



BELIMO SelectPro™ Instructions

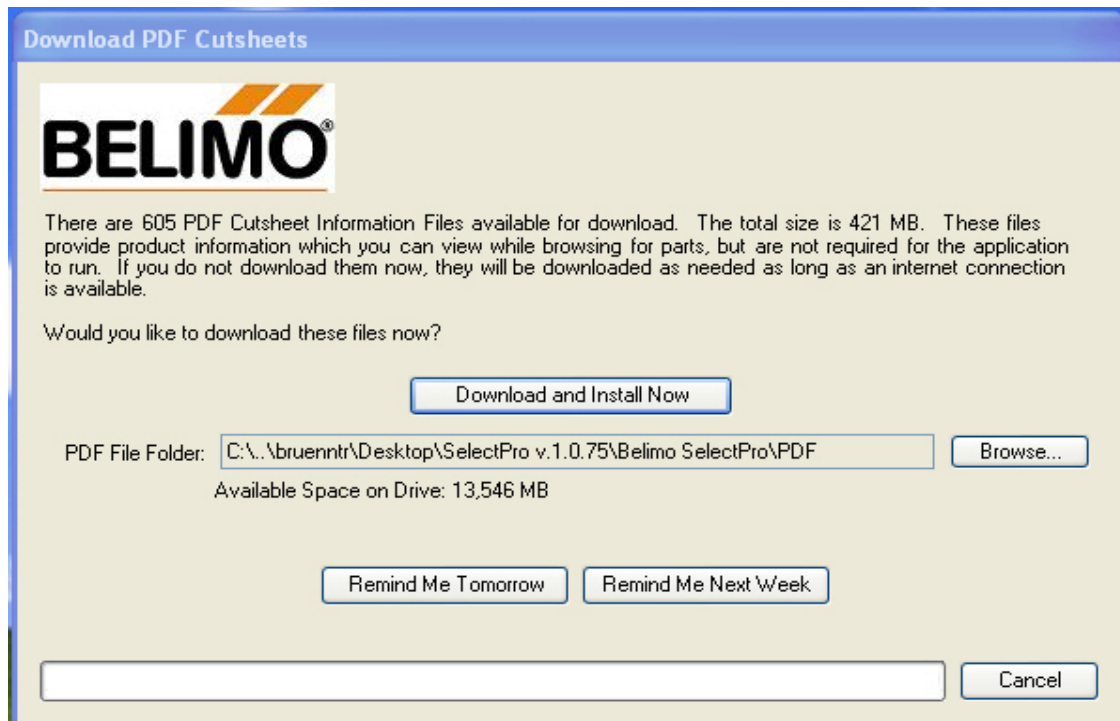
This document details the key features of Belimo's SelectPro™ software. For additional questions, please contact customer service or your local Sales Manager:

Danbury, CT	1-800-543-9038
Sparks, NV	1-800-987-9042
Canada	1-866-805-7089

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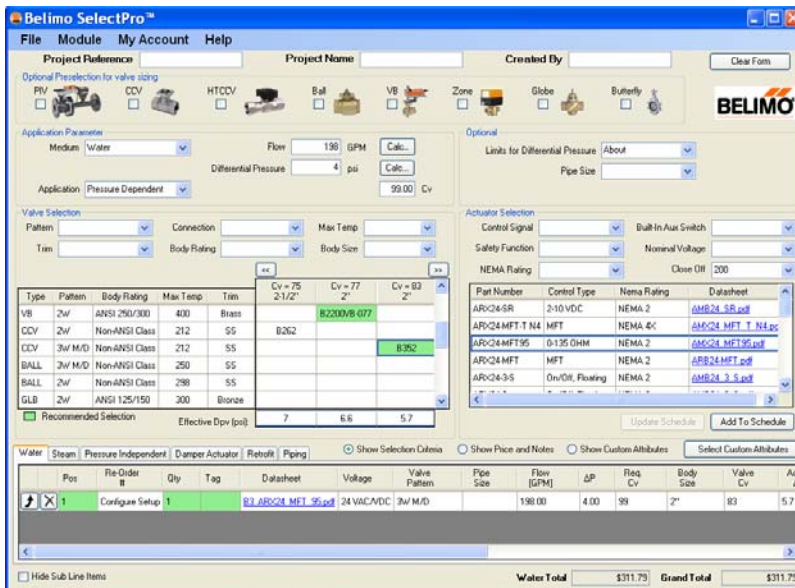
Upon opening the software, there is an opportunity to download all of the PDFs for the products that are included in the software. This can be done in the beginning or at a later date.



After the PDFs are downloaded or **CANCEL** is selected, the following screen will appear. From this screen, clicking **Damper Actuators**, **Valves**, **Retrofit**, or **Piping Package** will open the appropriate form.



This is the working screen/user interface for the **Valves Sizing** module.



Belimo SelectPro™

File Module My Account Help

Project Reference: Project Name: Created By: Clear Form

Optional Preselection for valve sizing: R/V, CCV, HTCCV, Ball, VB, Zone, Globe, Butterfly

Application Parameters: Medium: Water, Flow: 198 GPM, Differential Pressure: 4 psi, Application: Pressure Dependent, Limits for Differential Pressure: About, Pipe Size: 2"

Valve Selection: Pattern: Connection: Max Temp: Trim: Body Rating: Body Size: Actuator Selection: Control Signal: Built-In Axis Switch: Safety Function: Nominal Voltage: NEMA Rating: Close Off: 200

Type	Pattern	Body Rating	Max Temp	Trim	Cv = 75 2-1/2"	Cv = 77 2"	Cv = 82 2"
VB	2w/	ANSI 250/300	400	Brass	8.2200/8.077		
CCV	2w/	Non-ANSI Class	212	SS	B.262		
CCV	3w/ M/D	Non-ANSI Class	212	SS		B.362	
BALL	2w/ M/D	Non-ANSI Class	250	SS			
BALL	2w/	Non-ANSI Class	298	SS			
GLB	2w/	ANSI 125/150	300	Brass			

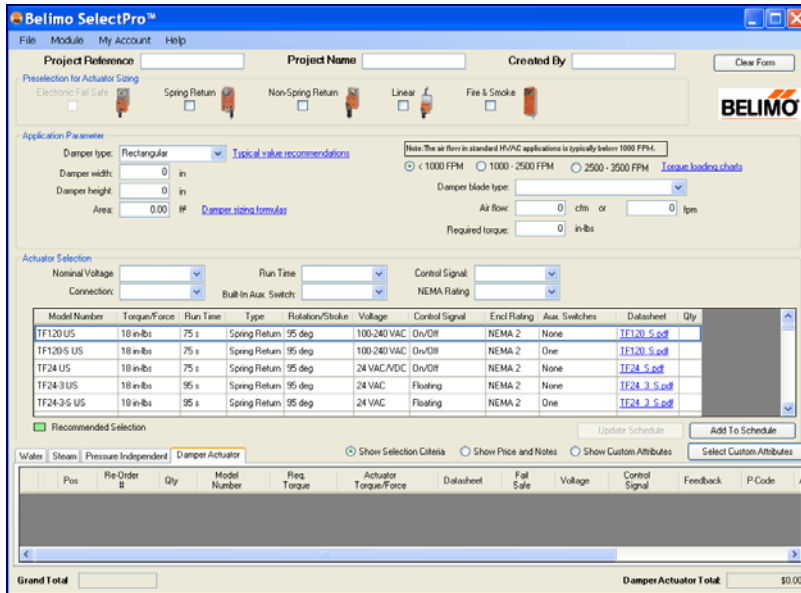
Effective Dp (psi): 7, 6.6, 5.7

Part Number, Control Type, Nema Rating, Datasheet

Pos	File Order	Qty	Tag	Datasheet	Voltage	Valve Pattern	Pipe Size	Flow [GPM]	ΔP	Req. Cv	Body Size	Valve Cv	Ad
1	Configure Setup	1		B3.6RC24_MFT_95.pdf	24 VAC/VDC	3w/ M/D		198.00	4.00	99	2"	83	5.7

Water Total: \$311.75 Grand Total: \$311.75

This is the working screen/user interface for the **Damper Actuator** sizing module.



The interface shows the 'Damper Actuator' section with various input fields and a table of recommended actuators.

Project Reference: [Blank] **Project Name:** [Blank] **Created By:** [Blank] **Clear Form**

Preselction for Actuator Sizing: Electronic Fail Safe [X] Spring Return [X] Non-Spring Return [X] Linear [X] Fire & Smoke [X]

Application Parameter: Damper type: Rectangular [X] Typical value recommendations [X] Damper width: 0 in Damper height: 0 in Area: 0.00 IF Damper vnaia formula [X] Note: The air flow in standard HVAC applications is typically below 1000 FPM. Air flow: 0 cfm or 0 lpm Required torque: 0 in-lb

Actuator Selection: Nominal Voltage: [Blank] Run Time: [Blank] Control Signal: [Blank] Connection: [Blank] Built-In Aux. Switch: [Blank] NEMA Rating: [Blank]

Model Number	Torque/Force	Run Time	Type	Rotation/Stroke	Voltage	Control Signal	End Rating	Aux. Switches	Datasheet	Qty
TF120 US	18 in-lb	75 s	Spring Return	95 deg	100-240 VAC	On/Off	NEMA 2	None	TF120_S.pdf	1
TF120S US	18 in-lb	75 s	Spring Return	95 deg	100-240 VAC	On/Off	NEMA 2	One	TF120_S.pdf	1
TF24 US	18 in-lb	75 s	Spring Return	95 deg	24 VAC/VDC	On/Off	NEMA 2	None	TF24_S.pdf	1
TF24-3 US	18 in-lb	95 s	Spring Return	95 deg	24 VAC	Floating	NEMA 2	None	TF24_3_S.pdf	1
TF24-3S US	18 in-lb	95 s	Spring Return	95 deg	24 VAC	Floating	NEMA 2	One	TF24_3_S.pdf	1

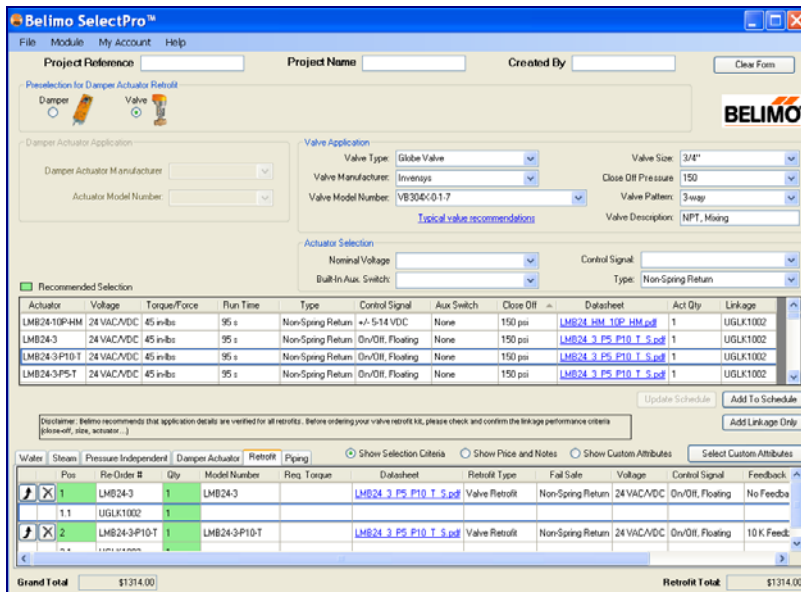
Recommended Selection: [X] **Update Schedule** **Add To Schedule**

Water **Steam** **Pressure Independent** **Damper Actuator** **Show Selection Criteria** **Show Price and Notes** **Show Custom Attributes** **Select Custom Attributes**

Pos	Re-Order #	Qty	Model Number	Req. Torque	Actuator Torque/Force	Datasheet	Fail Safe	Voltage	Control Signal	Feedback	P Code
[Empty table body]											

Grand Total: [Blank] **Damper Actuator Total:** \$0.00

This is the working screen/user interface for the **Retrofit Solutions** module.



The interface shows the 'Retrofit' section with various input fields and a table of recommended actuators.

Project Reference: [Blank] **Project Name:** [Blank] **Created By:** [Blank] **Clear Form**

Preselction for Damper Actuator Retrofit: Damper [X] Valve [X]

Damper Actuator Application: Damper Actuator Manufacturer: [Blank] Actuator Model Number: [Blank]

Valve Application: Valve Type: Globe Valve [X] Valve Size: 3/4" [X] Valve Manufacturer: Invenys [X] Close Off Pressure: 150 [X] Valve Model Number: VB304C-D1-7 [X] Valve Pattern: 3-way [X] Valve Description: NPT, Mixing [X] Typical value recommendations [X]

Actuator Selection: Nominal Voltage: [Blank] Run Time: [Blank] Control Signal: [Blank] Built-In Aux. Switch: [Blank] Type: Non-Spring Return [X]

Recommended Selection: [X] **Update Schedule** **Add To Schedule**

Disclaimer: Belimo recommends that application details are verified for all retrofits. Before ordering your valve retrofit kit, please check and confirm the linkage performance criteria (linkage kit, size, actuator...)

Water **Steam** **Pressure Independent** **Damper Actuator** **Retrofit** **Piping** **Show Selection Criteria** **Show Price and Notes** **Show Custom Attributes** **Select Custom Attributes**

Actuator	Voltage	Torque/Force	Run Time	Type	Control Signal	Aux. Switch	Close Off	Datasheet	Act Qty	Linkage
LMB24-10P4M	24 VAC/VDC	45 in-lb	95 s	Non-Spring Return	+/- 5-14 VDC	None	150 psi	LMB24_HM_10P_HM.pdf	1	UGLK1002
LMB24-3	24 VAC/VDC	45 in-lb	95 s	Non-Spring Return	On/Off, Floating	None	150 psi	LMB24_3_PS_P10_T_S.pdf	1	UGLK1002
LMB24-3P10-T	24 VAC/VDC	45 in-lb	95 s	Non-Spring Return	On/Off, Floating	None	150 psi	LMB24_3_PS_P10_T_S.pdf	1	UGLK1002
LMB24-3PST	24 VAC/VDC	45 in-lb	95 s	Non-Spring Return	On/Off, Floating	None	150 psi	LMB24_3_PS_P10_T_S.pdf	1	UGLK1002

Grand Total: \$1314.00 **Retrofit Total:** \$1314.00

This is the working screen/user interface for the **Piping Package** sizing module.

