

Reguleerimiseseadmete valik BIM toega



"Praktikult praktikule", 2. märtsil algusega kell 8:45 Teaduspargi 6/1, Tallinn SATURNI seminariruum.

12:15- 12:45 Reguleerimiseseadmete valik BIM toega

Aivar Kukk, Siemens

12.45 - 13:15 Jaano Juhmen Siemens

Milline on platform mis realiseerib energiasäästu ja -monitooringu.

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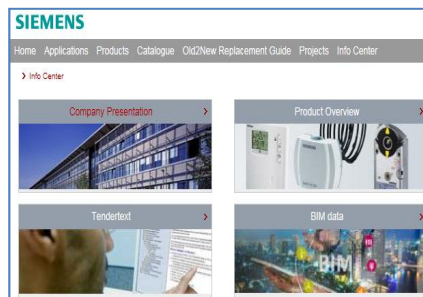
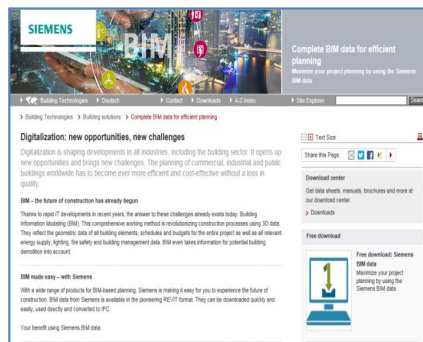


Improve workplace quality and productivity

Siemens: Toodete BIM materialide andmebaas ja selle pidev uuendamine. Alates 2014.aastast

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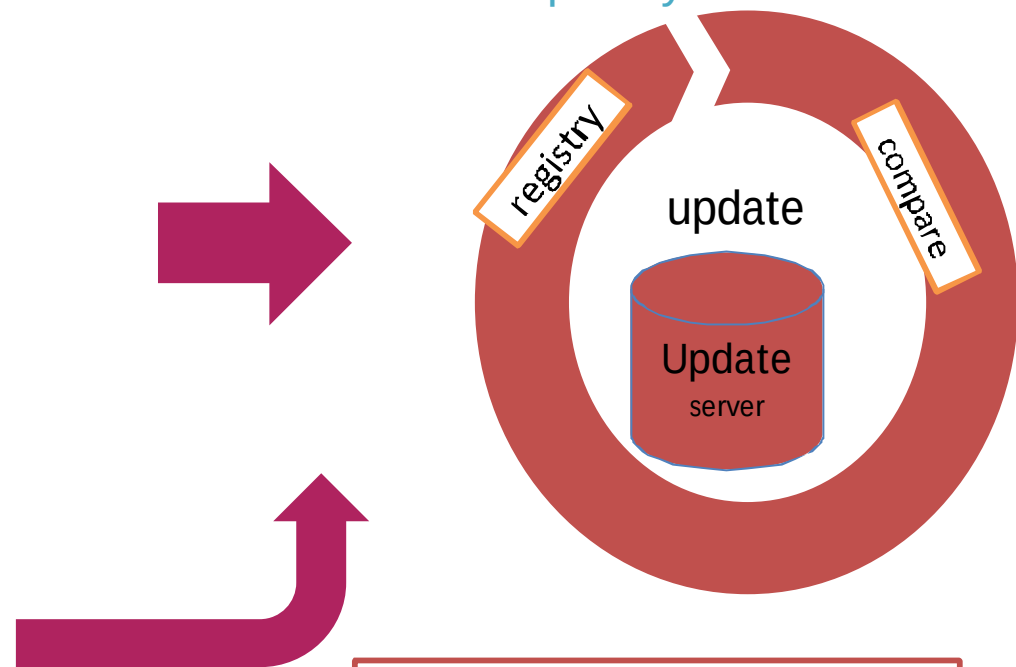
Digital self-service for convenient access



Product selection tool
BIM data website

[HIT online International
www.siemens.com/bim-data](http://www.siemens.com/bim-data)

Automated update process ensures quality



28. veebruaril 2017 toimus
Öpiku Majas
Tehnoloogiakonverentsi BIM
kui terviklik lahendus

AutoCad & BIM tugi

REVIT kataloogid:

<http://www.buildingtechnologies.siemens.com/bt/global/en/building-solutions/Pages/BIM-data.aspx>

MagiCAD tugi, tooteinfo pilves, alla laadimiseks. www.magiccloud.com

MagiCAD Heating & Piping (AutoCAD- ja Revit)

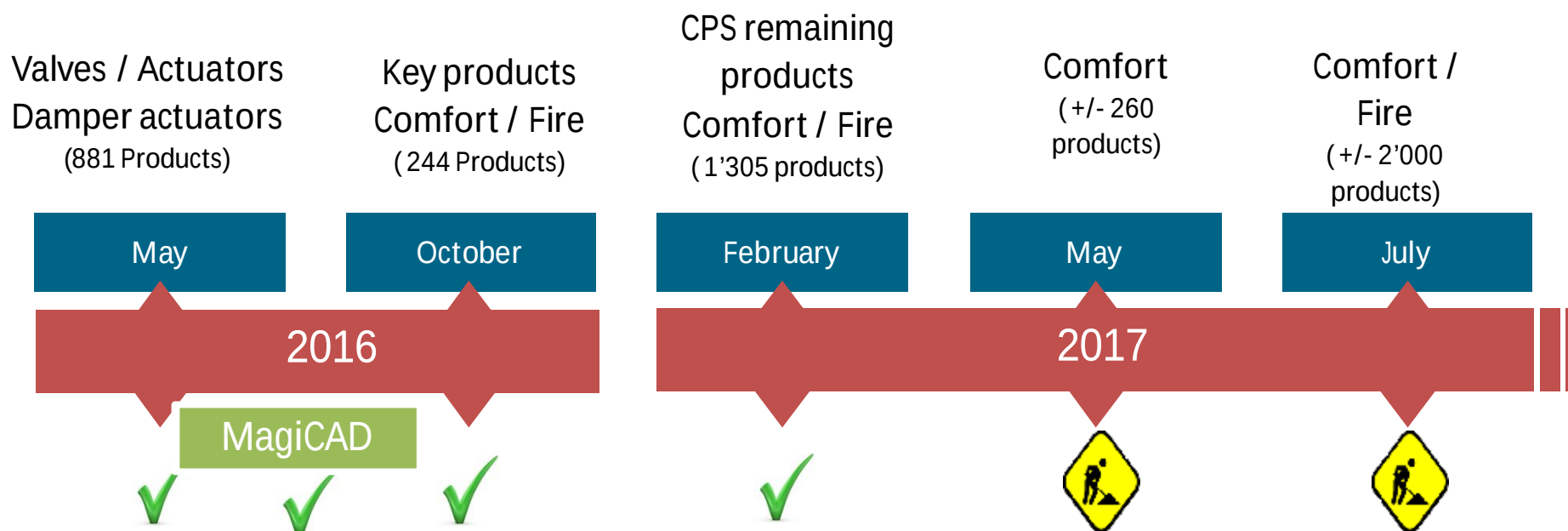
www.magicad.com Siemens on üsna kataloogide ja tähestiku lõpus.

Cad tugi: <https://www.siemens.com/download?A6V10547595>

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European product portfolio



Products for building technology – a portfolio with a unique breadth, depth and quality

SIEMENS

Building automation
system

Standard systems
/controllers

Building control

Room thermostats



Valves and
actuators

Damper
actuators

Sensors

Variable speed drives

Meters



Complete BIM data for efficient planning

Maximize your project planning by using the Siemens BIM data

> Building Technologies > Building solutions > Complete BIM data for efficient planning

Digitalization: new opportunities, new challenges

Digitalization is shaping developments in all industries, including the building sector. It opens up new opportunities and brings new challenges. The planning of commercial, industrial and public buildings worldwide has to become ever more efficient and cost-effective without a loss in quality.

BIM – the future of construction has already begun

Thanks to rapid IT developments in recent years, the answer to these challenges already exists today: Building Information Modeling (BIM). This comprehensive working method is revolutionizing construction processes using 3D data. They reflect the geometric data of all building elements, schedules and budgets for the entire project as well as all relevant energy supply, lighting, fire safety and building management data. BIM even takes information for potential building demolition into account.

