
Export Cancel



### Merge database

The whole external database can now be merged with the current database. All products with 3D geometry can be merged.



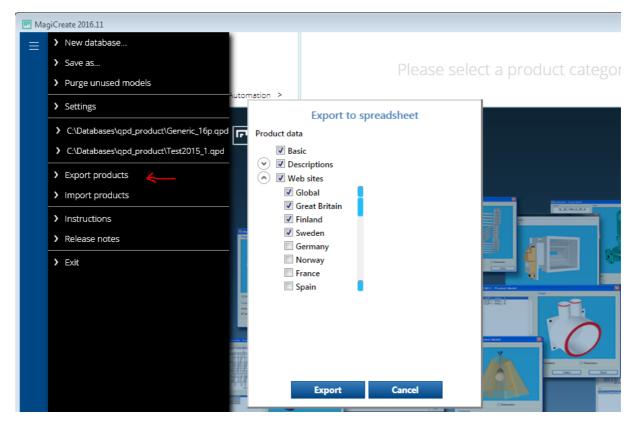


# MagiCAD Create 2016.11 – Release notes

### **New features**

### Export products to spreadsheet

The whole database, selected product class or selected products can be exported to a spreadsheet. The export data can consist of **Basic** data (product code, country restrictions), **Descriptions** (short product descriptions of the selected languages) and **Web sites** (of the selected countries):



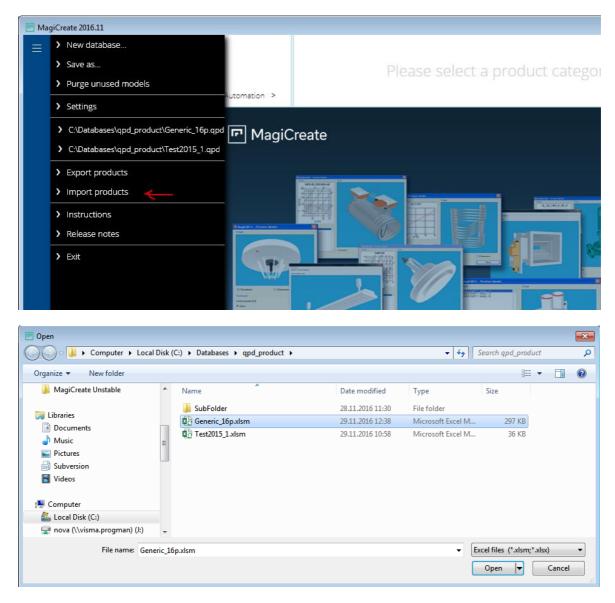
The data can be modified and supplied in the spreadsheet:

	А	R	C	D	F	F	G	н
-	MagiCreate	5	C.	0	L			
1	MagiCAD product type	Product code	3D geometry	Restricted to countries		Short product description. Max. 60 charact	ters.	
2						English (mandatory)	German	French
3	Exhaust air terminal devices	CIRC-EXH-GRILLE	MAGIV_CIRC-OUTD-	China, Denmark, Finland, Germany, Great	Change	Weather protection grille, circular	German description	French description
4	Exhaust air terminal devices	CIRC-ROOF-HOOD	MAGIV_CIRC_ROOF_		Change	Exhaust air cowl, circular		
5	Exhaust air terminal devices	EXT-WALL-GRILLE	MAGIV_EXT-WALL-	Estonia, Finland, France	Change	External wall grille for exhaust		
6	Exhaust air terminal devices	RECT-EXH-GRILLE	MAGIV_RECT_EXH_G		Change	Weather protection grille,		
7	Exhaust air terminal devices	RECT-EXH-GRILLE-CIRC	MAGIV_RECT_GRIL_C		Change	Weather protection grille for circular		
	man and a state of the state of the	DEGT DOOF HOOD	MACHA DECT DOOF			en an		



### Import products from spreadsheet

After having input the data to the spreadsheet, it can be imported back to the database:





· · · _ · · ·		· · · · · · · · · · · · · · · · · · ·
Import report		
Database: Generic_16p		
Product code and type	Attribute name	Values
CIRC-EXH-GRILLE Exhaust air terminal devices	French description	Current: New: French description
	Restricted to countries	Current: New: China,Denmark,Finland,Germany,Great Britain
EXT-WALL-GRILLE Exhaust air terminal devices	Restricted to countries	Current: New: Estonia,Finland,France
		Accept Discard



# **Replace 3D geometry**

r

It is now possible to replace the products' 3D geometry. The **Replace 3D geometry** function can be found in the context menu of the selected product class:

Database       Ventilation >       Air Terminal Devices >         Generic_16p       Piping >       Fans / Air handling units >         Electrical >       Flow dampers >       Indoor climate devices >         Tele, Data, and Building Automation >       Indoor climate devices >       Extract air terminal devices         CHANGE       Replace 3D geometry	ht			
Generic_16p       Electrical >         Tele, Data, and Building Automation >       Flow dampers >         Indoor climate devices >       Extract air terminal devices         CHANGE       Export products         Replace 3D geometry				
CHANGE CHANGE CHARGE Components > Replace 3D geometry				
Replace 3D geometry				
From:				
MAGIV-C-DIFF-RECT-PLATE_001				
MAGIV_C-DIFFUSER-PB_001				
MAGIV_CIR-DIF-BIG-ARFL_Q13_001				
MAGIV_CIR-DIF-BOX-S-C_Q13_002				
MAGIV_CIRC-OUTD-GRIL_Q13_001				
MAGIV_CIRCCEILCOLVALVE_Q13_001				
MAGIV_CIRCROOFHOOD_Q13_001				
MAGIV_CIRC_ROOF_HOOD_Q13_001				
MAGIV_CIRDIFBOX-TOPC_Q13_001				
То:				
ADD FROM BROWSER ADD FROM FILE				
MAGIV-C-DIFF-RECT-PLATE_001				
MAGIV C-DIFFUSER-PB 001				
MAGIV_CIR-DIF-BIG-ARFL_Q13_001				
MAGIV_CIR-DIF-BOX-S-C_Q13_002				
MAGIV_CIRC-OUTD-GRIL_Q13_001				
MAGIV_CIRCCEILCOLVALVE_Q13_001				
MAGIV_CIRCROOFHOOD_Q13_001				
MAGIV_CIRC_ROOF_HOOD_Q13_001				
MAGIV_CIRDIFBOX-TOPC_Q13_001				
OK Cancel				



The 3D geometry to be replaced (**From:**) and the replaced 3D geometry (**To:**) are shown at the top. All products using the original 3D geometry are selected by default.

	Replace 3D geometry			
From:	MAGIV_C-DIFFUSER-PB_001			
To:	MAGIV_CIR-DIF-BOX-S-C_Q13_002			
Remove unused 3D geo	ometry			
Select/Deselect All				
	erminal devices			
Select/Deselect All				
RECT-DIFF-BOX-SIDE				
Supply air terminal devices				
CEIL-DIFF-PB-S				
CEIL-DIFF-PB-S				
RECT-DIFF-BOX-SIDE				
4 products selected				
ОК	Cancel Copy to clipboard			

If all products are selected, the unused 3D geometry can be removed by checking the **Remove unused 3D geometry** checkbox.