Belimo SelectPro™

File Module My Account Help

Project Reference: _____ Project Name: _____ Created By: _____ Clear Form

Click image to view PDF

☒ Valve Piping Package ☐ Components Only

Application

Valve Type: CCV 2/way Valve Model Number: B210

Valve Size: 3/4" Valve Location: ☒ Return ☐ Supply

Run Out Pipe Size: 1" Extension components required? ☐

Coil Size: 1" Design flow rate: 10 Range: 7.4 to 17.47 GPM

Package Selection

Return Side: Union ☒ P/T Post 1" F NPT 3/4" M NPT

Manual Balance ☒ P/T Post 1" F NPT 3/4" M NPT

Supply Side: Strainer ☒ P/T post 1" F NPT 1" M NPT

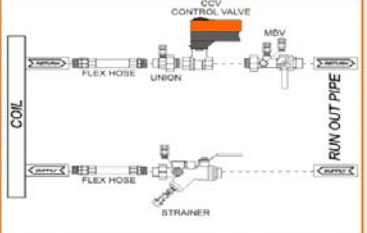
Hoses: Hoses: _____ Hose Size: 1" x 18"

What is a standard piping package? Update Schedule Add To Schedule

Valve Steam Pressure Independent Damper Actuator Results **Piping** ☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes Select Custom Attributes

	Pos	Re-Order #	Qty	Component Type	Coil Size	Runout Pipe Size	Valve Location	Extensions	Flow Rate	Valve Part No.	PT Post	Component Body-End Size
1	1	P2411411521120	1	Strainer	1"	1"	Return	No	10	B210	No	1"
1.1		PPS3113		Strainer				No			Yes	1"
1.2		PPS4115		MBV				No			Yes	1"

Grand Total: \$222.30 Piping Total: \$222.30











Key Features of SelectPro™

Belimo SelectPro™

File Module My Account Help

Project Reference **Project Name** 07212011Test **Created By** [Edit Customer Details...](#)

Optional Preselection for valve sizing

☐ PIV 
☐ CCV 
☐ HTCCV 
☐ Ball 
☐ VB 
☐ Zone 
☐ Globe 
☐ Butterfly 

Application Parameter

Medium: Flow: GPM
 Control: Differential Pressure: psi
 Application: Cv:

Valve Selection

Pattern: Connection: Max Temp:
 Trim: Body Rating: Body Size:

Type	Pattern	Body Rating	Max Temp	Trim	Cv = 30 3/4"	Cv = 30 1"	Cv = 37 1-1/4"
BFV	2W	Non-ANSI Class	250	SS			
CCV	2W	Non-ANSI Class	212	SS		B225	B232
HTCCV	2W	Non-ANSI Class	266	SS			
BALL	2W	Non-ANSI Class	280	SS	B2075VS-30		
BALL	2W	Non-ANSI Class	298	SS	B2075VSS-30		

☒ Recommended Selection Effective Dpv (psi):



Actuator Selection

Control Signal: Built-In Aux Switch:
 Safety Function: Nominal Voltage:
 NEMA Rating: Close Off:

Part Number	Control Type	Nema Rating	Datasheet
NRQX24-MFT	MFT	NEMA 2	NMQ24_MFT.pdf
NRQB24-MFT	MFT	NEMA 2	NMQ24_MFT.pdf
ARX24-SR	2-10 VDC	NEMA 2	ARB24_SR.pdf
ARX24-MFT	MFT	NEMA 2	ARB24-MFT.pdf
ARB24-SR-T	2-10 VDC	NEMA 2	ARB24_SR.pdf
ARB24-SR	2-10 VDC	NEMA 2	ARB24_SR.pdf

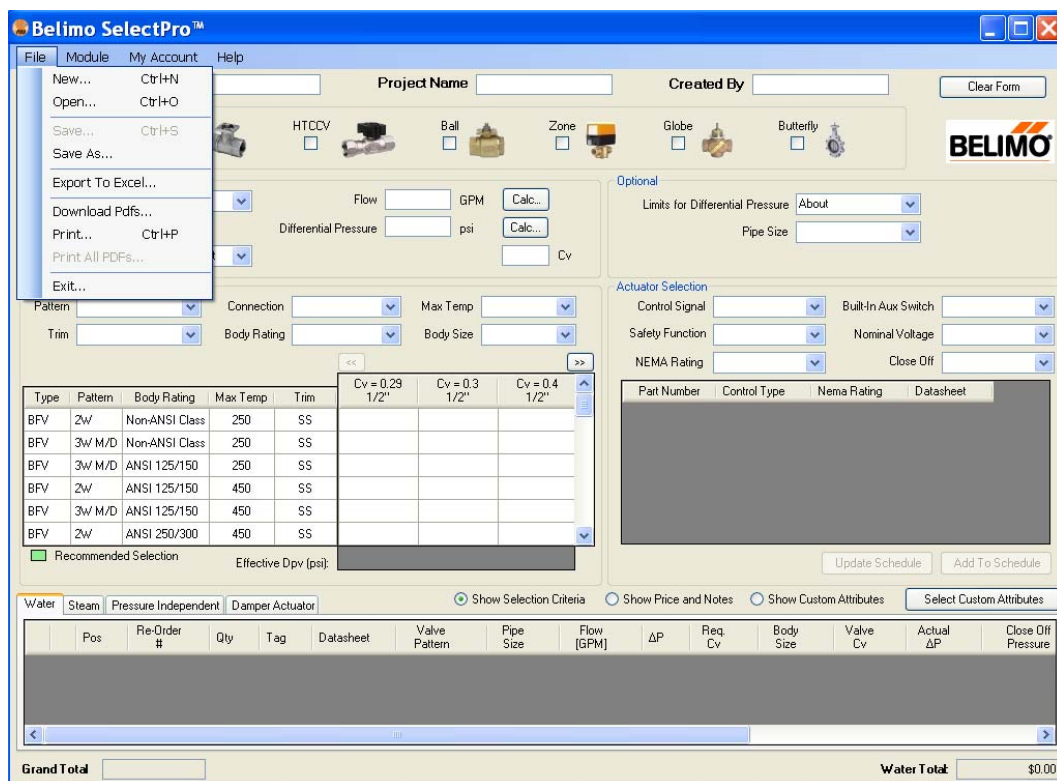
Water ☒ **Steam** ☐ **Pressure Independent** ☐ **Damper Actuator** ☐ **Retrofit** ☐ **Piping** ☐

☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes

	Pos	Re-Order #	Qty	Tag	Datasheet	Voltage	Control Signal	Valve Pattern	Pipe Size	Flow [GPM]	ΔP	Req. Cv
	2	B34752+ART000T2000	1		B3_ARB_X_24_3_S.pdf	24 VAC/VDC	On/Off, Floating	3W M/D		0.00	0.00	0
	3	F7A38M30+2"Gx110 1C1 A59	1		F7_300SHP_GM_MFT.pdf	24 VAC/VDC	MFT	3W M/D		0.00	0.00	0

Water Total \$9111.00 **Grand Total** \$14079.00

The File, Module, My Account and Help menus provide additional support and functions of the tool.



The **File** Menu includes:

- New** – to start a new project
- Open** – to open an existing saved project
- Save, Save as** – used when saving a project as a **.bel** file type, will default to the **Project Name** as the file name
- Export to Excel** – used to export data from SelectPro™ into an excel format (see example below.)
- Download PDFs** – selected if the PDFs were not fully downloaded during initial opening of the tool
- Print** – enables print menu
- Print All PDFs** – enables printing of multiple PDFs at the same time
- Exit** – exits the tool

Note: The **.bel** file that is created by SelectPro™ can be saved and re-accessed allowing projects to be edited. This file can also be e-mailed to any member of Belimo or from any member of Belimo. Ex: if you would like to have a project reviewed for accuracy or would like Belimo to complete the quote for you, the project would simply be saved in the **.bel** file and e-mailed.

Belimo SelectPro™

File Module My Account Help

Options: ☒ Valve Assembly Selection ☐ Damper Actuator Selection ☐ Retrofit Solutions ☐ Piping Package Selection

Project Name: Created By: Clear Form

Medium: Flow: GPM Differential Pressure: psi Application: Pressure Dependent Cv:

Valve Selection: Pattern: Connection: Max Temp: Trim: Body Rating: Body Size:

Type	Pattern	Body Rating	Max Temp	Trim	Cv = 0.29 1/2"	Cv = 0.3 1/2"	Cv = 0.4 1/2"
BFV	2W	Non-ANSI Class	250	SS			
BFV	3W M/D	Non-ANSI Class	250	SS			
BFV	3W M/D	ANSI 125/150	250	SS			
BFV	2W	ANSI 125/150	450	SS			
BFV	3W M/D	ANSI 125/150	450	SS			
BFV	2W	ANSI 250/300	450	SS			

☒ Recommended Selection Effective Dpv (psi):

Actuator Selection: Control Signal: Built-In Aux Switch: Safety Function: Nominal Voltage: NEMA Rating: Close Off:

Part Number: Control Type: Nema Rating: Datasheet:

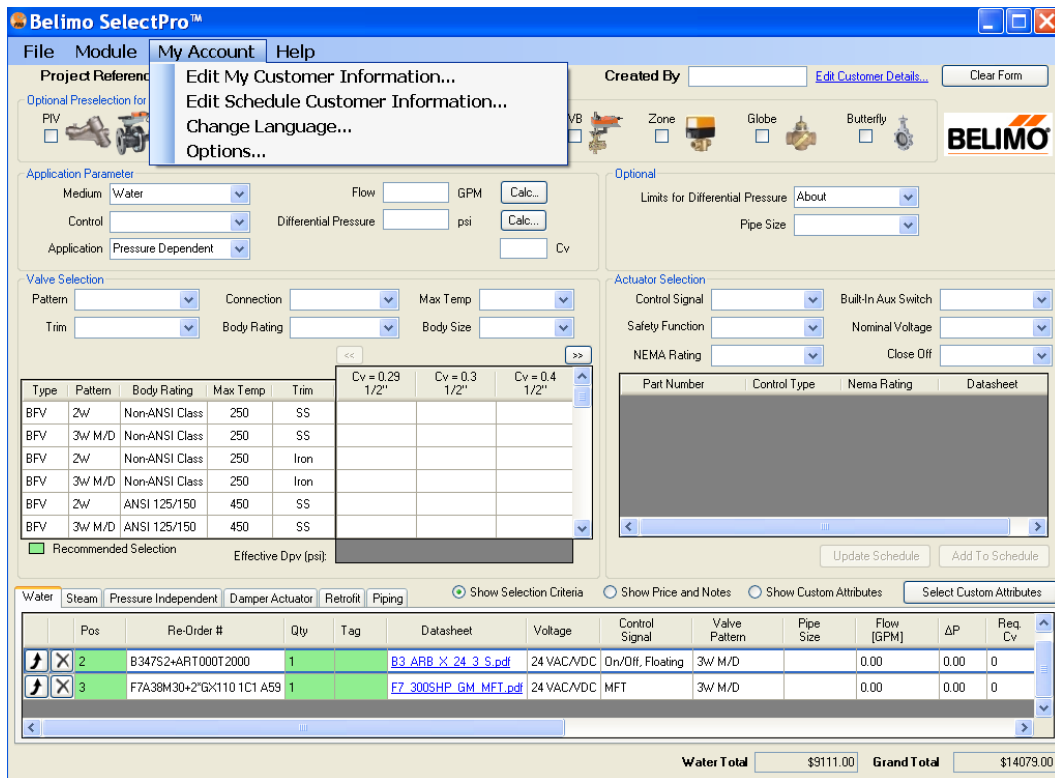
Update Schedule Add To Schedule

Water Steam Pressure Independent Damper Actuator Retrofit Piping ☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes

Pos	Re-Order #	Qty	Tag	Datasheet	Valve Pattern	Pipe Size	Flow [GPM]	ΔP	Req. Cv	Body Size	Valve Cv	Actual ΔP	Close Off Pressure

Grand Total: \$222.30 Water Total: \$0.00

The **Module** menu allows navigation between the **Valve Assembly Sizing**, **Damper Actuator Sizing**, **Retrofit Solutions**, and the **Piping Package Sizing** modules.



Belimo SelectPro™

File Module **My Account** Help

Project Reference: [Blank] Edit My Customer Information... Edit Schedule Customer Information... Change Language... Options...

Created By: [Blank] Edit Customer Details... Clear Form

Optional Preselection for PIV: [Blank]

Application Parameter: Medium: Water, Flow: [Blank] GPM, Calc..., Control: [Blank], Differential Pressure: [Blank] psi, Calc..., Application: Pressure Dependent, Cv: [Blank]

Valve Selection: Pattern: [Blank], Connection: [Blank], Max Temp: [Blank], Trim: [Blank], Body Rating: [Blank], Body Size: [Blank]

Type	Pattern	Body Rating	Max Temp	Trim	Cv = 0.29 1/2"	Cv = 0.3 1/2"	Cv = 0.4 1/2"
BFV	2W	Non-ANSI Class	250	SS			
BFV	3W M/D	Non-ANSI Class	250	SS			
BFV	2W	Non-ANSI Class	250	Iron			
BFV	3W M/D	Non-ANSI Class	250	Iron			
BFV	2W	ANSI 125/150	450	SS			
BFV	3W M/D	ANSI 125/150	450	SS			

Recommended Selection: [Blank] Effective Dpv (psi): [Blank]

Actuator Selection: Control Signal: [Blank], Built-In Aux Switch: [Blank], Safety Function: [Blank], Nominal Voltage: [Blank], NEMA Rating: [Blank], Close Off: [Blank]

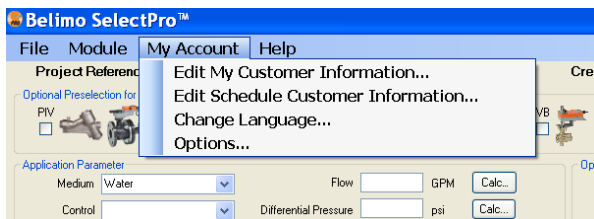
Part Number, Control Type, Nema Rating, Datasheet

Update Schedule, Add To Schedule

Water, Steam, Pressure Independent, Damper Actuator, Retrofit, Piping, Show Selection Criteria, Show Price and Notes, Show Custom Attributes, Select Custom Attributes

	Pos	Re-Order #	Qty	Tag	Datasheet	Voltage	Control Signal	Valve Pattern	Pipe Size	Flow [GPM]	ΔP	Req. Cv
X	2	B34752+ART000T2000	1		B3_ARB X 24 3 S.pdf	24 VAC/VDC	On/Off, Floating	3W M/D		0.00	0.00	0
X	3	F7A38M30+2"Gx110 1C1 A59	1		F7_300SHP_GM_MFT.pdf	24 VAC/VDC	MFT	3W M/D		0.00	0.00	0

Water Total: \$9111.00 Grand Total: \$14079.00



Belimo SelectPro™

File Module **My Account** Help

Project Reference: [Blank] Edit My Customer Information... Edit Schedule Customer Information... Change Language... Options...

