

Release Notes

Belimo Energy Valve™ Software Version 3.1

1. Languages

New languages available:

- Spanish
- Croatian
- Italian
- Japanese
- Korean
- Macedonian
- Finnish
- Dutch
- Polish
- Slovak
- Slovenian
- Serbian
- Bulgarian
- Hungarian

The language used is automatically selected according to the PC settings. Alternatively, the display language can be selected using the drop-down menu.



2. Optimisation Delta-T Manager

Also included in this update is an adaptation of the logic of the dT-Manager.

3. Add-on Delta-T Manager

The Delta-T Manager's default setting is as follows:

During operation, the limitation only monitors the differential temperature at a flow rate $\geq 30\%$ of V_{max} . In the range below 30% V_{max} , the valve does not correct excess differential temperatures. This standard setting covers most applications.

A new function allows you to manually set the area in which the Delta-T Manager is active. To do this, the user must remove the check mark. In this case, you can manually enter the range of the Delta-T Manager from 9% to 100% of V_{max} .

Delta T Manager

dT Limiting function	<input checked="" type="checkbox"/>		dT Manager	
dT Limiting value			10.0 K	
			Range	1.0 - 55.6
<hr/>				
dT Limiting function	<input type="checkbox"/>		dT Manager	
dT Limiting value			10.0 K	
			Range	1.0 - 55.6
dT Vmin			0.000 m3/s	
			Range	0.000 - 0.000

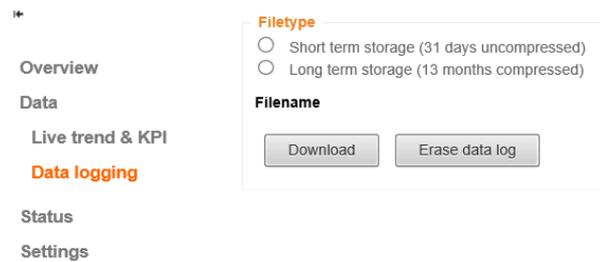
4. Commissioning report

In the commissioning report, which can be created in the web server, the following optimizations were carried out:

- The report can now be created with one click.
- The number of decimal places has been reduced
- Units are displayed according to settings in the web server

5. Data logging

The data recording will be adjusted. From version 3.1 onwards, the data collection for the short-term memory is done only every 60s.



The long-term memory remains unchanged.

6. BACnet



All Belimo Energy Valve™ with production date 03/30/2017 – 01/25/2018 are not backwards compatible with Energy Valve version 2 on the BACnet interface. This update modifies the following objects and adapts them to version 2. In the case of existing BACnet integrations with version 3 and the production data mentioned above, it can lead to problems or rework in case of an update.

Affected BACnet objects:

before (EV3 03/30/2017 – 01/25/2018)	after
AI101 (Vnom_lmin)	AV101 (Vnom_lmin)
AI102 (Vnom_gpm)	AV102 (Vnom_gpm)
AI106 (Pnom_kW)	AV106 (Pnom_kW)
AI107 (Pnom_kBTUh)	AV107 (Pnom_kBTUh)

AI = Analog Input

AV = Analog Value

7. Update procedure

The patch file can be used to update the Belimo Energy Valve™ to the latest state of the art and thus ensure flawless operation.

If the Belimo Energy Valve™ is connected to the Belimo Cloud, this update either is carried out automatically or can be initiated manually, depending on the settings.

The previous version 2 of the Belimo Energy Valve™ cannot be updated.

The patch file for the new version 3.1 is available here:

Product page:

Electronic pressure-independent characterised control valves with energy monitoring, female screw thread / internal thread (Energy Valve) 2-way

EV015R+BAC
Energy valve CCV 2-way
Internal thread Rp 1/2", DN15
AC/DC 24 V, modulating, BACnet IP / MS/TP, MP, Modbus TCP / RTU
Volumetric flow 0.11...0.35 l/s, adjustable
Valve+actuator combination, flow sensor
Temperature sensors incl. fittings
Connection cable 1 m
Cable length of temperature sensor 3 m

Qty: 1
Get Quote
Add to Project List

The product may differ from the illustration

Documentation | Accessories | System Integration | CAD | BIM Plug-In | References | **Firmware Update**

Documentation for EV015R+BAC

Update 3.1
Release notes

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VDI 3805
Belimo SelectPro
Bus and System Integration
Room & System Solutions

