User Guide Belimo SelectPro™

Information

Belimo is an innovative technology company listed on the stock exchange with more than 1400 employees world-wide and numerous foreign subsidiaries and distribution companies. We have been developing, producing and distributing electric actuators for air dampers and fittings for heating, ventilation and air-conditioning technology since 1975. Belimo is world-wide market leader with a comprehensive product range in this specific market.

Table of Content

Document Information

Date	Version	Performed action
Jan 23, 2015	0.1	Draft
Apr 24, 2015	1.0	Modification for SelectPro™ 3.3
Aug 13, 2015	1.1	Modification for SelectPro™ 3.4
Mar 17, 2016	1.2	Modification to fit for SelectPro EU and SelectPro AP
Jun 24, 2016	1.3	Modification for SelectPro 3.5 (Chapter Manual Selection)

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.

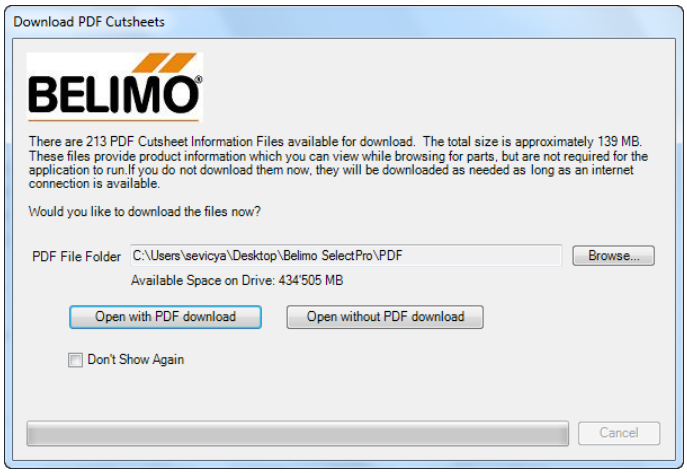
Link to Asia/ Pacific Contact Information

Link to Europe Contact Information

1 Start of Belimo SelectPro™

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).

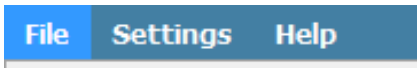
The download of the data sheets can however also be carried out later at any time.



2 Central Functions of Belimo SelectPro™

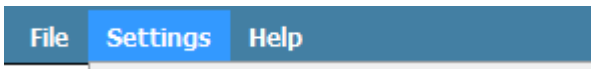
You can use the menus **File, Settings** and **Help** to call up additional help features and to access the most important functions.

2.1 File



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.
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 print menu
Exit	Exit SelectPro

2.2 Settings



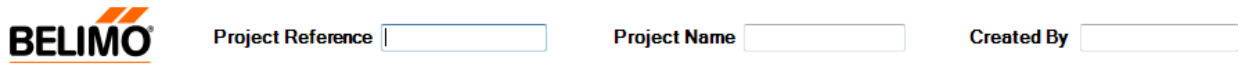
Edit customer information	The contact information for the customer and for Belimo. This is where the contact data for the customer is to be entered. This data will be used for the printouts which you compile with the aid of the program. If you do not know your customer number, please contact us. The customer number is not required to use this tool.
Change calculation units	Units for flow and pressure can be selected.
Change language	Selection of program language
Options	Possibility of setting to a proxy server

2.3 Help

Belimo SelectPro Instructions	Download of the Belimo SelectPro™ user guide.
Info	Version information
Steam Calculation	Enter your data here for steam calculation.
Contact us	Link to Belimo contacts via Webpage