Created By: [Blank]

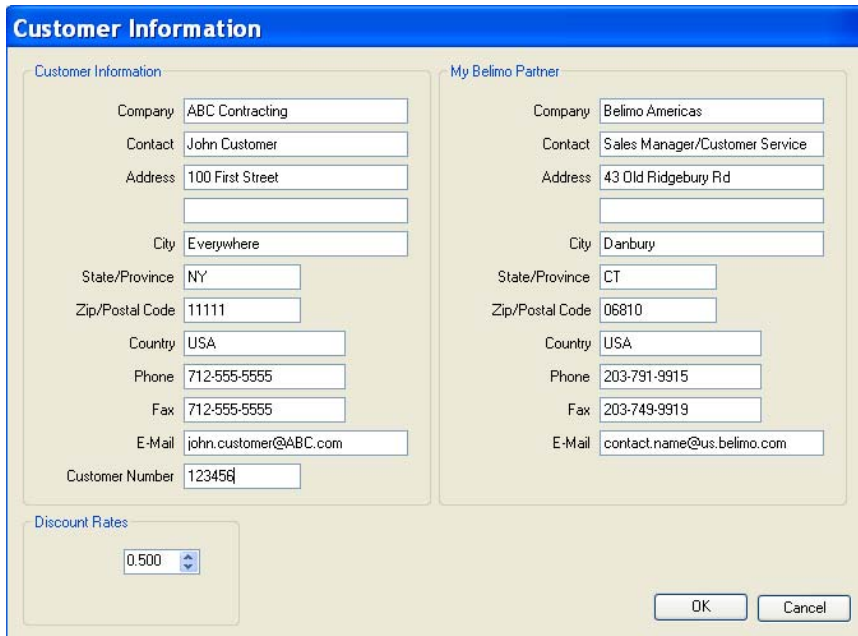
Optional Preselection for PIV: [Blank]

Application Parameter: Medium: Water, Flow: [Blank] GPM, Calc..., Control: [Blank], Differential Pressure: [Blank] psi, Calc...

The **My Account** menu includes:

Edit My Customer Information - contains user and Belimo contact information

After selecting **Edit My Customer Information**, user contact data should be entered. This data will be used on the printed outputs of the tool. Please note that the customer multiplier information is also entered on this form. If it is not, then the projects will not reflect the correct pricing.



Customer Information

Customer Information	My Belimo Partner
Company: ABC Contracting	Company: Belimo Americas
Contact: John Customer	Contact: Sales Manager/Customer Service
Address: 100 First Street	Address: 43 Old Ridgebury Rd
City: Everywhere	City: Danbury
State/Province: NY	State/Province: CT
Zip/Postal Code: 11111	Zip/Postal Code: 06810
Country: USA	Country: USA
Phone: 712-555-5555	Phone: 203-791-9915
Fax: 712-555-5555	Fax: 203-749-9919
E-Mail: john.customer@ABC.com	E-Mail: contact.name@us.belimo.com
Customer Number: 123456	

Discount Rates

0.500

OK Cancel

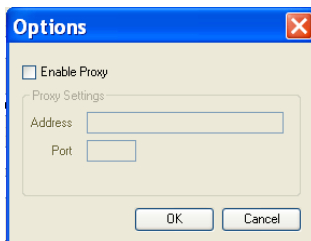
If you do not know your customer number or multiplier, please contact us. The customer number is not needed for operation of the tool.

Edit Schedule Customer Information – contains schedule specific customer information.

After selecting **Edit Schedule Customer Information**, the user's customer data should be entered. This data will override the user data entered in **Edit My Customer Information** and will be effective for the current schedule only.

Change Language – allows viewing of Americas tool and also European version of sizing tool. Default is **Americas**.

Options – enables proxy server use (this is for users who use a proxy server to access the internet (most users will not need this). If you are unsure if this is needed, please contact your local IT dept. and they should be able to assist you.



Options

☐ Enable Proxy

Proxy Settings

Address:

Port:

OK Cancel

Belimo SelectPro™

File Module My Account Help

Project Reference

Optional Preselection for valve sizing

PIV ☐ CCV ☐

Application Parameter

Medium Water

Application Pressure Dependent

Valve Selection

Pattern Connection Max Temp

Trim Body Rating Body Size

Type	Pattern	Body Rating	Max Temp	Trim	Cv = 0.29 1/2"	Cv = 0.3 1/2"	Cv = 0.4 1/2"
BFV	2w	Non-ANSI Class	250	SS			
BFV	3w M/D	Non-ANSI Class	250	SS			
BFV	3w M/D	ANSI 125/150	250	SS			
BFV	2w	ANSI 125/150	450	SS			
BFV	3w M/D	ANSI 125/150	450	SS			
BFV	2w	ANSI 250/300	450	SS			

☒ Recommended Selection

Effective Dpv (psi):

Actuator Selection

Control Signal Built-In Aux Switch

Safety Function Nominal Voltage

NEMA Rating Close Off

Part Number Control Type Nema Rating Datasheet

Update Schedule Add To Schedule

Water Steam Pressure Independent Damper Actuator

Show Selection Criteria Show Price and Notes Show Custom Attributes Select Custom Attributes

Pos	Re-Order #	Qty	Tag	Datasheet	Valve Pattern	Pipe Size	Flow [GPM]	ΔP	Req. Cv	Body Size	Valve Cv	Actual ΔP	Close Off Pressure

Grand Total Water Total \$0.00

The **Help** Menu includes resource documents from Belimo including:

SelectPro™ Instructions

Terminology

Spring Return Nomenclature

Non-Spring Return Nomenclature

Electronic Fail Safe Nomenclature

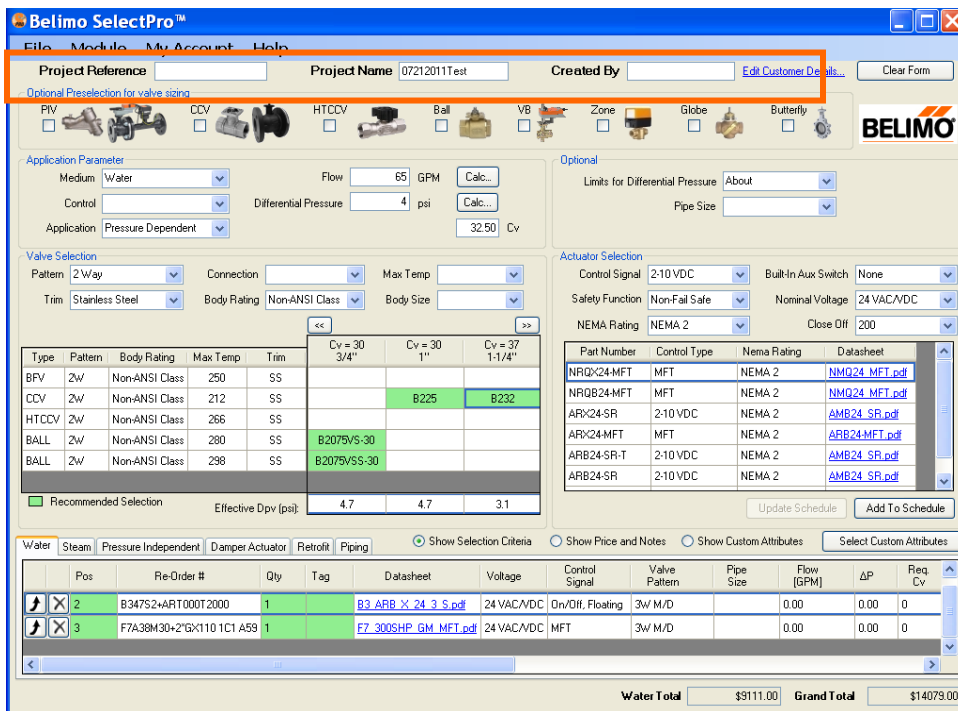
Valve Sizing Rules

End User License Agreement

Contact Us

About

Operation of SelectPro™ - Valve Sizing Module



Project Reference **Project Name** 07212011Test **Created By** [Edit Customer Details...](#)

☐ Optional Preselection for valve sizing

☐ PIV ☐ CCV ☐ HTCCV ☐ Ball ☐ VB ☐ Zone ☐ Globe ☐ Butterfly **BELIMO**

Application Parameter
Medium: Water 65 GPM
Control: Differential Pressure: 4 psi
Application: Pressure Dependent 32.50 Cv

Valve Selection
Pattern: 2 W/way Max Temp:
Trim: Stainless Steel Non-ANSI Class

Type	Pattern	Body Rating	Max Temp	Trim	Cv = 30 3/4"	Cv = 30 1"	Cv = 37 1-1/4"
BFV	2W	Non-ANSI Class	250	SS			
CCV	2W	Non-ANSI Class	212	SS		B225	B232
HTCCV	2W	Non-ANSI Class	266	SS			
BALL	2W	Non-ANSI Class	280	SS	B207VS-30		
BALL	2W	Non-ANSI Class	298	SS	B207VS/SS-30		

☐ Recommended Selection Effective Dpv (psi): 4.7 4.7 3.1

Actuator Selection
Control Signal: 2-10 VDC None Non-Fail Safe 24 VAC/VDC
NEMA Rating: NEMA 2 200

Part Number	Control Type	Nema Rating	Datasheet
NRQX24-MFT	MFT	NEMA 2	NMQ24_MFT.pdf
NRQB24-MFT	MFT	NEMA 2	NMQ24_MFT.pdf
ARX24-SR	2-10 VDC	NEMA 2	AMB24_SR.pdf
ARX24-MFT	MFT	NEMA 2	ARB24-MFT.pdf
ARB24-SR-T	2-10 VDC	NEMA 2	AMB24_SR.pdf
ARB24-SR	2-10 VDC	NEMA 2	AMB24_SR.pdf

☐ Water ☐ Steam ☐ Pressure Independent ☐ Damper Actuator ☐ Retrofit ☐ Piping ☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes

	Pos	Re-Order #	Qty	Tag	Datasheet	Voltage	Control Signal	Valve Pattern	Pipe Size	Flow (GPM)	ΔP	Req. Cv
<input checked="" type="checkbox"/>	2	B34752+ART000T2000	1		B3_ARB_X_24_3_S.pdf	24 VAC/VDC	On/Off, Floating	3W M/D		0.00	0.00	0
<input checked="" type="checkbox"/>	3	F7A38M30+2"Gx110 1C1 A59	1		F7_300SHP_GM_MFT.pdf	24 VAC/VDC	MFT	3W M/D		0.00	0.00	0

Water Total \$9111.00 **Grand Total** \$14079.00

All valve application data is entered using this screen. The **Project Reference**, **Project Name**, and **Created By** are direct entry fields. When uploading a .bel file onto Belimo's Internet ordering system for easy ordering, the **Project Reference** field will link to the Purchase Order field.

Belimo SelectPro™

File Module My Account Help

Project Reference Project Name 07212011Test Created By Edit Customer Details... Clear Form

Optional Preselection for valve sizing

☐ RV ☐ CCV ☐ HTCCV ☐ Ball ☐ VB ☐ Zone ☐ Globe ☐ Butterfly

Application Parameter: Medium Water Flow 65 GPM Calc... Control Differential Pressure 4 psi Calc... Application Pressure Dependent 32.50 Cv

Valve Selection: Pattern 2 Way Connection Max Temp Trim Stainless Steel Body Rating Non-ANSI Class Body Size

Type	Pattern	Body Rating	Max Temp	Trim	Cv = 30 3/4"	Cv = 30 1"	Cv = 37 1-1/4"
BPV	2W	Non-ANSI Class	250	SS			
CCV	2W	Non-ANSI Class	212	SS		B225	B232
HTCCV	2W	Non-ANSI Class	266	SS			
BALL	2W	Non-ANSI Class	280	SS	B2079VS-30		
BALL	2W	Non-ANSI Class	298	SS	B2079VS-30		

☒ Recommended Selection Effective Dp (psi): 4.7 4.7 3.1

Actuator Selection: Control Signal 2-10 VDC Built-In Aux Switch None Safety Function Non-Fail Safe Nominal Voltage 24 VAC/VDC NEMA Rating NEMA 2 Close Off 200

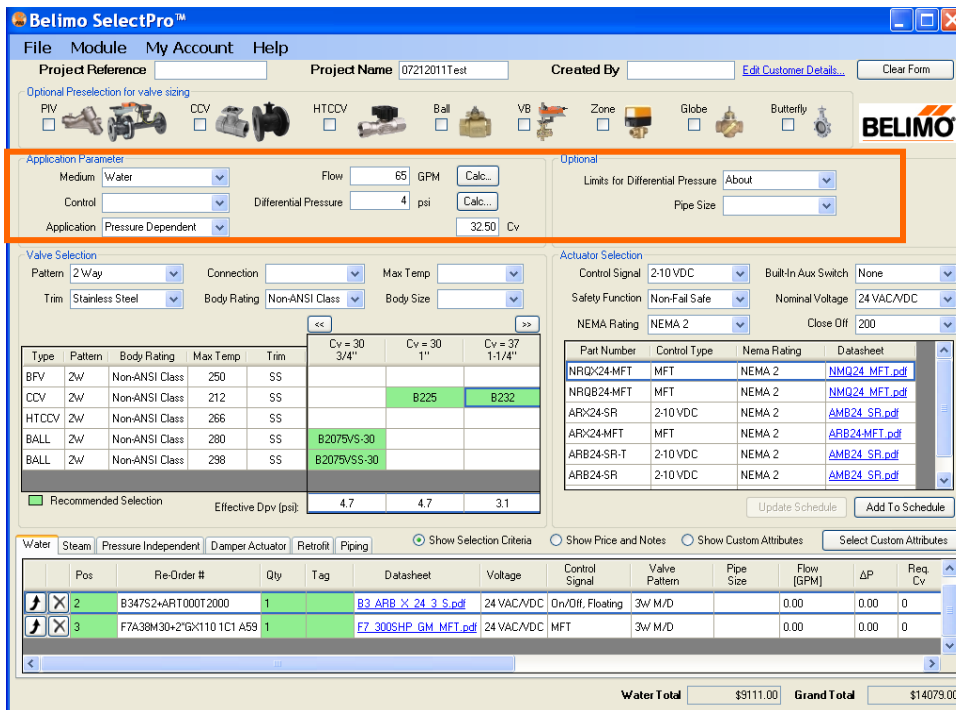
Part Number	Control Type	Nema Rating	Datasheet
NRQX24-MFT	MFT	NEMA 2	NMQ24_MFT.pdf
NRQB24-MFT	MFT	NEMA 2	NMQ24_MFT.pdf
ARX24-SR	2-10 VDC	NEMA 2	AMB24_SR.pdf
ARX24-MFT	MFT	NEMA 2	ARB24MFT.pdf
ARB24-SR-T	2-10 VDC	NEMA 2	AMB24_SR.pdf
ARB24-SR	2-10 VDC	NEMA 2	AMB24_SR.pdf

Water Steam Pressure Independent Damper Actuator Retrofit Piping Show Selection Criteria Show Price and Notes Show Custom Attributes Select Custom Attributes

	Pos	Re-Order #	Qty	Tag	Datasheet	Voltage	Control Signal	Valve Pattern	Pipe Size	Flow [GPM]	ΔP	Req. Cv
✕	2	B347S2+ART000T2000	1		B3_ARB_X_24_3_S.pdf	24 VAC/VDC	On/Off, Floating	3W M/D		0.00	0.00	0
✕	3	F7A38M30+2"Gx110 1C1 A59	1		F7_300SHP_GM_MFT.pdf	24 VAC/VDC	MFT	3W M/D		0.00	0.00	0

Water Total \$9111.00 Grand Total \$14079.00

If the type of valve required is known, then the **Optional Pre-selection for valve sizing** section can be utilized. This is not mandatory for selection. Simply click the valve types that are required. One or several valve types can be selected.