BIM made easy – with Siemens

With a wide range of products for BIM-based planning, Siemens is making it easy for you to experience the future of construction. BIM data from Siemens is available in the pioneering REVIT format. They can be downloaded quickly and easily, used directly and converted to IFC.

Your benefit using Siemens BIM data:



BIM data from Siemens is expanded continuously. It always reflects the most up-to-date Information.



The regular updates of the plug-in gives you the assurance to always have the latest product data in your symbol library.



Siemens offers planners product data of holistic and multi-discipline solutions – from building comfort to fire safety and security.

Text Size

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Free download: Siemens BIM data

Maximize your project planning by using the Siemens BIM data



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Country *

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* Required

'BIM <http://www.autodesk.com/education/free-software/revit>
<http://www.buildingtechnologies.siemens.com/bt/global/en/building-solutions/Pages/BIM-data.aspx>

Siemens VDI3805 Selector 2014 >>the comprehensive portfolio for more energy efficiency<<

Valves & Actuators

Search criteria

Type
Control valve

Valve series
Stroke valves

Connection type
--arbitrary--

Valve design
--arbitrary--

Nominal size DN 40

PN class --arbitrary--

Nom. flow rate kvs* m³/h --arbitrary--

Perm. differ. pressure mbar --arbitrary--

Max. medium temperature °C
--arbitrary--

Material valve body
--arbitrary--

*for combi valves, please select "arbitrary"

Quick search

Product representation Technical data Commercial data Maintenance

Layout
☒ Detail
☐ Rough
☐ 2D symbol

Display
☒ Connections
☐ Jam range
☐ Dimensions

Model
☒ Wire frame
☐ Solid

Actuator
SAX61.03, 800 N, 20 mm, AC/DC 24V, DC 0...1

Accessory
 selected: 1

DN 40 PN 6 Max. medium temp. 130 °C kvs 16.00 m³/h
 Valve design 2-port Connect. type Flanged Material Cast iron EN-GJL-250

29	Product	Type	Valve seri...	DN	PN	Max. medium...	kvs	permi...
1	VVF22.40-16	Control val...	Stroke va...	40	6 bar	130 °C	16.00 m³/h	
2	VVF22.40-25	Control val...	Stroke va...	40	6 bar	130 °C	25.00 m³/h	
3	VVF32.40-16	Control val...	Stroke va...	40	10 bar	150 °C	16.00 m³/h	
4	VVF32.40-25	Control val...	Stroke va...	40	10 bar	150 °C	25.00 m³/h	

RK AS

On väga tänuväärne ja tervitatav, et Siemens kui elektroonika suurtootja on hakanud võimaldama oma toodangut BIM elementidena kui päris toodete digitaalsete vastetena koos usaldusväärse data-ga.

Elementide sobivuse kohta on lühike vastus selline, et kui elemendid on laetud kontrollitud ja tunnustatud BIM elementide teeki nagu bimobject või magicloud siis sobivad need kindlasti ka **RKAS**ile. Ülejäänud maailmaga vastuvoolu ujumine ning teistmoodi tegemine või nõudmine poleks ilmselgelt perspektiivne. Tänapäevane seis on selline, et mudelielementide spetsiifiliste nõuete defineerimisel oleme alles lapsekingades. Need on meil küll olemas, aga võrreldes näiteks UK-s või USAs nõutud atribuudiinfodega, on RKAS nõudmised veel kordi kergemad ja lihtsamad.

Kui rääkida veel konkreetset tootja spetsiifilistest BIM objektidest, siis see puudutab ehitise elukaare etappi alates tööprojektist kuni lammutuseni. RKAS tavapraktika järgi tööprojekte pole tellinud ning ehitustegevuse ja hoone haldus-hooldus faasis BIM meetodika ja tehnoloogia juurutamine ja piloteerimine alles käib.