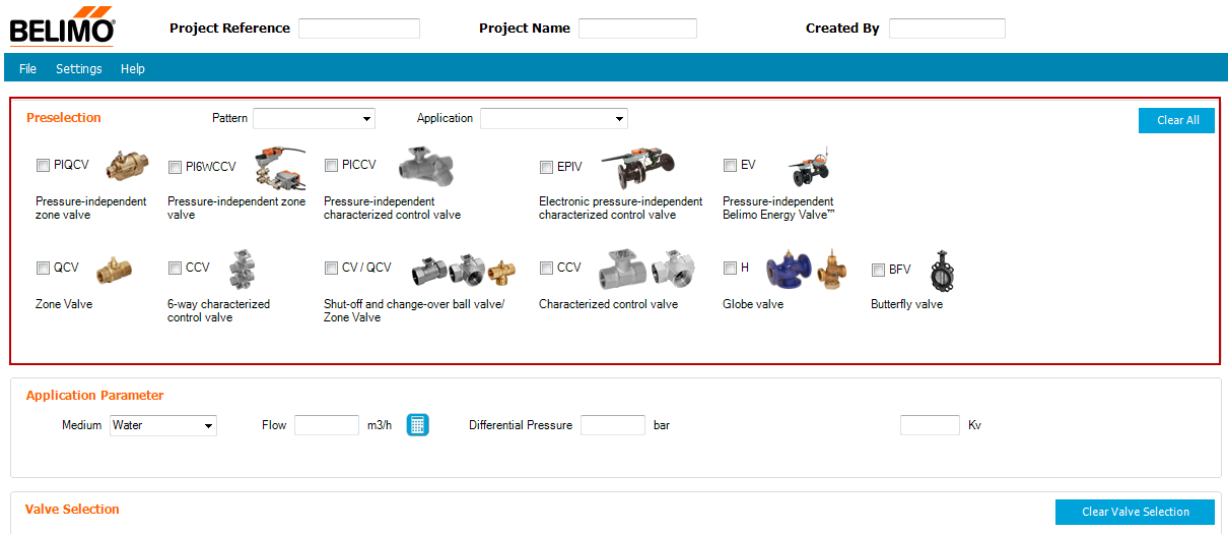
3 Belimo SelectPro™ – Operation

3.1 Project Reference, Project Name, Created by



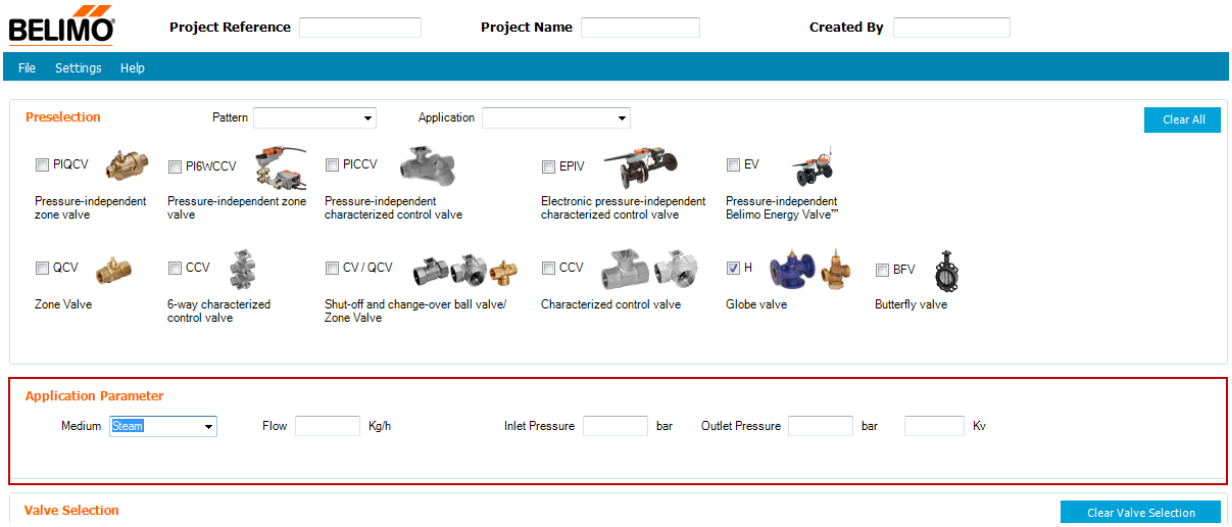
Free text for attribution purposes can be entered in the fields **Project Reference**, **Project Name** and **Created by**.