Belimo SelectPro™

File Module My Account Help

Project Reference: [] Project Name: 07212011Test Created By: [] Edit Customer Details... Clear Form

Optional Preselection for valve sizing: PIV [] CCV [] HTCCV [] Ball [] VB [] Zone [] Globe [] Butterfly []

Application Parameters

Medium: Water Flow: 65 GPM [Calc...] Control: [] Differential Pressure: 4 psi [Calc...] Application: Pressure Dependent [] 32.50 Cv

Optional

Limits for Differential Pressure: About [] Pipe Size: []

Valve Selection

Pattern: 2 Way Connection: [] Max Temp: [] Trim: Stainless Steel Body Rating: Non-ANSI Class Body Size: []

Type	Pattern	Body Rating	Max Temp	Trim	Cv = 30 3/4"	Cv = 30 1"	Cv = 37 1-1/4"
BPV	2W	Non-ANSI Class	250	SS			
CCV	2W	Non-ANSI Class	212	SS		B225	B232
HTCCV	2W	Non-ANSI Class	266	SS			
BALL	2W	Non-ANSI Class	280	SS	B207SV/30		
BALL	2W	Non-ANSI Class	298	SS	B207SV/SS-30		

Recommended Selection Effective Dpvt (psi): 4.7 4.7 3.1

Actuator Selection

Control Signal: 2-10 VDC Built-In Aux Switch: None Safety Function: Non-Fail Safe Nominal Voltage: 24 VAC/VDC NEMA Rating: NEMA 2 Close Off: 200

Part Number	Control Type	Nema Rating	Datasheet
NRQX24-MFT	MFT	NEMA 2	NMQ24 MFT.pdf
NRQB24-MFT	MFT	NEMA 2	NMQ24 MFT.pdf
ARX24-SR	2-10 VDC	NEMA 2	AMB24 SR.pdf
ARX24-MFT	MFT	NEMA 2	ARB24 MFT.pdf
ARB24-SR-T	2-10 VDC	NEMA 2	AMB24 SR.pdf
ARB24-SR	2-10 VDC	NEMA 2	AMB24 SR.pdf

Update Schedule Add To Schedule

Water Steam Pressure Independent Damper Actuator Retrofit Piping Show Selection Criteria Show Price and Notes Show Custom Attributes Select Custom Attributes

	Pos	Re-Order #	Qty	Tag	Datasheet	Voltage	Control Signal	Valve Pattern	Pipe Size	Flow (GPM)	ΔP	Req Cv
2	B34752+ART000T2000	1			B3 ARB X 24 3 S.pdf	24 VAC/VDC	On/DH, Floating	3W M/D		0.00	0.00	0
3	F7A38M30+2"Gx110 1C1 A59	1			F7 300SHP GM MFT.pdf	24 VAC/VDC	MFT	3W M/D		0.00	0.00	0

Water Total \$9111.00 Grand Total \$14079.00

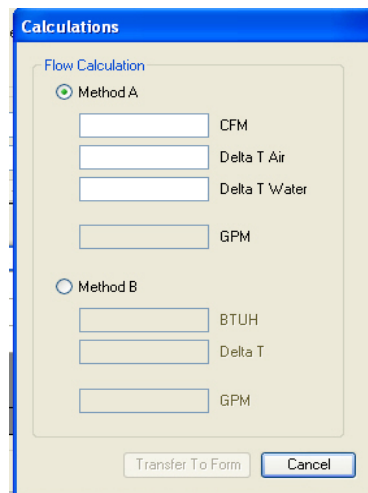
Use the **Application Parameters** and **Optional** Sections to enter as much information about the application as possible. The more information provided will yield a more targeted valve selection.

Medium – Water or Steam

Control – On/Off or Modulating. This will limit the valve bodies and actuators offered. This selection is optional.

Application – Pressure dependent or Pressure independent (PIV is the only PI valve selection)

Flow in GPM – If the GPM is not known, select the **Calc** button for additional methods to calculate GPM.



Calculations

Flow Calculation

☒ Method A

[] CFM

[] Delta T Air

[] Delta T Water

[] GPM

☐ Method B

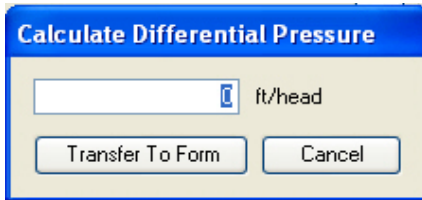
[] BTU/H

[] Delta T

[] GPM

Transfer To Form Cancel

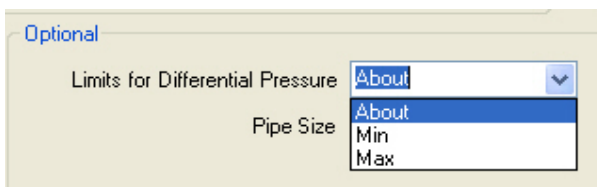
Differential Pressure in PSI. Select **Calc** button if dP is given in ft/head.



A dialog box titled "Calculate Differential Pressure" with a blue header. It contains a text input field with a unit selector icon (a small 'f' in a square) and the text "ft/head". Below the input field are two buttons: "Transfer To Form" and "Cancel".

Optional Parameters:

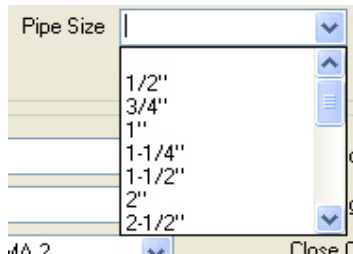
Requirements for differential pressure and pipe sizes can be entered.



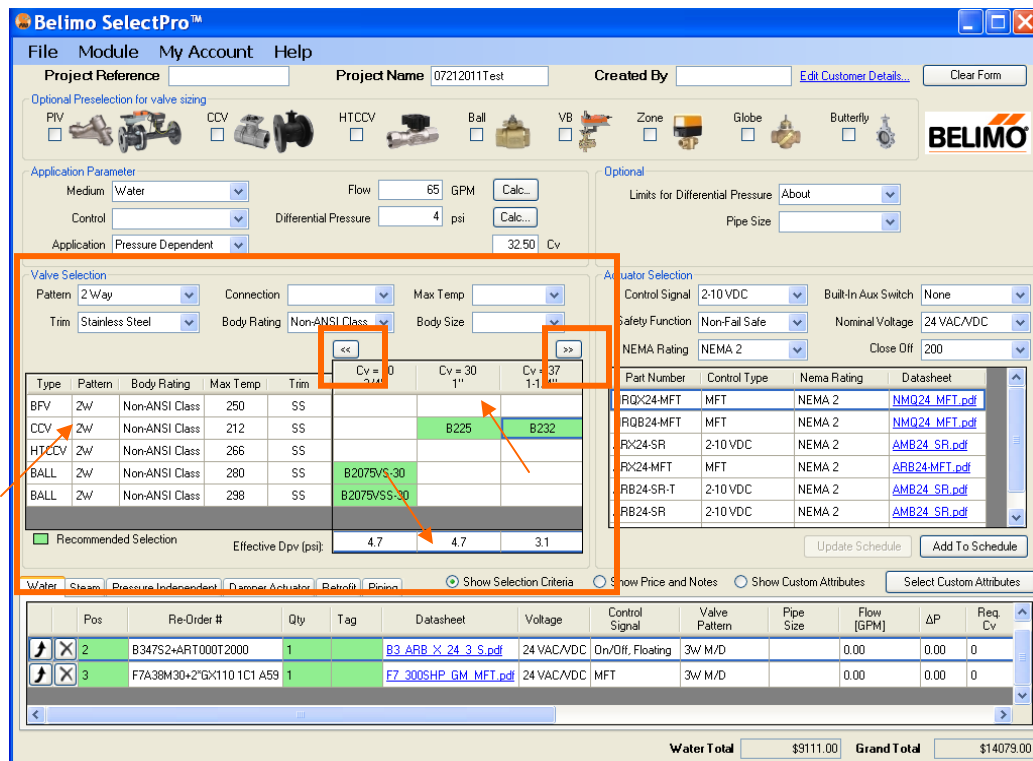
A section titled "Optional" in blue text. It contains two labels: "Limits for Differential Pressure" and "Pipe Size". To the right of "Limits for Differential Pressure" is a dropdown menu with "About" selected. To the right of "Pipe Size" is a list box with "About", "Min", and "Max" options, where "About" is currently selected.

Ex: if a differential pressure of 4 PSI is entered, and “**About**” is selected, then the selections will show those valves that have approximately a 4 PSI differential pressure. If a differential pressure of 4 PSI is entered, and “**Min**” is selected, then the selections will show those valves that have a minimum of 4 PSI differential pressure. If a differential pressure of 4 PSI is entered, and “**Max**” is selected, then the selections will show those valves that have a maximum of 4 PSI differential pressure.

If the pipe size is known, then this can be entered. If the valve selected require a piping correction factor, Fp, that valve's Cv rating will be automatically adjusted by this pipe size. In addition, this pipe size is used with common sizing rules. Ex: will not select a valve that is less than 1/2 the pipe size as a recommended selection. For larger pipe sizes (6" and above), will not select a valve that is less than 2 sizes smaller than the pipe size.



As parameters are selected, recommended valves will be displayed in Green. The differential pressure through the valve will be displayed below the selection. Valve information, Cv ratings, valve size etc. are all displayed. At this time, additional parameters can be selected in the **Valve Selection** area to limit selections. If a pre-selection is made, then the valve selection parameters will be displayed for that type of valve. The arrow boxes above the green selected valves can be moved to the right or left to show other valves. Recommended selections are in green. Not recommended selections are in white.



Belimo SelectPro™

File Module My Account Help

Project Reference: [] Project Name: 07212011Test Created By: [] Edit Customer Details... Clear Form

Optional Preselection for valve sizing

PV [] CCV [] HTCCV [] Ball [] VB [] Zone [] Globe [] Butterfly []

Application Parameter

Medium: Water Flow: 65 GPM Calc... Control: [] Differential Pressure: 4 psi Calc... Application: Pressure Dependent Cv: 32.50

Optional

Limits for Differential Pressure: About Pipe Size: []

Valve Selection

Pattern: 2 Way Connection: [] Max Temp: [] Trim: Stainless Steel Body Rating: Non-ANSI Class Body Size: []

Actuator Selection

Control Signal: 2-10 VDC Built-In Aux Switch: None Safety Function: Non-Fail Safe Nominal Voltage: 24 VAC/VDC NEMA Rating: NEMA 2 Close Off: 200

Type	Pattern	Body Rating	Max Temp	Trim	Cv = 0	Cv = 30	Cv = 37
BFV	2W	Non-ANSI Class	250	SS			
CCV	2W	Non-ANSI Class	212	SS		B225	B232
HTCCV	2W	Non-ANSI Class	266	SS			
BALL	2W	Non-ANSI Class	280	SS	B2075VS-30		
BALL	2W	Non-ANSI Class	298	SS	B2075VS-30		

Recommended Selection Effective Dpv (psi): 4.7 4.7 3.1

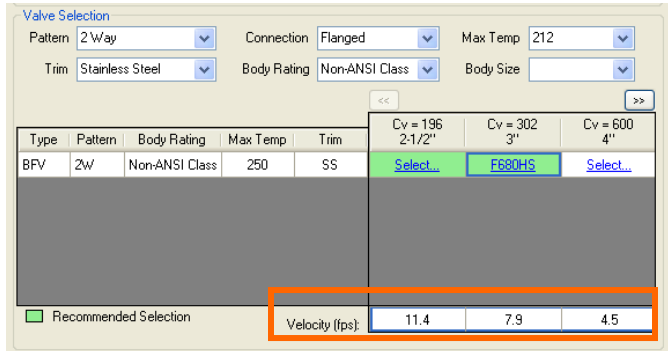
Water [] Steam [] Pressure Independent [] Damper Actuator [] Retrofit []

Show Selection Criteria Show Price and Notes Show Custom Attributes Select Custom Attributes

Pos	Re-Order #	Qty	Tag	Datasheet	Voltage	Control Signal	Valve Pattern	Pipe Size	Flow [GPM]	ΔP	Req. Cv
2	B347S2-ART000T2000	1		B3 ARB X 24 3 S.pdf	24 VAC/VDC	On/Off, Floating	3W M/D		0.00	0.00	0
3	F7A38M30-2GX110 1C1 A59	1		F7 300SHP GM MFT.pdf	24 VAC/VDC	MFT	3W M/D		0.00	0.00	0

Water Total \$9111.00 Grand Total \$14079.00

If the type of valve selected is a butterfly valve, then the **Effective Dpv** is substituted by the **Velocity (fps)**.