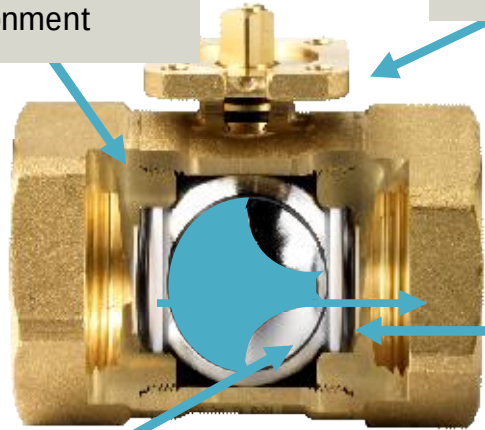
Kõik mis puudutab üldiselt RKASi ja BIMi, ka. nõuded on leitavad ka RKAS kodulehelt: www.rkas.ee/bim

Design and benefits of control ball valves

Housing made of dezincification-resistant brass for a clean environment

Standardized ISO flange for easy actuator coupling

Rugged and durable design with two EPDM O rings for reliable operation and a long service life



Precision-manufactured polished, chromium-plated ball to minimize friction losses

- Completely water-tight in accordance with the EN60534-4 L1 standard
- Low torque requirement for smaller and more competitively priced actuators
- Long service life

Integrated valve characteristic for high dirt resistance – no moving add-on parts required

Inner and outer threads for greater flexibility



[HIT online International](http://HITonlineInternational.com)

MagiCad andmed

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Product Browser

Browse Search Settings

- Armatic
- Armaturjonsson
- Broen
- Cimberio
- DAHL
- Danfoss
- FlowCon
- Frese Armatur
- General_for_MagiCAD_2014.4
- Generic
- Generic China
- Giacomini
- Heizen Armaturen
- HERZ
- Honeywell
- IMI Hydronic Engineering
- Kemper
- Lindab
- MMA
- Naval
- Oras
- Oventrop
- Siemens
 - Control valves, adjustable kvs
 - 2-port threaded valves
 - 3-port threaded valves
 - Control valves, pressure independent
 - 2-port flanged valves**
 - 2-port internally threaded
 - 2-port threaded
- Zetkama
- Thermotech
- Uponor
- Ventim

VPF43

Pressure independent control valve,
1-120 °C, PN16, DN50-150

VPF43.50F16
VPF43.65F24
VPF43.80F35
VPF43.100F70
VPF43.125F110
VPF43.150F160

VPF43.50F16

Properties Diagram

Δp_t [kPa]

qv [l/s]

Select Cancel

2.märts 2017

BIM, AUTOCAD ja MagiCad TUGI SIEMENSI TOODETELE

9

Product Selection

Modify Dataset Properties Change Selection Properties Filter

Properties

Section Building Section

Section: Main Electrical Distribution

Graphics

View Scale 1: 100

Scale Value 1: 100

Display Model Normal

Detail Level Fine

Parts Visibility Show Original

Visibility/Graphics Over... Edit...

Graphic Display Options Edit...

Hide at scales coarser than 1: 100

Discipline Electrical

Show Hidden Lines By Discipline

Color Scheme Location Background

Color Scheme <none>

Default Analysis Display None

Sub-Discipline Power

Properties help

Project Browser - rme_basic_sample_project.rvt

Views (Simple)

HVAC

3D View: Typical Room WSHP

Floor Plan: Typical Room WSHP

Section: Typical Room WSHP

Plumbing

3D View: Toilet Room

Floor Plan: Toilet Room

Power

3D View: Main Electrical Distribution

Floor Plan: Main Electrical Equipment

Section: Main Electrical Distribution

Legends

Schedules/Quantities

Panel Schedules

Reports

Sheets (all)

Families

Groups

Revit Links

Product Selection

Ventilation Piping Electrical

Heating radiator Substation Climate beam Other pipe device Fan coil unit Water device Sewer device Hot water radiator Chamber & roof drain Sprinkler device Fire hydrant Device Component Manifold Radiator Zone valve Stop valve Other valve Other Component component Sewer Pump

