



Belimo SelectPro™ – Information for use

The most important functions of the Belimo SelectPro™ software are described in this document. If you have any further questions, please consult our Customer Service or contact your responsible Belimo partner.

LINK to [Contact Information](#)

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When the software is started, you will be offered the option of downloading all the PDF data sheets for offline operation of all the products included in the scope of the software. In the event that you do not download the data sheets, the program will attempt to download them from the Internet each time the respective data sheet is opened (assuming that there is an active Internet connection available).

The downloading of the data sheets can however also be carried out later at any time you choose.



1. Central functions of Belimo SelectPro™

You can use the menus **File**, **Tools** and **Help** to call up additional help features and to access the most important functions.

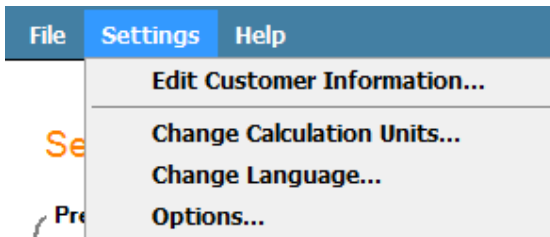
1.1 File

File	Settings	Help
New...	Strg+N	
Open...	Strg+O	
Save...	Strg+S	
Save As...		
Export To Excel...		
Download Pdfs...		
Print...	Strg+P	
Exit...		

New	Start a new project
Open	Open an existing project that has been saved
Save / Save as	Save a project as a .bel file
Export to Excel	Export data from Belimo SelectPro™ to an Excel file (see example below)
Download PDFs	Download the PDF data sheets, insofar as this has not already happened at the time the tool was first opened
Print	Call up the Print menu
Exit	Exit the tool



1.2 Settings



Edit customer information

The contact information for the customer and for Belimo

This is where the contact data for the customer is to be entered. This data will be used for the printouts which you compile with the aid of the program. If you do not know your customer number, please contact us. The customer number is not required to use this tool.

Change calculation units

The unit for flow and pressure can be selected

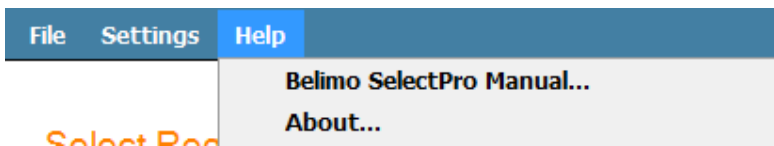
Change language

Selection of program language

Options

Possibility of setting to a proxy server

1.3 Help



Belimo SelectPro Instructions Info

Download of the Belimo SelectPro™ Instructions
Version information

2. Belimo SelectPro™ – Operation

2.1 Project reference, Project name, Compiled by



Project Reference

Project Name

Created By

Free text for attribution purposes can be entered in the fields **Project reference**, **Project name** and **Compiled by**.

2.2 Specification of valves

Select Required Valve

Clear All

Preselction

Pattern

Application

PICCV

EPIV

EV

CCV

CCV

CV

H

BFV

Pressure-independent characterized control valve

Electronic pressure-independent characterized control valve

Pressure-independent Belimo Energy Valve™

Characterized control valve

6-way characterized control valve

Shut-off and change-over ball valve

Globe valve

Butterfly valve

Application Parameter

Medium

Water

Flow

m3/h

Calc...

Differential Pressure

kPa

Kv

Clear Valve Selection

Valve Selection

Connection

Max Temp

ps (PN)

DN

Leakage Rate / Leakage Class

Valve Results

<<

>>

Type	Pattern	ps	Range PN	Max Temp	Kvs=0.25 m3/h DN = 10	Kvs=0.25 m3/h DN = 15	Kvs=0.3 m3/h DN = 10	Kvs=0.4 m3/h DN = 10	Kvs=0.4 m3/h DN = 15
BFV	2W	1600 kPa	PN10/16	120 °C					
BFV	2W	1600 kPa	PN6/10/16	120 °C					

The use of dropdowns and input fields need not follow a sequence. No all fields need to be filled out, although the valve suggestions can be further limited by more complete entries in the fields. The entries and selections can be modified or cancelled.

2.3 Steam application design

Select Required Valve

Clear All

Preselction

Pattern

Application

PICCV

EPIV

EV

CCV

CCV

CV

H

BFV

Pressure-independent characterized control valve

Electronic pressure-independent characterized control valve

Pressure-independent Belimo Energy Valve™

Characterized control valve

6-way characterized control valve

Shut-off and change-over ball valve

Globe valve

Butterfly valve

Application Parameter

Medium

Steam

Flow

Kg/h

Inlet Pressure

kPa

Outlet Pressure

kPa

Kv

Clear Valve Selection

Valve Selection

Connection

ps (PN)

DN

Leakage Rate / Leakage Class

Valve Results

<<

>>

Type	Pattern	ps	Range PN	Max Temp
------	---------	----	----------	----------

The user interface for steam applications differs only slightly from the above illustration. It is equipped with additional entry fields, such as Supply pressure (Absolute) and Output pressure (Absolute).