Valve Selection

Pattern: 2 Way Connection: Flanged Max Temp: 212

Trim: Stainless Steel Body Rating: Non-ANSI Class Body Size: >>

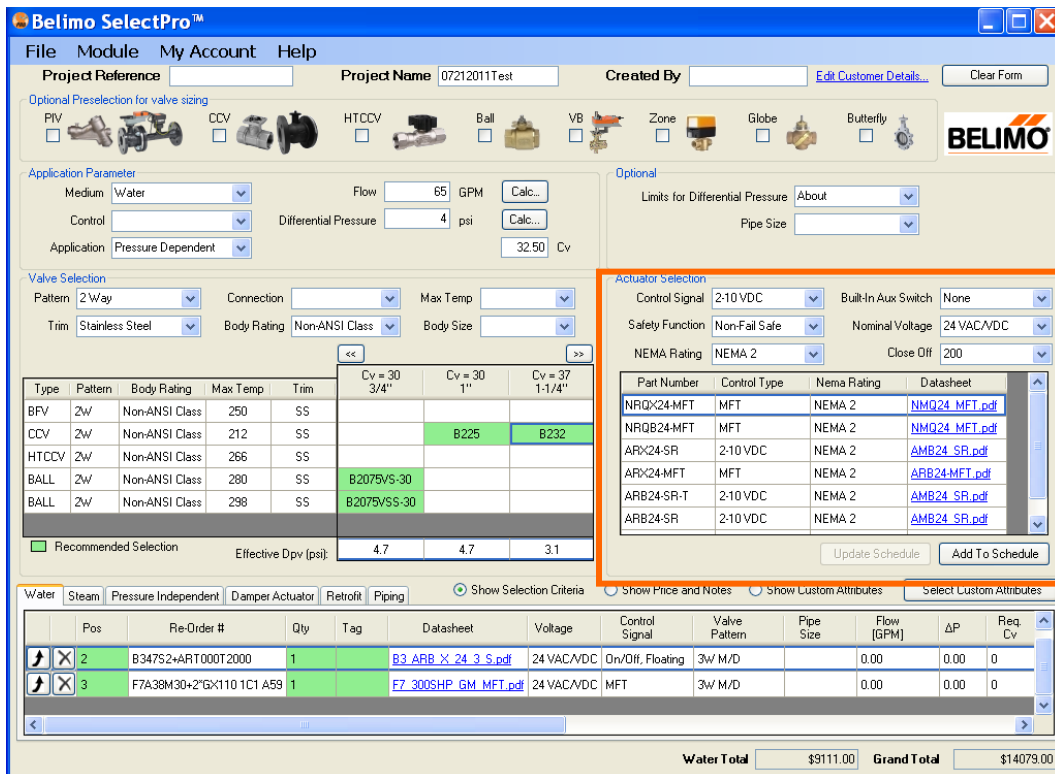
Type	Pattern	Body Rating	Max Temp	Trim	Cv = 196 2-1/2"	Cv = 302 3"	Cv = 600 4"
BFV	2W	Non-ANSI Class	250	SS	Select...	FB80HS	Select...

Recommended Selection

Velocity (fps): 11.4 7.9 4.5

Select will be displayed for the non-ANSI rated butterfly valves. Click **Select** to choose between the HD series (200/150 psi close off) or the HDU series (50 psi close off).

As a valve is selected, the available actuators for that valve will be displayed. These actuators can be further limited using the attribute values – **Control Signal, Safety Function, NEMA Rating, Built-in Aux Switch, and Nominal Voltage**. The **Close Off** for the combination will be displayed, or if there are several values for close-off, they can be selected here and will display actuators that achieve this close-off rating. If additional information is needed for the actuator types, select the Datasheet and the actuator PDF will be displayed.



Belimo SelectPro™

File Module My Account Help

Project Reference Project Name 07212011Test Created By Edit Customer Details... Clear Form

Optional Preselection for valve sizing

PIV CCV HTCCV Ball VB Zone Globe Butterfly

Application Parameter

Medium Water Flow 65 GPM Calc... Limits for Differential Pressure About

Control Differential Pressure 4 psi Calc... Pipe Size

Application Pressure Dependent 32.50 Cv

Valve Selection

Pattern: 2 Way Connection: Max Temp: Trim: Stainless Steel Body Rating: Non-ANSI Class Body Size: >>

Type	Pattern	Body Rating	Max Temp	Trim	Cv = 30 3/4"	Cv = 30 1"	Cv = 37 1-1/4"
BFV	2W	Non-ANSI Class	250	SS			
CCV	2W	Non-ANSI Class	212	SS		B225	B232
HTCCV	2W	Non-ANSI Class	266	SS			
BALL	2W	Non-ANSI Class	280	SS	B2075VS-30		
BALL	2W	Non-ANSI Class	298	SS	B2075VS-30		

Recommended Selection Effective Dpv (psi): 4.7 4.7 3.1

Actuator Selection

Control Signal: 2-10 VDC Built-In Aux Switch: None

Safety Function: Non-Fail Safe Nominal Voltage: 24 VAC/VDC

NEMA Rating: NEMA 2 Close Off: 200

Part Number	Control Type	Nema Rating	Datasheet
NRQ24-MFT	MFT	NEMA 2	NMQ24_MFT.pdf
NRQB24-MFT	MFT	NEMA 2	NMQ24_MFT.pdf
ARX24-SR	2-10 VDC	NEMA 2	AMB24_SR.pdf
ARQ24-MFT	MFT	NEMA 2	ARB24-MFT.pdf
ARB24-SR-T	2-10 VDC	NEMA 2	ARB24_SR.pdf
ARB24-SR	2-10 VDC	NEMA 2	ARB24_SR.pdf

Update Schedule Add To Schedule

Water Steam Pressure Independent Damper Actuator Retrofit Piping Show Selection Criteria Show Price and Notes Show Custom Attributes Select Custom Attributes

	Pos	Re-Order #	Qty	Tag	Datasheet	Voltage	Control Signal	Valve Pattern	Pipe Size	Flow [GPM]	ΔP	Req. Cv
	2	B347S2+ART000T2000	1		B3_ARB_X_24_3_S.pdf	24 VAC/VDC	On/Off, Floating	3W M/D		0.00	0.00	0
	3	F7A38M30+2"Gx110 1C1 A59	1		F7_300SHP_GM_MFT.pdf	24 VAC/VDC	MFT	3W M/D		0.00	0.00	0

Water Total \$9111.00 Grand Total \$14079.00

When an actuator is selected, select the **Add to Schedule** button. You can add 1 selection or press multiple times. When this is completed, the valves will be added in the project form. There are 3 tabs in the project form for the valve sizing module – **Water, Steam, Pressure Independent**. The valves selected for these applications will display in their respective forms.

Belimo SelectPro™

File Module My Account Help

Project Reference: [] Project Name: 07212011Test Created By: [] [Edit Customer Details...](#) Clear Form

Optional Preselection for valve sizing

PIV ☐ CCV ☐ HTCCV ☐ Ball ☐ VB ☐ Zone ☐ Globe ☐ Butterfly ☐

Application Parameter

Medium: Water Flow: 65 GPM Calc...
Control: [] Differential Pressure: 4 psi Calc...
Application: Pressure Dependent Cv: 32.50

Optional

Limits for Differential Pressure: About
Pipe Size: []

Valve Selection

Pattern: 2 Way Connection: [] Max Temp: []
Trim: Stainless Steel Body Rating: Non-ANSI Class Body Size: []

Type	Pattern	Body Rating	Max Temp	Trim	Cv = 30 3/4"	Cv = 30 1"	Cv = 37 1-1/4"
BFV	2W	Non-ANSI Class	250	SS			
CCV	2W	Non-ANSI Class	212	SS		B225	B232
HTCCV	2W	Non-ANSI Class	266	SS			
BALL	2W	Non-ANSI Class	280	SS	B2075VS-30		
BALL	2W	Non-ANSI Class	298	SS	B2075VS-30		

Recommended Selection Effective Dpv (psi): 4.7 4.7 3.1

Actuator Selection

Control Signal: 2-10 VDC Built-In Aux Switch: None
Safety Function: Non-Fail Safe Nominal Voltage: 24 VAC/VDC
NEMA Rating: NEMA 2 Close Off: 200

Part Number	Control Type	Nema Rating	Datasheet
NRQ24-MFT	MFT	NEMA 2	NRQ24_MFT.pdf
NRQB24-MFT	MFT	NEMA 2	NRQ24_MFT.pdf
ARX24-SR	2-10 VDC	NEMA 2	ARB24_SR.pdf
ARX24-MFT	MFT	NEMA 2	ARB24_MFT.pdf
ARB24-SR-T	2-10 VDC	NEMA 2	ARB24_SR.pdf
ARB24-SR	2-10 VDC	NEMA 2	ARB24_SR.pdf

Update Schedule Add To Schedule

Water Steam Pressure Independent Damper Actuator Retrofit Piping

Show Selection Criteria Show Price and Notes Show Custom Attributes Select Custom Attributes

	Pos	Re-Order #	Qty	Tag	Datasheet	Voltage	Control Signal	Valve Pattern	Pipe Size	Flow [GPM]	ΔP	Req. Cv
	2	B347S2+ART000T2000	1		B3_ARB_X_24_3_S.pdf	24 VAC/VDC	On/Off, Floating	3W M/D		0.00	0.00	0
	3	F7A38M30+2"GX110 1C1 A59	1		F7_300SHP_GM_MFT.pdf	24 VAC/VDC	MFT	3W M/D		0.00	0.00	0

Water Total \$9111.00 Grand Total \$14079.00

After the valve/actuator combination is displayed in the project form, select the **Set-up** and any additional data (such as P-codes) that are requested. When this is complete, the Belimo Re-Order number will display. This is the number that is recognized by our ordering system.

Belimo SelectPro™

File Module My Account Help

Project Reference Project Name 07212011Test Created By [Edit Customer Details...](#)

Optional Preselection for valve sizing

PIV ☐ CCV ☐ HTCCV ☐ Ball ☐ VB ☐ Zone ☐ Globe ☐ Butterfly ☐

Application Parameter

Medium Water Flow 65 GPM Control Differential Pressure 4 psi Application Pressure Dependent 32.50 Cv

Optional

Limits for Differential Pressure About Pipe Size

Valve Selection

Pattern 2-Way Connection Max Temp Trim Stainless Steel Body Rating Non-ANSI Class Body Size

Type	Pattern	Body Rating	Max Temp	Trim	Cv = 30 3/4"	Cv = 30 1"	Cv = 37 1-1/4"
BFV	2W	Non-ANSI Class	250	SS			
CCV	2W	Non-ANSI Class	212	SS		B225	B232
HTCCV	2W	Non-ANSI Class	266	SS			
BALL	2W	Non-ANSI Class	280	SS	B2075VS-30		
BALL	2W	Non-ANSI Class	298	SS	B2075VS-30		

Recommended Selection Effective Dpv (psi): 4.7 4.7 3.1

Actuator Selection

Control Signal 2-10 VDC Built-In Aux Switch None Safety Function Non-Fail Safe Nominal Voltage 24 VAC/VDC NEMA Rating NEMA 2 Close Off 200

Part Number	Control Type	Nema Rating	Datasheet
NRQX24-MFT	MFT	NEMA 2	NRQ24_MFT.pdf
NRQB24-MFT	MFT	NEMA 2	NRQ24_MFT.pdf
ARX24-SR	2-10 VDC	NEMA 2	ARB24_SR.pdf
ARX24-MFT	MFT	NEMA 2	ARB24-MFT.pdf
ARB24-SR-T	2-10 VDC	NEMA 2	ARB24_SR.pdf
ARB24-SR	2-10 VDC	NEMA 2	ARB24_SR.pdf

Update Schedule

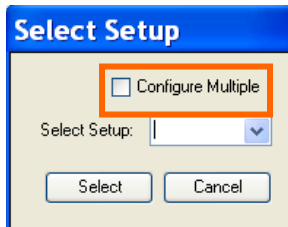
Water ☒ Steam ☐ Pressure Independent ☐ Damper Actuator ☐ Retrofit ☐ Piping ☐

Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes ☐ Select Custom Attributes

	Pos	Re-Order #	Qty	Tag	Datasheet	Voltage	Control Signal	Valve Pattern	Pipe Size	Flow [GPM]	ΔP	Req. Cv
<input checked="" type="checkbox"/>	2	B347S2+ART000T2000			B3_ARB_X_24_3_S.pdf	24 VAC/VDC	On/Off, Floating	3W M/D		0.00	0.00	0
<input checked="" type="checkbox"/>	3	F7A38M30+2"GX110 1C1 A58			F7_300SHP_GM_MFT.pdf	24 VAC/VDC	MFT	3W M/D		0.00	0.00	0

Water Total \$9111.00 Grand Total \$14079.00

When there are two or more items in the schedule, multiple setups and configurations can be done at the same time. Select **Configure Multiple**, then select which items you would like to configure, and then choose your configuration.

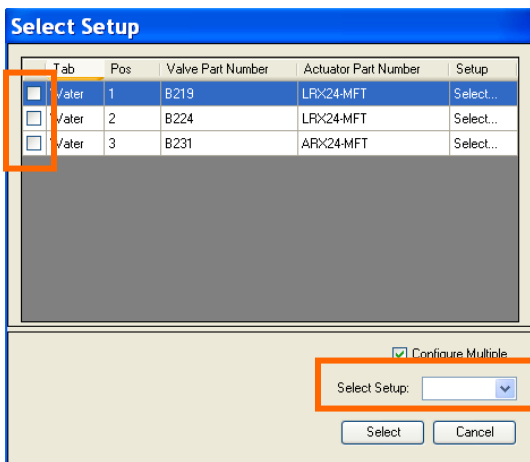


Select Setup

☐ Configure Multiple

Select Setup:

Select Cancel



Select Setup


Tab	Pos	Valve Part Number	Actuator Part Number	Setup
<input checked="" type="checkbox"/> Water	1	B219	LRX24-MFT	Select...
<input type="checkbox"/> Water	2	B224	LRX24-MFT	Select...
<input type="checkbox"/> Water	3	B231	ARX24-MFT	Select...

☒ Configure Multiple

Select Setup:

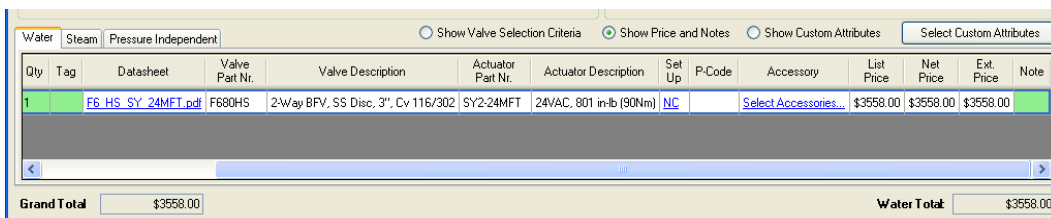
Select Cancel

The attributes that are displayed on the project form are adaptable. Two pre-sets of information are provided.