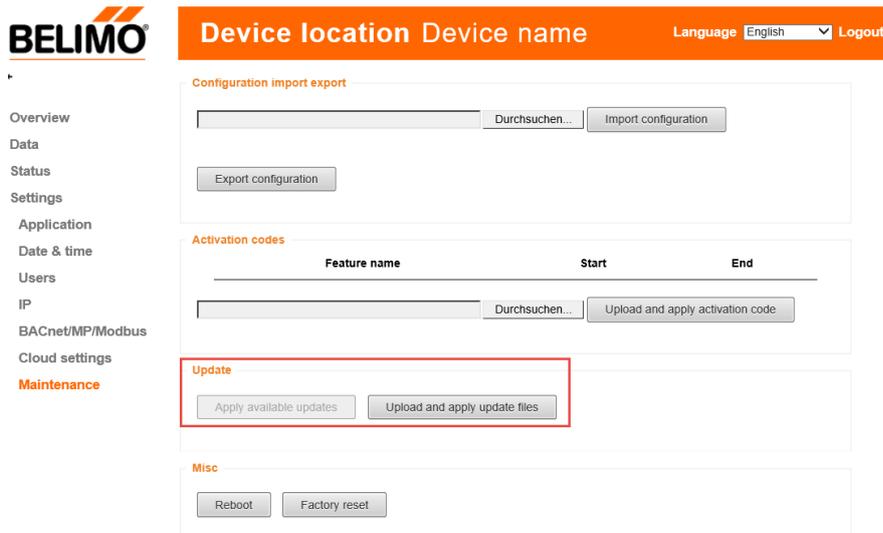
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MagiCAD (for Revit and AutoCAD)
CE Declarations of Conformity
Belimo SelectPro
Bus and System Integration
Room & System Solutions
Safety Notes
Water Solutions

The files must be saved locally on the computer.

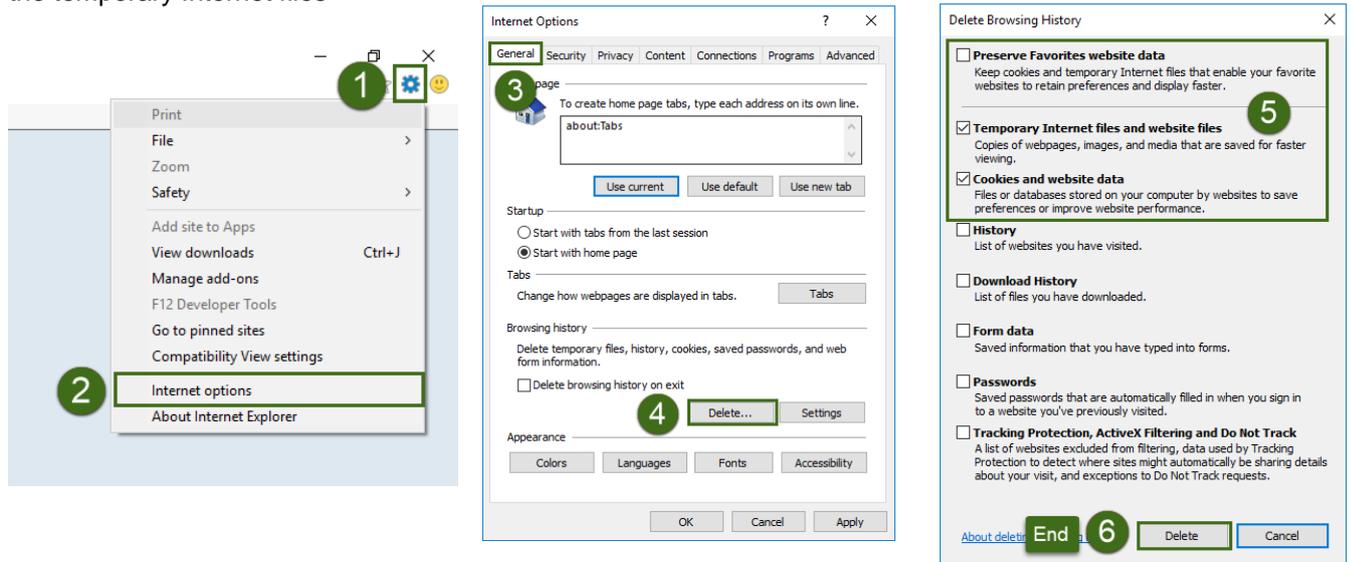
How to update the Energy Valve

Update function in the Web server:



A total of three files must be uploaded and applied. The files are labeled with numbers in **order 1-3**.

Important: Before and between downloading each file, the user must delete the browsing history and the temporary Internet files



Best regards

Belimo Automation AG