2.4 Design of pressure-independent characterized control valve

Select Required Valve

Preselction

Pattern

Application

PICCV
Pressure-independent characterized control valve

EPIV
Electronic pressure-independent characterized control valve

EV
Pressure-independent Belimo Energy Valve™

CCV
Characterized control valve

CCV
6-way characterized control valve

CV
Shut-off and change-over ball valve

H
Globe valve

BFV
Butterfly valve

Application Parameter

Medium
Flow l/s
Differential Pressure kPa

Valve Selection

Connection
Max Temp
ps (PN)
DN
Leakage Rate / Leakage Class

The user interface for pressure-independent applications differs only slightly, because only the maximum required flow rate is necessary for dimensioning pressure-independent valves.

The differential pressure for the selected valve is not displayed. In addition, the flow rate in l/s of the valve is specified instead of the Kvs value.

2.5 Valve Selection

Valve Selection

Connection
Max Temp
ps (PN)
DN
Leakage Rate / Leakage Class

Valve Results

Type	Pattern	ps	Flange PN	Max Temp	Kvs=16 m³/h DN = 20	Kvs=16 m³/h DN = 32	Kvs=16 m³/h DN = 40	Kvs=25 m³/h DN = 40	Kvs=25 m³/h DN = 50
CCV	2W	600 kPa	PN6	100 °C		R6032R16-B3		R6040R25-B3	
CCV	3W	600 kPa	PN6	100 °C			R7040R16-B3		R7050R25-B3
CCV	2W	1600 kPa		100 °C			R438	R439	R448
CCV	3W	1600 kPa		100 °C			R538		R548
CCV	2W	1600 kPa		120 °C			R2040-16-S3	R2040-25-S3	R2050-25-S4
CCV	3W	1600 kPa		120 °C			R3040-16-S3	R3040-25-S4	R3050-25-S4
CCV	2W	2700 kPa		130 °C	R419D				

All of the suggested valves are displayed and can be selected by clicking on them.

If several products are displayed, then the arrows to the left («) and to the right (») can be used to change back and forth.



2.6 Selection of actuators

Select Suitable Actuator for R3040-25-S4

Clear Actuator Selection

Actuator Selection

Control Type Built-In Aux Switch Safety Function Nominal Voltage

Running Time Close Off

Part Number	Nominal Voltage	Control Type	Torque/Force	Running Time / Actuating Time	IP Protection	Safety Position	Auxiliary Switch(es) Internal	Closing Pressure
SR230A	230 VAC	Open/Close, 3-point	20 Nm	90 s	IP 54	Non-Fail Safe		1400 kPa
SR230A-S	230 VAC	Open/Close, 3-point	20 Nm	90 s	IP 54	Non-Fail Safe	One	1400 kPa
SR230P	230 VAC	Open/Close, 3-point	20 Nm	90 s	IP 66/67	Non-Fail Safe		1400 kPa
SR24A	24 VAC/VDC	Open/Close, 3-point	20 Nm	90 s	IP 54	Non-Fail Safe		1400 kPa
SR24ALON	24 VAC/VDC	LON	20 Nm	90 s	IP 54	Non-Fail Safe		1400 kPa
SR24A-MP	24 VAC/VDC	MP Bus	20 Nm	90 s	IP 54	Non-Fail Safe		1400 kPa
SR24A-S	24 VAC/VDC	Open/Close, 3-point	20 Nm	90 s	IP 54	Non-Fail Safe	One	1400 kPa
SR24A-SR	24 VAC/VDC	DC 2-10 V	20 Nm	90 s	IP 54	Non-Fail Safe		1400 kPa
SR24P	24 VAC/VDC	Open/Close, 3-point	20 Nm	90 s	IP 66/67	Non-Fail Safe		1400 kPa
SR24P-SR	24 VAC/VDC	DC 2-10 V	20 Nm	90 s	IP 66/67	Non-Fail Safe		1400 kPa
SR24A-SR	24 VAC/VDC	DC 2-10 V	20 Nm	35 s	IP 54	Non-Fail Safe		1400 kPa

Only those actuators are displayed which are appropriate for the valve that has been selected. No all fields need to be filled out, although the actuator suggestions can be further limited by more complete entries in the fields. The entries and selections can be modified or cancelled.