Heating / Cooling

Dataset Properties

Dataset Filter text

User code Products

General Properties

User code

2D Symbol

Product Browser

DAHL

Danfoss

Flamco Flexcon

FlowCon

Frese Armatur

General_for_MagiCAD_2014.4

Generic

Generic China

Georg Fischer

Giacomini

Honeywell

IMI Hydronic Engineering

Itap

Kemper

MMA

Oventrop

ProjectFire

QMT-Tech

Sauter

Siemens

Control Ball valves

2-port control ball valves, internally threaded

3-port control ball valves, internally threaded

Control valves

2-port flanged valves

2-port threaded valves

3-port flanged valves

3-port threaded valves

Control valves, Magnetic

2/3-port flanged valves

2/3-port threaded valves

2-port flanged valves

SYR

Zetkama

Uponor

Victaulic

MXG461

High performance valve, Magnetic, 1-130 °C, PN16, DN15-50

MXG461.15

3.0

1.5

0.6

MXG461.20-5.0

MXG461.25-8.0

MXG461.32-12

MXG461.40-20

MXG461.50-30

MXG461B

High performance valve, Magnetic, - 20-130 °C, PN16, DN15-50

MXG461.15-3.0

Properties Diagram

300000

200000

100000

50000

30000

20000

10000

5000

3000

2000

1000

0.05 0.1 0.2 0.3 0.5 1

qv [l/s]

Select Cancel

Siemens VDI selector

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Siemens VDI3805 Selector 2014 >>the comprehensive portfolio for more energy efficiency<<

Valves & Actuators

Search criteria

Type
Control valve

Valve series
Ball valves

Connection type
Internal thread

Valve design
-arbitrary-

Nominal size DN 25

PN class 40

Nom. flow rate kvs* m³/h -arbitrary-

Perm. differ. pressure mbar -arbitrary-

Max. medium temperature °C
-arbitrary-

Material valve body
-arbitrary-

* for combi valves, please select "arbitrary"

Product representation Technical data Commercial data Maintenance

Layout
☒ Detail
☐ Rough
☐ 2D symbol

Display
☒ Connections
☐ Jam range
☐ Dimensions

Model
☐ Wire frame
☒ Solid

Actuator
GMA161.9E, AC/DC 24V, DC 0...10V, 7 Nm, 9C

Accessory
 Edit selected: 1

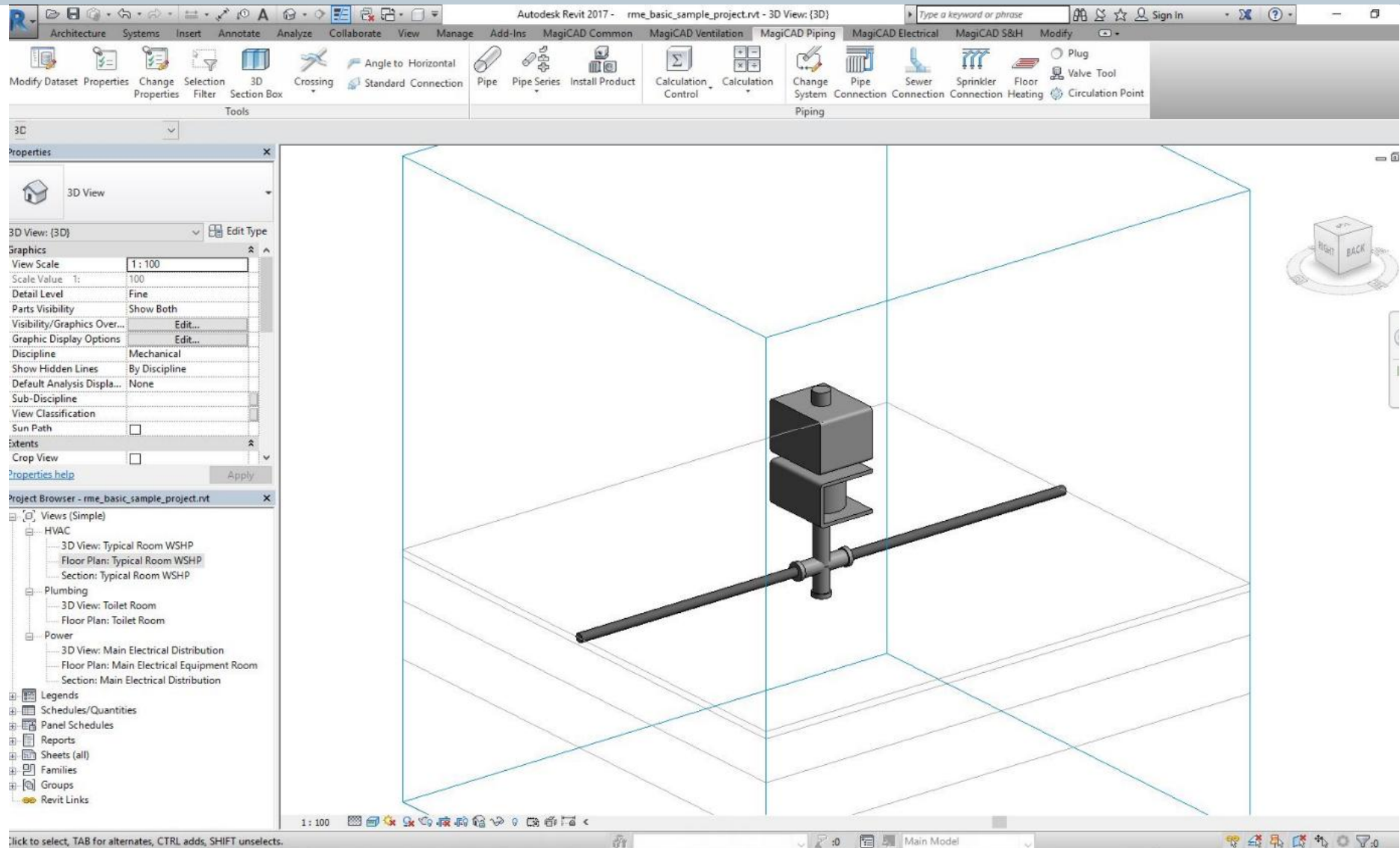
DN 25 PN 40 Max. medium temp. 120 °C kvs 6.30 m³/h