3.2 Specification of valves



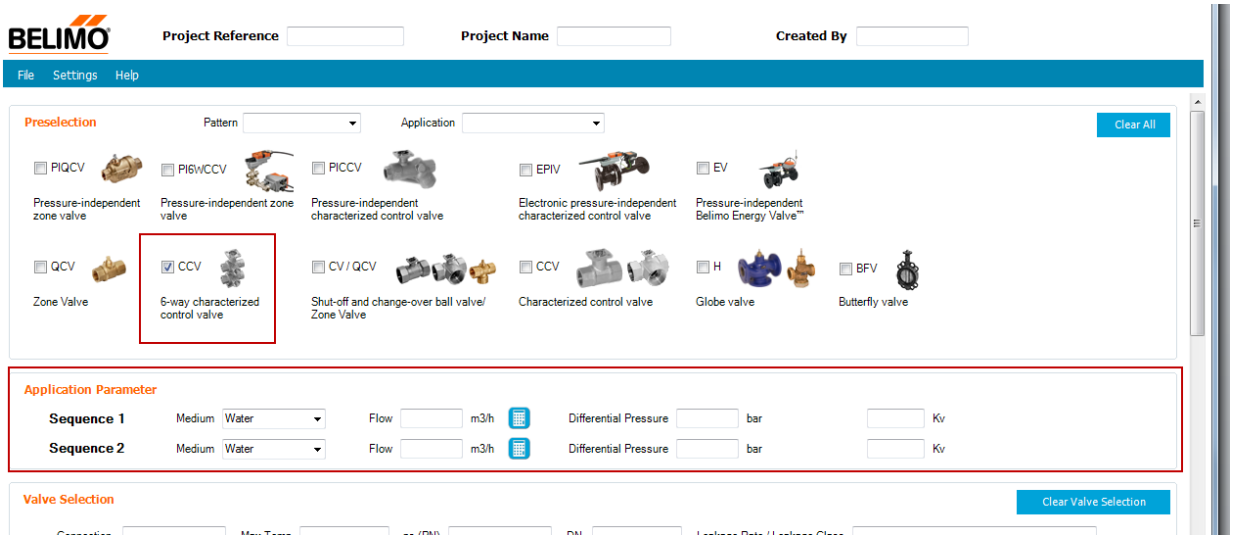
- The use of dropdowns and input fields need not follow a sequence.
- Not all fields need to be filled out, although the valve suggestions can be further limited by more complete entries in the fields.
- The entries and selections can be modified or cancelled.

3.3 Steam application design



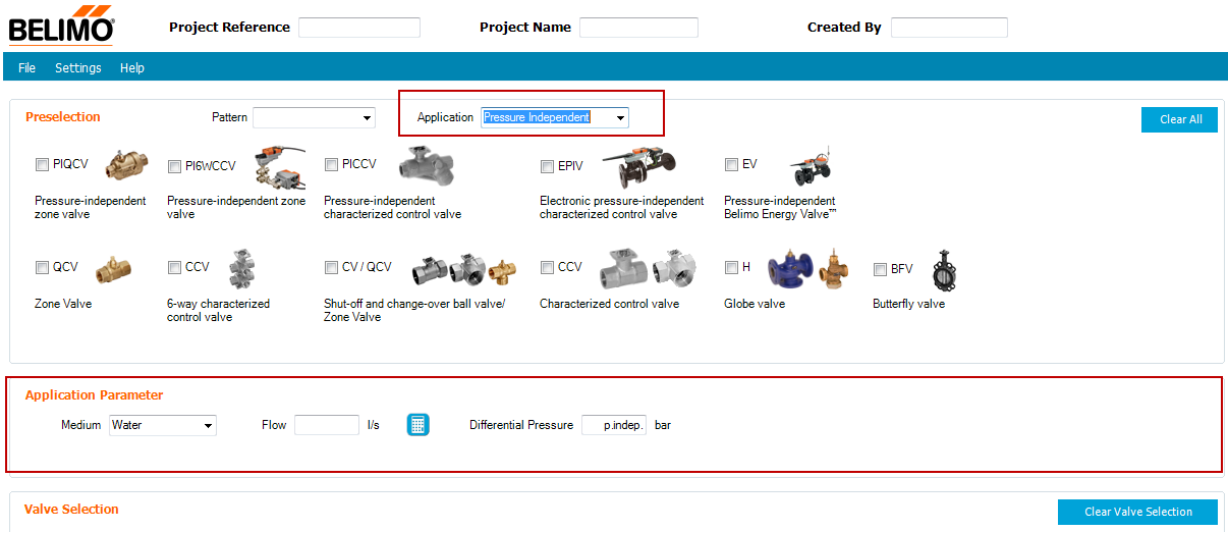
The user interface for steam applications differs only slightly from water application. It is equipped with additional entry fields, such as inlet pressure (absolute) and output pressure (absolute).