2.7 Project list

Select Suitable Actuator for R3040-25-S4

Clear Actuator Selection

Actuator Selection



Control Type Built-In Aux Switch Safety Function Nominal Voltage

Running Time Close Off

Part Number	Nominal Voltage	Control Type	Torque/Force	Running Time / Actuating Time	IP Protection	Safety Position	Auxiliary Switch(es) Internal	Closing Pressure
SR230A	230 VAC	Open/Close, 3-point	20 Nm	90 s	IP 54	Non-Fail Safe		1400 kPa
SR230A-S	230 VAC	Open/Close, 3-point	20 Nm	90 s	IP 54	Non-Fail Safe	One	1400 kPa
SR230P	230 VAC	Open/Close, 3-point	20 Nm	90 s	IP 66/67	Non-Fail Safe		1400 kPa
SR24A	24 VAC/VDC	Open/Close, 3-point	20 Nm	90 s	IP 54	Non-Fail Safe		1400 kPa
SR24ALON	24 VAC/VDC	LON	20 Nm	90 s	IP 54	Non-Fail Safe		1400 kPa
SR24A-MP	24 VAC/VDC	MP Bus	20 Nm	90 s	IP 54	Non-Fail Safe		1400 kPa
SR24A-S	24 VAC/VDC	Open/Close, 3-point	20 Nm	90 s	IP 54	Non-Fail Safe	One	1400 kPa
SR24A-SR	24 VAC/VDC	DC 2-10 V	20 Nm	90 s	IP 54	Non-Fail Safe		1400 kPa
SR24P	24 VAC/VDC	Open/Close, 3-point	20 Nm	90 s	IP 66/67	Non-Fail Safe		1400 kPa
SR24P-SR	24 VAC/VDC	DC 2-10 V	20 Nm	90 s	IP 66/67	Non-Fail Safe		1400 kPa
SR24A-SR	24 VAC/VDC	DC 2-10 V	20 Nm	35 s	IP 54	Non-Fail Safe		1400 kPa

Add To Schedule Update Schedule



Product Schedule

Water													Steam		Pressure Independent		Show Valve Selection Criteria		Select Custom Attributes	
	Pos	Material No.	Qty	Tag	Datasheet	Valve Pattern	Flow	dvp	Req. Kv [m³/h]	DN Size	Valve Kvs	Actual dpv	Close Off Pressure [kPa]	Valve Material No.	Actuator Material No.					
 	1	R3040-25-S4+SR230A	1			3W	9.00 m³/h	15.0 kPa	23.24	40	25	13.0 kPa	1400 kPa	R3040-25-S4	SR230A					

The combination can be added to the project list by selecting the desired actuator with a double-click or with the "Add to project list" button.

2.8 Water, steam, pressure-independent


Product Schedule

Water Steam Pressure Independent													Show Custom Attributes		Select Custom Attributes	
		Pos	Material No.	Qty	Tag	Datasheet	Valve Pattern	Flow	dpv	Req. Kv [m3/h]	DN Size	Valve Kvs	Actual dpv	Close Off Pressure [kPa]	Valve Material No.	Actuator Material No.
 		1	R3040-25-S4+SR230A	1			3W	9.00 m3/h	15.0 kPa	23.24	40	25	13.0 kPa	1400 kPa	R3040-25-S4	SR230A

The project form contains three tabs – **Water**, **Steam** and **Pressure-independent**. The valves selected for these applications are displayed in the respective forms.

2.9 Show custom attributes

Product Schedule

Water													Steam		Pressure Independent		Show Custom Attributes				Select Custom Attributes	
	Pos	Material No.	Qty	Tag	Datasheet	Valve Pattern	Flow	dpv	Req. Kv [m ³ /h]	DN Size	Valve Kvs	Actual dpv	Close Off Pressure [kPa]	Valve Material No.	Actuator Material No.							
	1	R3040-25-S4+SR230A	1			3W	9.00 m ³ /h	15.0 kPa	23.24	40	25	13.0 kPa	1400 kPa	R3040-25-S4	SR230A							

The dialog box titled "Select Custom Attributes" has three tabs: "Water", "Steam", and "Pressure Independent". The "Water" tab is active. It contains a list of attributes with checkboxes: Pos, Material No., Qty, Tag, Datasheet, Valve Pattern, ΔT, Flow, dpv, Req. Kv [m³/h], DN Size, Valve Kvs, Valve Kvs 2, Actual dpv, Close Off Pressure [kPa], Valve Material No., Valve Type, Connection, Actuator Material No., Torque/Force, Accessory, and Note. Most are checked. To the right of the list are "Up" and "Down" arrow buttons. Below them is a checkbox for "Use Custom Attribute Name" and a text field for "Custom Attribute Name:". At the bottom are "Select All", "Unselect All", "OK", and "Cancel" buttons.