☒ Show Selection Criteria
 ☐ Show Price and Notes
 ☐ Show Custom Attributes
 [Select Custom Attributes](#)

Show Selection Criteria – shows technical information (see above screen shot)
Show Price and Notes – removes some of the valve technical information and displays the price and note fields. The **Note** field is an open entry field for your reference only.



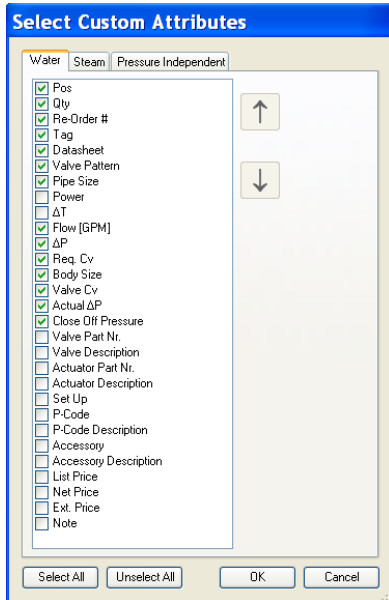
Water Steam Pressure Independent ☒ Show Valve Selection Criteria ☒ Show Price and Notes ☐ Show Custom Attributes [Select Custom Attributes](#)

Qty	Tag	Datasheet	Valve Part Nr.	Valve Description	Actuator Part Nr.	Actuator Description	Set Up	P-Code	Accessory	List Price	Net Price	Ext. Price	Note
1		F6_HS_SY_24MFT.pdf	F680HS	2-Way BFV, SS Disc, 3", Cv 116/302	SY2-24MFT	24VAC, 801 in-lb (90Nm)	NC		Select Accessories...	\$3558.00	\$3558.00	\$3558.00	

Grand Total \$3558.00 Water Total \$3558.00

Show Custom Attributes - this will allow the user to select what will be displayed from all available attributes and in what order. Attributes will vary based on each module.

Please note that the attributes that are displayed on the project form will also be displayed when the file is printed or exported to Excel!



Select Custom Attributes

Water | Steam | Pressure Independent

- ☒ Pos
- ☒ Qty
- ☒ Re-Order #
- ☒ Tag
- ☒ Datasheet
- ☒ Valve Pattern
- ☒ Pipe Size
- ☐ Power
- ☐ ΔT
- ☒ Flow [GPM]
- ☒ ΔP
- ☒ Req. Cv
- ☒ Body Size
- ☒ Valve Cv
- ☒ Actual ΔP
- ☒ Close Off Pressure
- ☐ Valve Part Nr.
- ☐ Valve Description
- ☐ Actuator Part Nr.
- ☐ Actuator Description
- ☐ Set Up
- ☐ P.Code
- ☐ P.Code Description
- ☐ Accessory
- ☐ Accessory Description
- ☐ List Price
- ☐ Net Price
- ☐ Ext. Price
- ☐ Note

Select All | Unselect All | OK | Cancel

Belimo SelectPro™

File Module My Account Help

Project Reference Project Name 07212011Test Created By [Edit Customer Details...](#)

Optional Preselection for valve sizing

PIV ☐ CCV ☐ HTCCV ☐ Ball ☐ VB ☐ Zone ☐ Globe ☐ Butterfly ☐

Application Parameter

Medium Water Flow 65 GPM Control Differential Pressure 4 psi Application Pressure Dependent 32.50 Cv

Optional

Limits for Differential Pressure About Pipe Size

Valve Selection

Pattern 2Way Connection Max Temp Trim Stainless Steel Body Rating Non-ANSI Class Body Size

Type	Pattern	Body Rating	Max Temp	Trim	Cv = 30 3/4"	Cv = 30 1"	Cv = 37 1-1/4"
BFV	2W	Non-ANSI Class	250	SS			
CCV	2W	Non-ANSI Class	212	SS		B225	B232
HTCCV	2W	Non-ANSI Class	266	SS			
BALL	2W	Non-ANSI Class	280	SS	B2075VS-30		
BALL	2W	Non-ANSI Class	298	SS	B2075VSS-30		

Recommended Selection Effective Dpv (psi): 4.7 4.7 3.1

Actuator Selection

Control Signal 2-10 VDC Built-In Aux Switch None Safety Function Non-Fail Safe Nominal Voltage 24 VAC/VDC NEMA Rating NEMA 2 Close Off 200

Part Number	Control Type	Nema Rating	Datasheet
NRQX24-MFT	MFT	NEMA 2	NMQ24_MFT.pdf
NRQB24-MFT	MFT	NEMA 2	NMQ24_MFT.pdf
ARX24-SR	2-10 VDC	NEMA 2	ARB24_SR.pdf
ARX24-MFT	MFT	NEMA 2	ARB24-MFT.pdf
ARB24-SR-T	2-10 VDC	NEMA 2	ARB24_SR.pdf
ARB24-SR	2-10 VDC	NEMA 2	ARB24_SR.pdf

Update Schedule Add To Schedule

Water Steam Pressure Independent Dampers Actuators Release Piping

Show Selection Criteria Show Price and Notes Show Custom Attributes Select Custom Attributes

	Pos	Re-Order #	Qty	Tag	Datasheet	Voltage	Control Signal	Valve Pattern	Pipe Size	Flow [GPM]	ΔP	Req Cv
	2	B34752+ART000T2000	1		B34752 X 24 3 S.pdf	24 VAC/VDC	On/Off, Floating	3W M/D		0.00	0.00	0
	3	F7A38M30+2"GX110 1C1 A59	1		F7 30 SHP GM MFT.pdf	24 VAC/VDC	MFT	3W M/D		0.00	0.00	0

Water Total \$9111.00 Grand Total \$14079.00

From the left:

The arrow button will upload the sizing data to the top of the form for easy viewing and any desired modifications. When changes are completed, click **Update Schedule** to carry the changes to the project schedule.

The X button will delete an entry.

Pos - Numerical position on sheet (1,2,3,...). The order can be modified by changing the numerical value.

Water Steam Pressure Independent

	Pos	Re-Order #	Qty	Tag	Datasheet
	1	F6C132+SY42-MFT0000	1		F6 HS SY 24MFT.pdf
	2	B229S2+LRB24-SR	1		B2 LRB24 SR.pdf
	3	B238S2+ARB24-SR-T	1		B2 ARB24 SR.pdf

If a piping package is required for the valve selected, click on **Configure Piping** to the far right of the line item. This will bring you to the Piping Package module for the configuration of the piping package. Note that it only applies to 2 way CCV valves up to 2", 3 way CCV valves, PICCV valves up to 2", and zone valves.

For more details on configuring piping packages, please go to section **Operation of SelectPro™ – Piping Package Selection Module**.

Flow [GPM]	ΔP	Req. Cv	Body Size	Valve Cv	Actual ΔP	Close Off Pressure	Valve Part Nr.	Actuator Part Nr.	Set Up	P-Code	Accessory	Piping Package
0.00	0.00	0	1"	7.4	0	200	B222	LRB24-SR	Select...		Select Accessories...	Configure Piping...

Grand Total: \$332.88 Water Total: \$110.58

To select another valve, use the **Clear Form** button or adjust only the attributes needed for the next valve. Ex: GPM. The actuator selection criteria will remain on the screen unless the **Clear Form** button is clicked.

The individual tab **Total** (Water, Steam, Pressure Independent, Damper Actuator, Retrofit, Piping Package) will be displayed in the lower right hand side of the screen and the **Grand Total** of all tabs (Water, Steam, Pressure Independent, Damper Actuator, Retrofit, Piping Package) will be displayed in the lower left hand side of the screen.

Belimo SelectPro™

File Module My Account Help

Project Reference: _____ Project Name: _____ Created By: _____

Optional Preselection for valve sizing: PIV, CCV, HTCCV, Ball, Zone, Globe, Butterfly

Application Parameter: Medium: Water, Flow: _____ GPM, Differential Pressure: _____ psi, Application: Pressure Dependent, Cv: _____

Valve Selection: Pattern: _____, Connection: _____, Max Temp: _____, Trim: _____, Body Rating: _____, Body Size: _____

Actuator Selection: Control Signal: _____, Built-In Aux Switch: _____, Safety Function: _____, Nominal Voltage: _____, NEMA Rating: _____, Close Off: _____

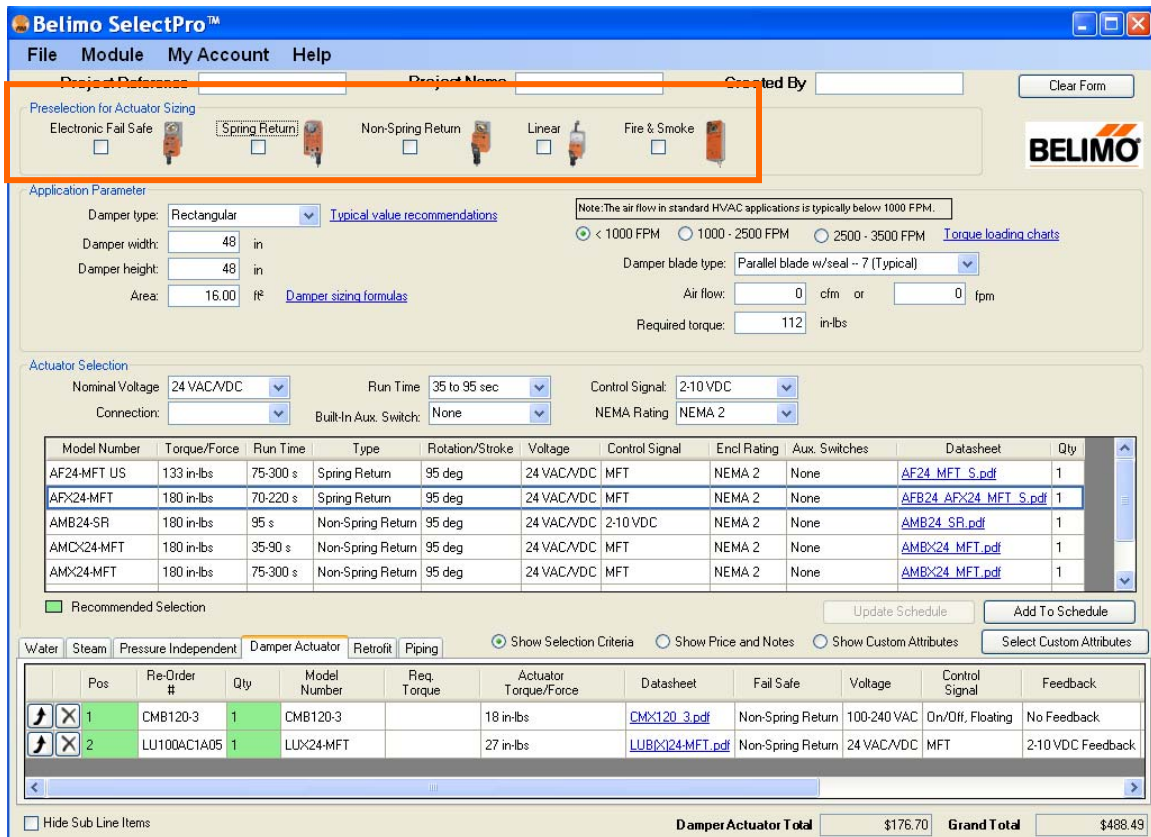
Type	Pattern	Body Rating	Max Temp	Trim	Cv = 0.29 1/2"	Cv = 0.3 1/2"	Cv = 0.4 1/2"
BFV	2w	Non-ANSI Class	250	SS			
BFV	3w M/D	Non-ANSI Class	250	SS			
BFV	3w M/D	ANSI 125/150	250	SS			
BFV	2w	ANSI 125/150	450	SS			
BFV	3w M/D	ANSI 125/150	450	SS			
BFV	2w	ANSI 250/300	450	SS			

Recommended Selection: _____ Effective Dp (psi): _____

Pos	Re-Order #	Qty	Tag	Datasheet	Valve Pattern	Pipe Size	Flow [GPM]	ΔP	Req. Cv	Body Size	Valve Cv	Actu ΔP
1	B223S2-LR0300C1002	1		B2 LRX24 SR.pdf	2W		0.00	0.00	0	1"	10	0
2	F6D1D24SY42-MFT0000ACE			F6 HD SY 24MFT.pdf	2W		0.00	0.00	0	4"	600	0

Grand Total: \$10536.00 Water Total: \$4016.00

Operation of SelectPro™ - Damper Actuator Sizing Module



Belimo SelectPro™

File Module My Account Help

Project Reference Project Name Created By Clear Form

Preselection for Actuator Sizing

Electronic Fail Safe ☐ **Spring Return** ☒ Non-Spring Return ☐ Linear ☐ Fire & Smoke ☐

Application Parameter

Damper type: Rectangular Typical value recommendations

Damper width: 48 in

Damper height: 48 in

Area: 16.00 ft²

Note: The air flow in standard HVAC applications is typically below 1000 FPM.

☒ < 1000 FPM ☐ 1000 - 2500 FPM ☐ 2500 - 3500 FPM

Damper blade type: Parallel blade w/seal -- 7 (Typical)

Air flow: 0 cfm or 0 fpm

Required torque: 112 in-lbs

Actuator Selection

Nominal Voltage: 24 VAC/VDC Run Time: 35 to 95 sec Control Signal: 2-10 VDC

Connection: Built-In Aux. Switch: None NEMA Rating: NEMA 2

Model Number	Torque/Force	Run Time	Type	Rotation/Stroke	Voltage	Control Signal	Encl Rating	Aux. Switches	Datasheet	Qty
AF24-MFT US	133 in-lbs	75-300 s	Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AF24_MFT_S.pdf	1
AFX24-MFT	180 in-lbs	70-220 s	Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AFB24_AFX24_MFT_S.pdf	1
AMB24-SR	180 in-lbs	95 s	Non-Spring Return	95 deg	24 VAC/VDC	2-10 VDC	NEMA 2	None	AMB24_SR.pdf	1
AMC24-MFT	180 in-lbs	35-90 s	Non-Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AMB24_MFT.pdf	1
AMX24-MFT	180 in-lbs	75-300 s	Non-Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AMB24_MFT.pdf	1

☒ Recommended Selection

Update Schedule Add To Schedule

Water Steam Pressure Independent **Damper Actuator** Retrofit Piping

☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes

Select Custom Attributes

Pos	Re-Order #	Qty	Model Number	Req. Torque	Actuator Torque/Force	Datasheet	Fail Safe	Voltage	Control Signal	Feedback
1	CMB120-3	1	CMB120-3	18 in-lbs	18 in-lbs	CMB120_3.pdf	Non-Spring Return	100-240 VAC	On/Off, Floating	No Feedback
2	LU100AC1A05	1	LUX24-MFT	27 in-lbs	27 in-lbs	LUB24-MFT.pdf	Non-Spring Return	24 VAC/VDC	MFT	2-10 VDC Feedback

☐ Hide Sub Line Items

Damper Actuator Total \$176.70 **Grand Total** \$488.49

In the damper actuator sizing module, the **Preselection for Actuator Sizing** is also optional. **Electronic Fail Safe, Spring Return, Non-Spring Return** or **Linear** can be selected to narrow down the search.