3.4 Design of 6-way characterized control valve



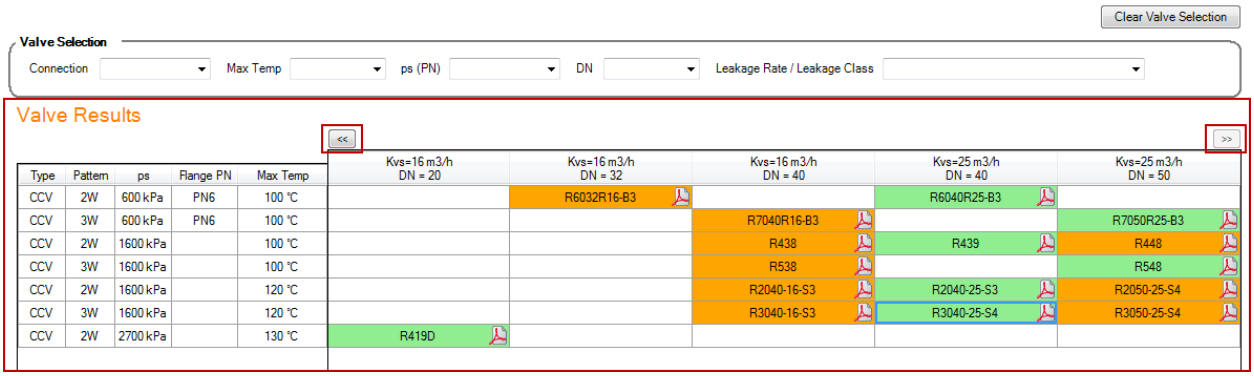
The user interface 6-way characterized control valves offers the option to enter flow, differential pressure and kv-value for both sequences.

3.5 Design of pressure-independent characterized control valve



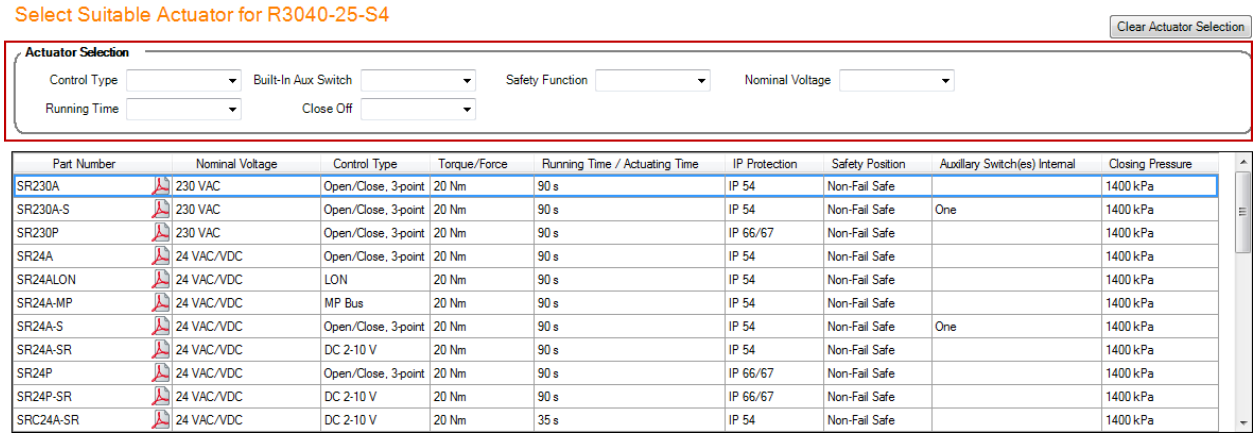
The user interface for pressure-independent applications differs slightly from all other applications.