Users can use this option to select which of the available attributes will be displayed.

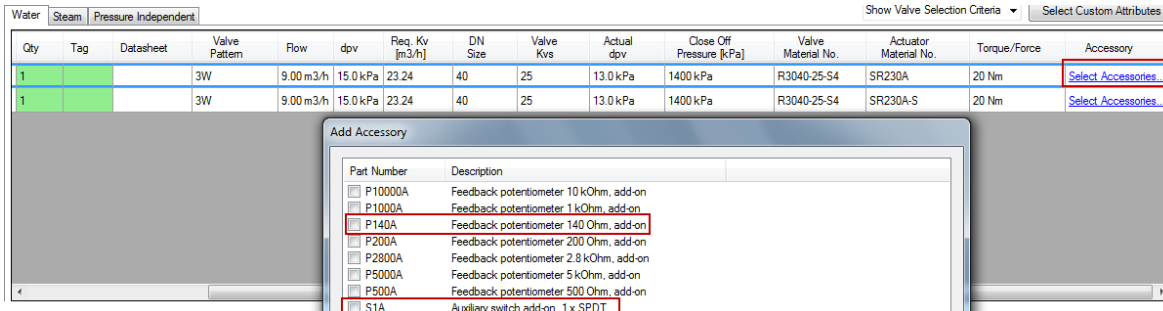
You can change the sequence of the attributes in the project form at any time by clicking in the attribute list on the "Up" or "Down" arrow keys.

The attributes will then be automatically resorted in the project form afterwards.

sorted

2.10 Selectable accessories

In addition, Belimo SelectPro™ includes accessories for the articles. When an accessory part is selected, it will be displayed as a separate item.

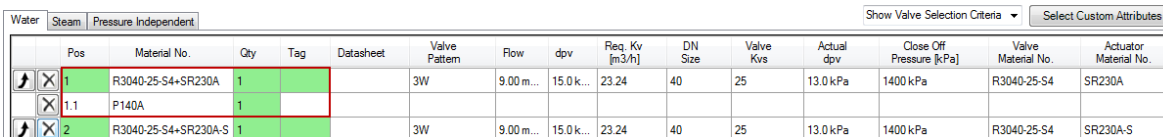


The screenshot shows the 'Water' tab selected. The main table lists two items with the same specifications: Qty 1, Tag, Datasheet, Valve Pattern 3W, Flow 9.00 m³/h, dpv 15.0 kPa, Req. Kv 23.24, DN Size 40, Valve Kvs 25, Actual dpv 13.0 kPa, Close Off Pressure 1400 kPa, Valve Material No. R3040-25-S4, Actuator Material No. SR230A, Torque/Force 20 Nm. The 'Accessory' column contains a link 'Select Accessories...'. An 'Add Accessory' dialog box is open, showing a list of accessories with checkboxes. The following table represents the data in this dialog:

Part Number	Description
<input type="checkbox"/> P10000A	Feedback potentiometer 10 kOhm, add-on
<input type="checkbox"/> P1000A	Feedback potentiometer 1 kOhm, add-on
<input checked="" type="checkbox"/> P140A	Feedback potentiometer 140 Ohm, add-on
<input type="checkbox"/> P200A	Feedback potentiometer 200 Ohm, add-on
<input type="checkbox"/> P2800A	Feedback potentiometer 2.8 kOhm, add-on
<input type="checkbox"/> P5000A	Feedback potentiometer 5 kOhm, add-on
<input type="checkbox"/> P500A	Feedback potentiometer 500 Ohm, add-on
<input checked="" type="checkbox"/> S1A	Auxiliary switch add-on, 1 x SPDT

Example: Valve / actuator in Position 1, accessories in Position 1.1.

Product Schedule



	Pos	Material No.	Qty	Tag	Datasheet	Valve Pattern	Flow	dpv	Req. Kv [m³/h]	DN Size	Valve Kvs	Actual dpv	Close Off Pressure [kPa]	Valve Material No.	Actuator Material No.
1	1	R3040-25-S4+SR230A	1			3W	9.00 m³/h	15.0 kPa	23.24	40	25	13.0 kPa	1400 kPa	R3040-25-S4	SR230A
1.1	1.1	P140A	1												
2	2	R3040-25-S4+SR230A-S	1			3W	9.00 m³/h	15.0 kPa	23.24	40	25	13.0 kPa	1400 kPa	R3040-25-S4	SR230A-S

Many thanks for using Belimo SelectPro™.

If you have any further questions, please consult our Customer Service or contact your responsible Belimo partner.

LINK to [Contact Information](#)