Selecting **Fire & Smoke** will bring up the Fire & Smoke Cross Reference link, but fire & smoke actuators can not be selected through this software on new applications. They can only be factory mounted onto the damper.

Belimo SelectPro™

File Module My Account Help

Project Reference: Project Name: Created By: Clear Form

Preselection for Actuator Sizing

Electronic Fail Safe ☐ ☒ (Spring Return) ☐ Non-Spring Return ☐ Linear ☐ Fire & Smoke ☐

Application Parameter

Damper type: Rectangular Typical value recommendations

Damper width: 48 in

Damper height: 48 in

Area: 16.00 ft² Damper sizing formulas

Note: The air flow in standard HVAC applications is typically below 1000 FPM.

☒ < 1000 FPM ☐ 1000 - 2500 FPM ☐ 2500 - 3500 FPM Torque loading charts

Damper blade type: Parallel blade w/seal - 7 (Typical)

Air flow: 0 cfm or 0 fpm

Required torque: 112 in-lbs

Actuator Selection

Nominal Voltage: 24 VAC/VDC Run Time: 35 to 95 sec Control Signal: 2-10 VDC

Connection: Built-In Aux. Switch: None NEMA Rating: NEMA 2

Model Number	Torque/Force	Run Time	Type	Rotation/Stroke	Voltage	Control Signal	End Rating	Aux. Switches	Datasheet	Qty
AF24-MFT US	133 in-lbs	75-300 s	Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AF24 MFT S.pdf	1
AF24-MFT	180 in-lbs	70-220 s	Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AF24 AF24 MFT S.pdf	1
AMB24-SR	180 in-lbs	95 s	Non-Spring Return	95 deg	24 VAC/VDC	2-10 VDC	NEMA 2	None	AMB24 SR.pdf	1
AMC24-MFT	180 in-lbs	35-90 s	Non-Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AMB24 MFT.pdf	1
AM24-MFT	180 in-lbs	75-300 s	Non-Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AMB24 MFT.pdf	1

☒ Recommended Selection

Update Schedule Add To Schedule

Water Steam Pressure Independent Damper Actuator Retrofit Piping ☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes Select Custom Attributes

	Pos	Re-Order #	Qty	Model Number	Req. Torque	Actuator Torque/Force	Datasheet	Fail Safe	Voltage	Control Signal	Feedback
<input checked="" type="checkbox"/>	1	CMB120-3	1	CMB120-3		18 in-lbs	CMB120_3.pdf	Non-Spring Return	100-240 VAC	On/Off, Floating	No Feedback
<input checked="" type="checkbox"/>	2	LU100AC1A05	1	LUX24-MFT		27 in-lbs	LUX24-MFT.pdf	Non-Spring Return	24 VAC/VDC	MFT	2-10 VDC Feedback

☐ Hide Sub Line Items

Damper Actuator Total \$176.70 Grand Total \$488.49

The application information is entered in the **Application Parameter** area. This will determine the required torque for the application.

Damper Type – Select rectangular or round from the drop down menu.

Damper width and height – Enter the damper dimensions in inches.

Area – Displays the total calculated damper area in ft² based on the dimensions entered, or enter the total area value if known.

Damper blade type – Select the application's damper blade type from the drop down menu. The torque load for each type is displayed based on the air flow value. The manufacturer's load torque rating can also be entered if known.

Air flow – Enter the application's air flow value in CFM or in FPM, or select the air flow range from the three options available. Note that the air flow in standard HVAC applications is typically below 1000 FPM.

Required Torque – Displays the total torque required for the application, or enter the required torque value if known.





Support links (**Typical value recommendations**, **Damper sizing formulas**, **Torque loading charts**) are available for reference.

Belimo SelectPro™

File Module My Account Help

Project Reference: Project Name: Created By:

Preselection for Actuator Sizing

Electronic Fail Safe ☐  ☒ Spring Return  Non-Spring Return ☐  Linear ☐  Fire & Smoke ☐

Application Parameter

Damper type: Rectangular Note: The air flow in standard HVAC applications is typically below 1000 FPM.

Damper width: 48 in

Damper height: 48 in

Area: 16.00 ft²

Damper blade type: Parallel blade w/seal -- 7 (Typical)

Air flow: 0 cfm or 0 fpm

Required torque: 112 in-lbs

Actuator Selection



Nominal Voltage: 24 VAC/VDC Run Time: 35 to 95 sec Control Signal: 2-10 VDC

Connection: Built-In Aux. Switch: None NEMA Rating: NEMA 2

Model Number	Torque/Force	Run Time	Type	Rotation/Stroke	Voltage	Control Signal	Encl Rating	Aux. Switches	Datasheet	Qty
AF24-MFT US	133 in-lbs	75-300 s	Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AF24_MFT_S.pdf	1
AF24-MFT	180 in-lbs	70-220 s	Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AFB24_AFX24_MFT_S.pdf	1
AMB24-SR	180 in-lbs	95 s	Non-Spring Return	95 deg	24 VAC/VDC	2-10 VDC	NEMA 2	None	AMB24_SR.pdf	1
AMC24-MFT	180 in-lbs	35-90 s	Non-Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AMB24_MFT.pdf	1
AMX24-MFT	180 in-lbs	75-300 s	Non-Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AMB24_MFT.pdf	1

☒ Recommended Selection

Water Steam Pressure Independent Damper Actuator Retrofit Piping ☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes

	Pos	Re-Order #	Qty	Model Number	Req. Torque	Actuator Torque/Force	Datasheet	Fail Safe	Voltage	Control Signal	Feedback
	1	CMB120-3	1	CMB120-3		18 in-lbs	CMX120_3.pdf	Non-Spring Return	100-240 VAC	On/Off, Floating	No Feedback
	2	LU100ACT1A05	1	LU24-MFT		27 in-lbs	LUBX24-MFT.pdf	Non-Spring Return	24 VAC/VDC	MFT	2-10 VDC Feedback

☐ Hide Sub Line Items

Damper Actuator Total \$176.70 Grand Total \$498.49

Once the required torque is determined, the results can be filtered down by selecting the following actuator attributes – **Nominal Voltage, Connection, Run Time, Built-in Aux Switch, Control Signal** and **NEMA Rating** (and **Stroke Length** for linear actuators). The technical data sheet for each actuator is available under the **Datasheet** column.

A preselection has to be checked and all the actuator selection criteria have to be complete for SelectPro™ to recommend an actuator (in green).

Belimo SelectPro™

File Module My Account Help

Project Reference: Project Name: Created By:

Preselection for Actuator Sizing

Electronic Fail Safe ☐ Spring Return ☒ Non-Spring Return ☐ Linear ☐ Fire & Smoke ☐

Application Parameter

Damper type: Rectangular Note: The air flow in standard HVAC applications is typically below 1000 FPM.

Damper width: 48 in

Damper height: 48 in

Area: 16.00 ft²

Damper blade type: Parallel blade w/seal -- 7 (Typical)

Air flow: 0 cfm or 0 fpm

Required torque: 112 in-lbs

Actuator Selection

Nominal Voltage: 24 VAC/VDC Run Time: 35 to 95 sec Control Signal: 2-10 VDC

Connection: Built-In Aux. Switch: None NEMA Rating: NEMA 2

Model Number	Torque/Force	Run Time	Type	Rotation/Stroke	Voltage	Control Signal	Encl Rating	Aux. Switches	Datasheet	Qty
AF24-MFT US	133 in-lbs	75-300 s	Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AF24_MFT_S.pdf	1
AF24-MFT	180 in-lbs	70-220 s	Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AF24_MFT_S.pdf	1
AMB24-SR	180 in-lbs	95 s	Non-Spring Return	95 deg	24 VAC/VDC	2-10 VDC	NEMA 2	None	AMB24_SR.pdf	1
AMC24-MFT	180 in-lbs	35-90 s	Non-Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AMB24_MFT.pdf	1
AMX24-MFT	180 in-lbs	75-300 s	Non-Spring Return	95 deg	24 VAC/VDC	MFT	NEMA 2	None	AMB24_MFT.pdf	1

☒ Recommended Selection

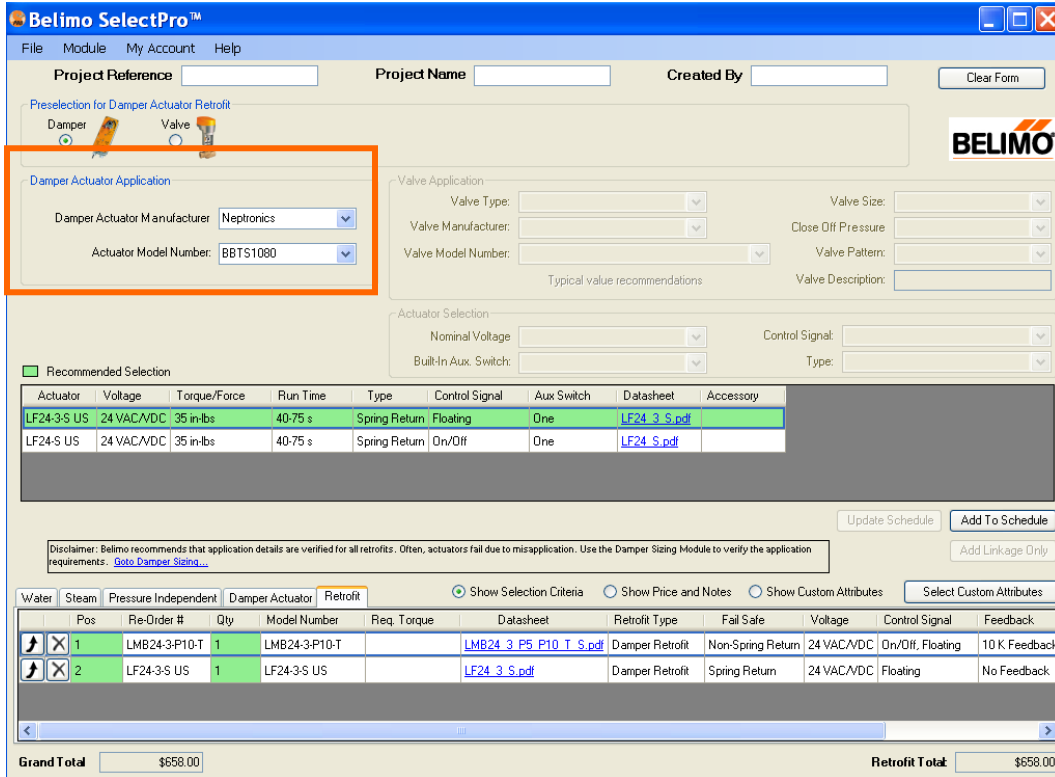
Water Steam Pressure Independent Damper Actuator Retrofit Piping ☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes

	Pos	Re-Order #	Qty	Model Number	Req. Torque	Actuator Torque/Force	Datasheet	Fail Safe	Voltage	Control Signal	Feedback
<input checked="" type="checkbox"/>	1	CMB120-3	1	CMB120-3		18 in-lbs	CMX120_3.pdf	Non-Spring Return	100-240 VAC	On/Off, Floating	No Feedback
<input checked="" type="checkbox"/>	2	LU100ACT1A05	1	LU24-MFT		27 in-lbs	LUBX24-MFT.pdf	Non-Spring Return	24 VAC/VDC	MFT	2-10 VDC Feedback

☐ Hide sub-item items **Damper Actuator Total** \$176.70 **Grand Total** \$488.43

The desired actuator is added to the schedule by clicking the **Add To Schedule** button, or with a double left mouse click on the actuator. P-code configuration is required for MFT type actuators.

Selecting **Damper** will enable the damper actuator replacement application.



Belimo SelectPro™

File Module My Account Help

Project Reference Project Name Created By

Preselection for Damper Actuator Retrofit

☒ Damper ☐ Valve

Damper Actuator Application

Damper Actuator Manufacturer:

Actuator Model Number:

Valve Application

Valve Type: Valve Size:

Valve Manufacturer: Close Off Pressure:

Valve Model Number: Valve Pattern:

Typical value recommendations

Valve Description:

Actuator Selection

Nominal Voltage: Control Signal:

Built-In Aux. Switch: Type:

☒ Recommended Selection

Actuator	Voltage	Torque/Force	Run Time	Type	Control Signal	Aux Switch	Datasheet	Accessory
LF24-3-S US	24 VAC/VDC	35 in-lbs	40-75 s	Spring Return	Floating	One	LF24_3_S.pdf	
LF24-S US	24 VAC/VDC	35 in-lbs	40-75 s	Spring Return	On/Off	One	LF24_S.pdf	

Disclaimer: Belimo recommends that application details are verified for all retrofits. Often, actuators fail due to misapplication. Use the Damper Sizing Module to verify the application requirements. [Goto Damper Sizing...](#)

☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes

Water	Steam	Pressure Independent	Damper Actuator	Retrofit	Pos	Re-Order #	Qty	Model Number	Req. Torque	Datasheet	Retrofit Type	Fail Safe	Voltage	Control Signal	Feedback
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	LMB24-3-P10-T	1	LMB24-3-P10-T		LMB24_3_P5_P10_T_S.pdf	Damper Retrofit	Non-Spring Return	24 VAC/VDC	On/Off, Floating	10 K Feedback
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	LF24-3-S US	1	LF24-3-S US		LF24_3_S.pdf	Damper Retrofit	Spring Return	24 VAC/VDC	Floating	No Feedback

Grand Total: \$658.00 Retrofit Total: \$658.00

Select a manufacturer from the **Damper Actuator Manufacturer** drop down and a model number from the **Actuator Model Number** drop down.