3.6 Valve Selection



- 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 navigate.

3.7 Selection of actuators

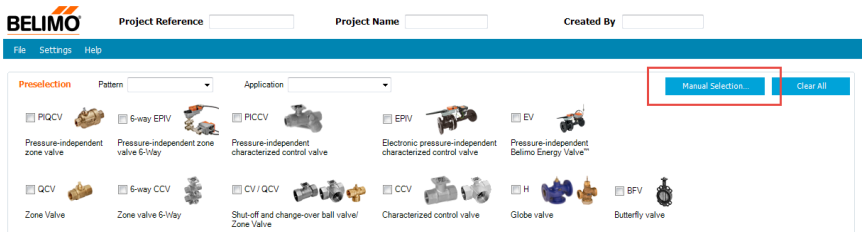


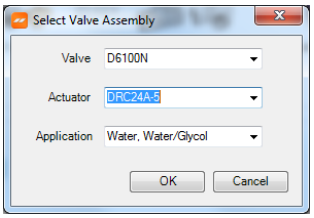
Part Number	Nominal Voltage	Control Type	Torque/Force	Running Time / Actuating Time	IP Protection	Safety Position	Auxiliary Switch(es) Internal	Closing Pressure
SR230A	230 VAC	Open/Close, 3-point	20 Nm	90 s	IP 54	Non-Fail Safe		1400 kPa
SR230A-S	230 VAC	Open/Close, 3-point	20 Nm	90 s	IP 54	Non-Fail Safe	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
SRC24A-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.
- Not 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.