Valve design 2-port Connect. type Internal thread Material Brass UNS C35330 (DZR)

	Product	Type	Valve seri...	DN	PN	Max. medium...	kvs	permissible diff...	Valve design	Connection type	Material
1	VAI61.25-6.3	Control val...	Ball valves	25	40 bar	120 °C	6.30 m³/h	350 kPa	2-port	Internal thread	Brass UNS C353...
2	VAI61.25-10	Control val...	Ball valves	25	40 bar	120 °C	10.00 m³/h	350 kPa	2-port	Internal thread	Brass UNS C353...
3	VAI61.25-16	Control val...	Ball valves	25	40 bar	120 °C	16.00 m³/h	350 kPa	2-port	Internal thread	Brass UNS C353...
4	VBI61.25-10	Control val...	Ball valves	25	40 bar	120 °C	10.00 m³/h	350 kPa	3-port	Internal thread	Brass UNS C353...

Autodesk REVIT

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2.märts 2017

BIM, AUTOCAD ja MagiCad TUGI SIEMENSI TOODETELE

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<https://hit.sbt.siemens.com/>

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Home Applications Products Catalogue Old/New Replacement Guide Projects Info Center

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Products > Valves and Actuators > Direct selection

Select features



Standard valves



PICVs



6 port valves

Select by

Nominal size DN mm

Nominal flow rate Kvs m³/h

Calculation (recommended)

Reset calculation

Valve parameters

PN class

Ports

Connection

Valve Type

Actuator parameters

Positioning Signal

Operating voltage

Spring Return

Positioning time

Communication

Valves matching your criteria: 4

Valves

Valve ID	Position	Kvs	Δp_{V100}	PN	DN	Medium temperature	Material, valve body	Accessories	Image	Add	Doc
VVG41.25 Go to actuators		6.30 m ³ /h		n. def.	n. def.	20 - 25 - 150 °C	Bronze CuSn5Zn5Pb2 (GG499K)	Define			
VVG11.2001 Go to actuators		6.30 m ³ /h		n. def.							
VVG14.20-6.3 Go to actuators		6.30 m ³ /h		n. def.							

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Product Documents for VVG41.25

Product related documents

- Datasheet ☐
- Mounting instruction ☐
- Dimension Drawings ☐

+ Add Extract Test Copy

C:\Users\ee141713\VA

Name

- ☐ VVG41 DN25.stp
- ☒ VVG41 DN25.dwg



Täna tähelepanu eest!

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