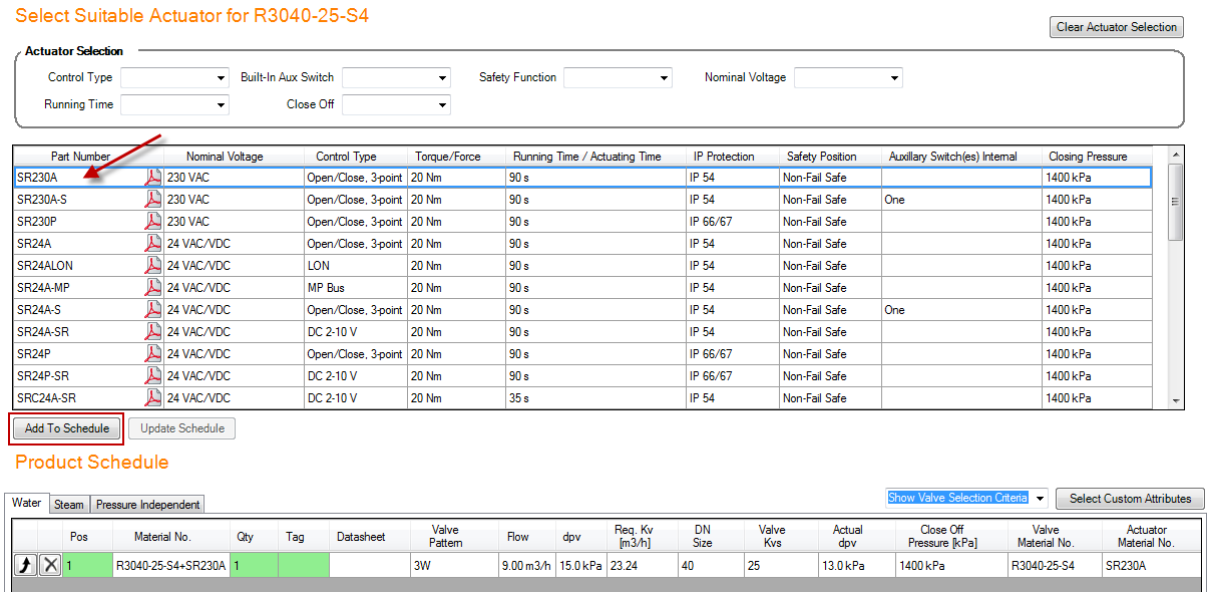
3.8 Manual Selection

Via the menu "Manual Selection" experienced SelectPro users may choose their valve by label and combine the valve with a suitable actuator. The selected combination will be added to the product list (including the option actuator fitted or actuator supplied).



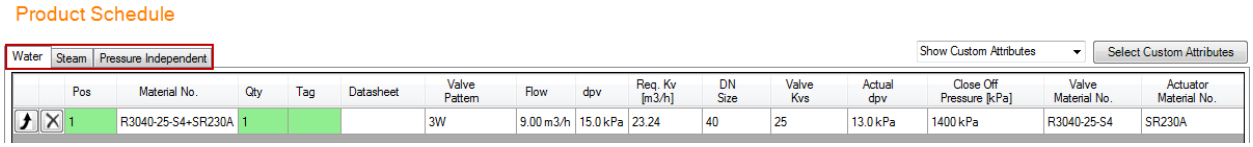


3.9 Project list



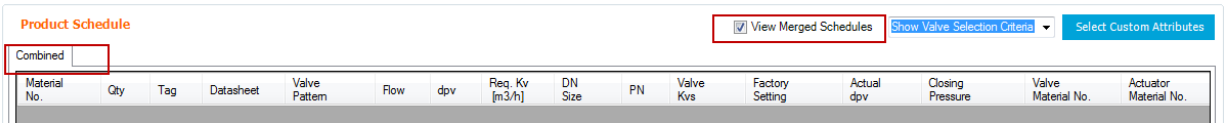
The combination can be added to the project list by selecting the desired actuator by double-clicking or with the "Add to project list" button.

3.10 Water, Steam, Pressure Independent



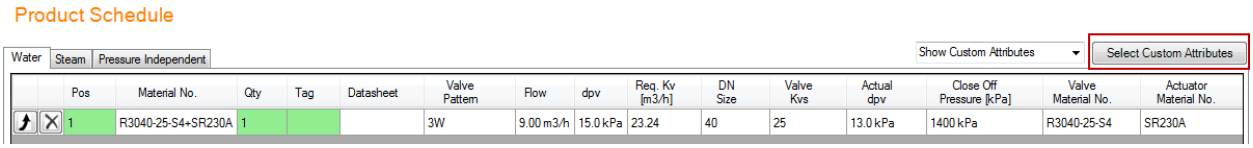
The project form contains three tabs – **Water, Steam** and **Pressure Independent.** The valves selected for these applications are displayed in the respective forms.

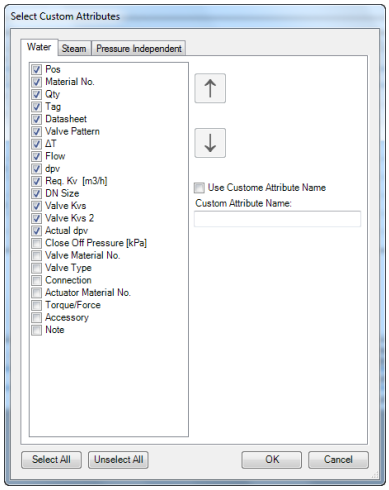
3.11 Merged Product Schedule



From version 3.4 the product schedule offers the option to merge all forms. By clicking the check box on the top all three product schedules (water, steam and pressure independent) will be merged in one single form.

3.12 Show custom attributes



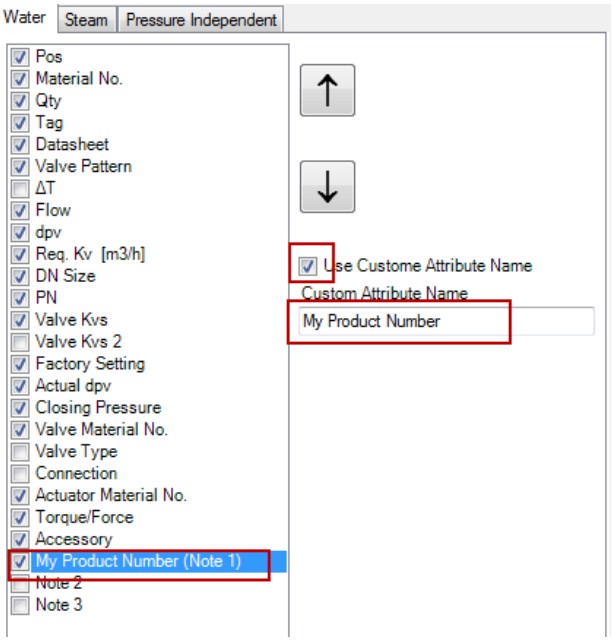


Users can use this option to select which of the available attributes will be displayed. You can change the sequence of the attributes in the project form at any time by clicking in the attribute list on the "*Up*" or "*Down*" arrow keys. The attributes will then be automatically resorted in the project form afterwards.

Be aware:

Only selected attributes will be printed and exported towards Excel.

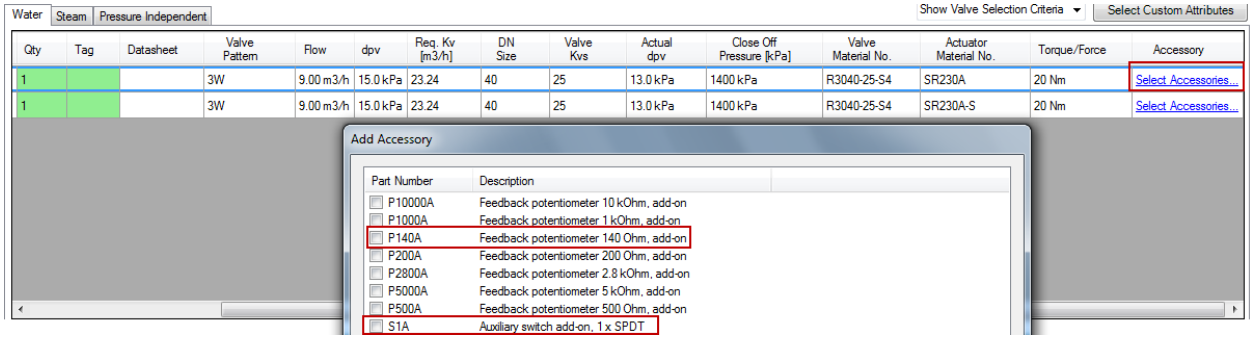
3.13 Personalize attribute name



From SelectPro 3.4 it is offered to personalize attributes (e.g. your internal product number). There are three attributes with default value Note 1, Note 2 and Note 3. Select one of these attributes and enter your custom attribute name. By clicking the check box "Use Custom Attribute Name" the name will be changed.

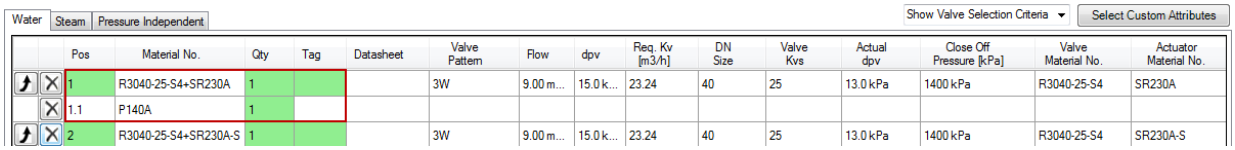
3.14 Selectable accessories

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



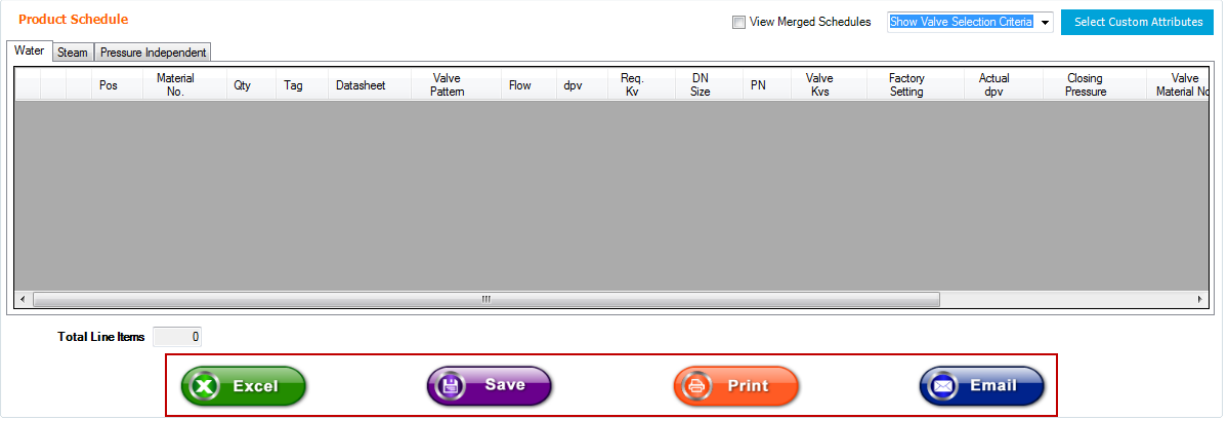
Example: Valve / actuator in Position 1, accessories in Position 1.1.

Product Schedule



4 Share Product Schedule

Any product schedule can be shared in several formats. These formats are XLS, BEL via Print or sent via E-Mail.



4.1 Excel Download

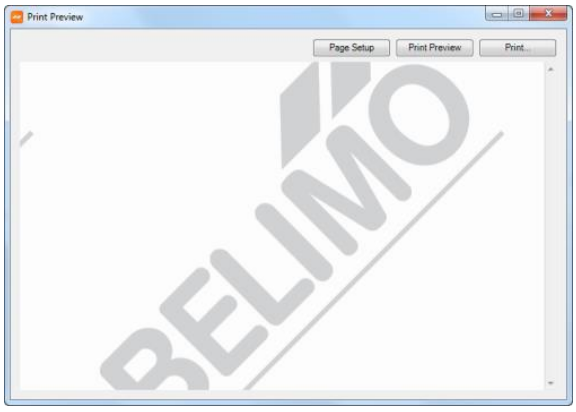
Product schedules can be saved as Microsoft Excel Workbook (xls-file). Each tab in SelectPro (Water, Steam, Pressure Independent) will also be show in Excel as separate tab. Furthermore, all customer information and "My Belimo Partner" information will also be exported to Excel.

4.2 Save as Belimo SelectPro File

SelectPro offers the possibility to save product schedules as Belimo SelectPro File (bel-file). These files can be opened in any SelectPro application.

4.3 Print Product Schedule

Product schedules can be printed. By clicking on the print button, a print preview pop-up opens. This allows also setting up the page and modifying print options.



4.4 Send Product Schedule via E-Mail

Product schedules can be sent via the defined default e-mail client. Clicking on the print button opens a new e-mail and attaches by default the project schedule as bel-file.