Belimo SelectPro™

File Module My Account Help

Project Reference: Project Name: Created By:

Preselection for Damper Actuator Retrofit

☒ Damper ☐ Valve

Damper Actuator Application

Damper Actuator Manufacturer: Actuator Model Number:

Valve Application

Valve Type: Valve Size:
 Valve Manufacturer: Close Off Pressure:
 Valve Model Number: Valve Pattern:
 Typical value recommendations Valve Description:

Actuator Selection

Nominal Voltage: Control Signal:
 Built-In Aux. Switch: Type:

☒ Recommended Selection

Actuator	Voltage	Torque/Force	Run Time	Type	Control Signal	Aux Switch	Datasheet	Accessory
LF24-3-S US	24 VAC/VDC	35 in-lbs	40-75 s	Spring Return	Floating	One	LF24_3_S.pdf	
LF24-S US	24 VAC/VDC	35 in-lbs	40-75 s	Spring Return	On/Off	One	LF24_S.pdf	

Disclaimer: Belimo recommends that application details are verified for all retrofits. Often, actuators fail due to misapplication. Use the Damper Sizing Module to verify the application requirements. [Go to Damper Sizing...](#)

☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes

Water	Steam	Pressure Independent	Damper Actuator	Retrofit	Pos	Re-Order #	Qty	Model Number	Req. Torque	Datasheet	Retrofit Type	Fail Safe	Voltage	Control Signal	Feedback
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	LMB24-3-P10-T	1	LMB24-3-P10-T		LMB24_3_P5_P10_T_S.pdf	Damper Retrofit	Non-Spring Return	24 VAC/VDC	On/Off, Floating	10 K Feedback
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	LF24-3-S US	1	LF24-3-S US		LF24_3_S.pdf	Damper Retrofit	Spring Return	24 VAC/VDC	Floating	No Feedback

Grand Total \$658.00 **Retrofit Total** \$658.00

The recommended replacement will be displayed in green, and alternative replacements, if any, will be displayed in white. Application notes will be displayed below the table when applicable.

Click **Add To Schedule** or double left mouse click on the desired actuator to add it to the schedule.

Selecting **Valve** will enable the valve retrofit application.

Project Reference

Preselection for Damper Actuator Retrofit

☐ Damper 
☒ Valve 

Damper Actuator Application

Damper Actuator Manufacturer:



Actuator Model Number:

Belimo SelectPro™

File Module My Account Help

Project Reference **Project Name** **Created By**

Preselection for Damper Actuator Retrofit

☐ Damper 
☒ Valve 

Damper Actuator Application

Damper Actuator Manufacturer:

Actuator Model Number:

Valve Application

Valve Type: Valve Size:

Valve Manufacturer: Close Off Pressure:

Valve Model Number: Valve Pattern:

Valve Description:

Actuator Selection

Nominal Voltage: Control Signal:

Built-In Aux. Switch: Type:

☒ Recommended Selection

Actuator	Voltage	Torque/Force	Run Time	Type	Control Signal	Aux Switch	Close Off	Datasheet	Act Qty	Linkage
GMB24-3	24 VAC/VDC	360 in-lbs	150 s	Non-Spring Return	On/Off, Floating	None	250 psi	GMB24_3.pdf	1	UGLK1402
GMB24-MFT	24 VAC/VDC	360 in-lbs	100-300 s	Non-Spring Return	MFT	None	250 psi	GMB24_MFT.pdf	1	UGLK1402
GMB24-SR	24 VAC/VDC	360 in-lbs	150 s	Non-Spring Return	2-10 VDC	None	250 psi	GMB24_SR.pdf	1	UGLK1402
GMBK120-3	100-240 VAC	360 in-lbs	150 s	Non-Spring Return	On/Off, Floating	None	250 psi	GMBK120_3.pdf	1	UGLK1402

Disclaimer: Belimo recommends that application details are verified for all retrofits. Before ordering your valve retrofit kit, please check and confirm the linkage performance criteria (close-off, size, actuator...)

☒ Water ☐ Steam ☐ Pressure Independent ☐ Damper Actuator ☒ Retrofit

☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes

	Pos	Re-Order #	Qty	Model Number	Req. Torque	Datasheet	Retrofit Type	Fail Safe	Voltage	Control Signal	Feedback
	1	AF120 US	1	AF120 US		AF120_S_AF230_S.pdf	Valve Retrofit	Spring Return	120 VAC	On/Off	No Feedback
	1.1	UGLK1402	1								
	2	GMB24-MFT	1	GMB24-MFT		GMB24_MFT.pdf	Valve Retrofit	Non-Spring Return	24 VAC/VDC	MFT	2-10 VDC Feed
	2.1	UGLK1402	1								

Grand Total **Retrofit Total**

In the Valve Application section, select the **Valve Type**, **Valve Manufacturer**, **Valve Model Number**, **Valve Size**, **Close Off Pressure** and **Valve Pattern** (if necessary). If a description exists for the selected valve, it will be displayed in the **Valve Description** window.

Belimo SelectPro™

File Module My Account Help

Project Reference Project Name Created By

Preselection for Damper Actuator Retrofit

☐ Damper ☒ Valve

Valve Application

Valve Type: Valve Size:

Valve Manufacturer: Close Off Pressure:

Valve Model Number: Valve Pattern:

Valve Description:

Actuator Selection

Nominal Voltage: Control Signal:

Built-In Aux. Switch: Type:

☒ Recommended Selection

Actuator	Voltage	Torque/Force	Run Time	Type	Control Signal	Aux Switch	Close Off	Datasheet	Act Qty	Linkage
GMB24-3	24 VAC/VDC	360 in-lbs	150 s	Non-Spring Return	On/Off, Floating	None	250 psi	GMB24_3.pdf	1	UGLK1402
GMB24-MFT	24 VAC/VDC	360 in-lbs	100-300 s	Non-Spring Return	MFT	None	250 psi	GMB24_MFT.pdf	1	UGLK1402
GMB24-SR	24 VAC/VDC	360 in-lbs	150 s	Non-Spring Return	2-10 VDC	None	250 psi	GMB24_SR.pdf	1	UGLK1402
GMB120-3	100-240 VAC	360 in-lbs	150 s	Non-Spring Return	On/Off, Floating	None	250 psi	GMB120_3.pdf	1	UGLK1402

Disclaimer: Belimo recommends that application details are verified for all retrofits. Before ordering your valve retrofit kit, please check and confirm the linkage performance criteria (close-off, size, actuator...)

☒ Water ☐ Steam ☐ Pressure Independent ☒ Damper Actuator ☐ Retrofit

☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes

	Pos	Re-Order #	Qty	Model Number	Req. Torque	Datasheet	Retrofit Type	Fail Safe	Voltage	Control Signal	Feedback
<input checked="" type="checkbox"/>	1	AF120 US	1	AF120 US		AF120_S_AF230_S.pdf	Valve Retrofit	Spring Return	120 VAC	On/Off	No Feedback
<input checked="" type="checkbox"/>	1.1	UGLK1402	1								
<input checked="" type="checkbox"/>	2	GMB24-MFT	1	GMB24-MFT		GMB24_MFT.pdf	Valve Retrofit	Non-Spring Return	24 VAC/VDC	MFT	2-10 VDC Feed

Grand Total \$1976.00 **Retrofit Total** \$1976.00

Enter the **Nominal Voltage**, **Built-In Aux Switch**, **Control Signal** and **Type** in the **Actuator Selection** section to refine the results. If all the fields are filled out, then an actuator and linkage combination will be recommended in green.

Belimo SelectPro™

File Module My Account Help

Project Reference Project Name Created By

Preselection for Damper Actuator Retrofit

☐ Damper ☒ Valve

BELIMO

Damper Actuator Application

Damper Actuator Manufacturer

Actuator Model Number

Valve Application

Valve Type: Valve Size:

Valve Manufacturer: Close Off Pressure:

Valve Model Number: Valve Pattern:

Valve Description:

Actuator Selection

Nominal Voltage: Control Signal:

Built-In Aux. Switch: Tune:

Recommended Selection

Actuator	Voltage	Torque/Force	Run Time	Type	Control Signal	Aux Switch	Close Off	Datasheet	Act Qty	Linkage
GMB24-3	24 VAC/VDC	360 in-lbs	150 s	Non-Spring Return	On/Off, Floating	None	250 psi	GMB24_3.pdf	1	UGLK1402
GMB24-MFT	24 VAC/VDC	360 in-lbs	100-300 s	Non-Spring Return	MFT	None	250 psi	GMB24_MFT.pdf	1	UGLK1402
GMB24-SR	24 VAC/VDC	360 in-lbs	150 s	Non-Spring Return	2-10 VDC	None	250 psi	GMB24_SR.pdf	1	UGLK1402
GMB24-3	100-240 VAC	360 in-lbs	150 s	Non-Spring Return	On/Off, Floating	None	250 psi	GMB24_3.pdf	1	UGLK1402

Disclaimer: Belimo recommends that application details are verified for all retrofits. Before ordering your valve retrofit kit, please check and confirm the linkage performance criteria (close-off, size, actuator...)

☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes

Water	Steam	Pressure Independent	Damper Actuator	Retrofit	Pos	Re-Order #	Qty	Model Number	Req. Torque	Datasheet	Retrofit Type	Fail Safe	Voltage	Control Signal	Feedback
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	AF120 US	1	AF120 US		AF120_S_AF230_S.pdf	Valve Retrofit	Spring Return	120 VAC	On/Off	No Feedback
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.1	UGLK1402	1								
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	GMB24-MFT	1	GMB24-MFT		GMB24_MFT.pdf	Valve Retrofit	Non-Spring Return	24 VAC/VDC	MFT	2-10 VDC Feed

Grand Total \$1976.00 **Retrofit Total** \$1976.00

The table will display the actuator and linkage combination to achieve the close off pressure required or higher. The combination actuator/linkage can be added to the schedule or the linkage on its own by clicking **Add Linkage Only**.

Operation of SelectPro™ - Piping Package Selection Module

Belimo SelectPro™

File Module My Account Help

Project Reference Project Name Created By Clear Form

☒ Valve Piping Package ☐ Components Only

Click image to view PDF

Valve Type: CCV 2-Way Valve Model Number: B218

Valve Size: 3/4" Valve Location: ☒ Return ☐ Supply

Run Out Pipe Size: 1" Extension components required? ☐

Coil Size: 1" Design flow rate: 10 Range 7.4 to 17.47 GPM

Package Selection

Return Side: Union ☒ P/T Port 1" F NPT 3/4" M NPT

Manual Balance ☒ P/T Port 1" F NPT 3/4" M NPT

Supply Side: Strainer ☒ P/T port 1" F NPT 1" M NPT

Hoses: Hoses Hose Size: 1" x 18"

What is a standard piping package? Update Schedule Add To Schedule

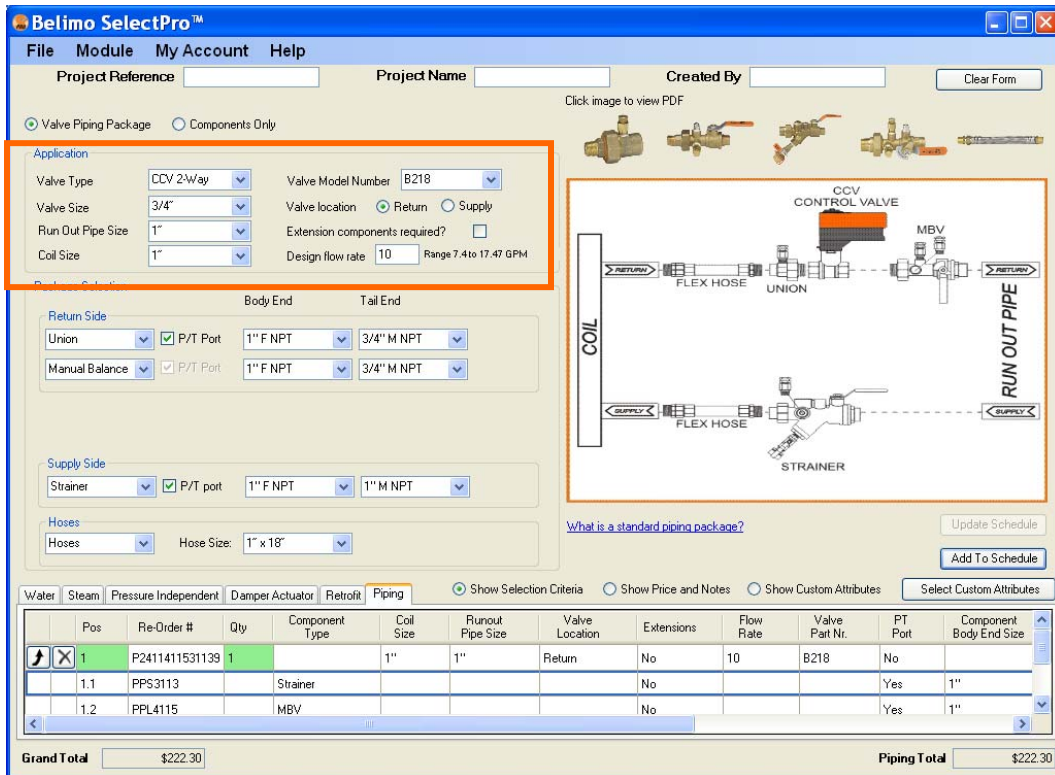
Water Steam Pressure Independent Damper Actuator Retrofit Piping ☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes Select Custom Attributes

	Pos	Re-Order #	Qty	Component Type	Coil Size	Runout Pipe Size	Valve Location	Extensions	Flow Rate	Valve Part Nr.	PT Port	Component Body End Size
	1	P2411411531138	1		1"	1"	Return	No	10	B218	No	
	1.1	PPS3113		Strainer				No			Yes	1"
	1.2	PPL4115		MBV				No			Yes	1"

Grand Total \$222.30 Piping Total \$222.30

A preselection of either **Valve Piping Package** or **Components Only** is required. If this module was accessed through selecting **Configure Piping** in the valve selection module, it will default to the **Valve Piping Package** selection.

Selecting **Valve Piping Package** will enable the application fields.



Belimo SelectPro™

File Module My Account Help

Project Reference Project Name Created By Clear Form

Click image to view PDF

☒ Valve Piping Package ☐ Components Only

Application

Valve Type: CCV 2-Way Valve Model Number: B218

Valve Size: 3/4" Valve Location: ☒ Return ☐ Supply

Run Out Pipe Size: 1" Extension components required? ☐

Coil Size: 1" Design flow rate: 10 Range 7.4 to 17.47 GPM

Return Side

Body End Tail End

Union ☒ P/T Port 1" F NPT 3/4" M NPT

Manual Balance ☒ P/T Port 1" F NPT 3/4" M NPT

Supply Side

Strainer ☒ P/T port 1" F NPT 1" M NPT

Hoses

Hoses Hose Size: 1" x 18"

What is a standard piping package? [Update Schedule](#) [Add To Schedule](#)

Water Steam Pressure Independent Damper Actuator Retrofit Piping ☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes [Select Custom Attributes](#)

	Pos	Re-Order #	Qty	Component Type	Coil Size	Runout Pipe Size	Valve Location	Extensions	Flow Rate	Valve Part Nr.	PT Port	Component Body End Size
1		P2411411531138	1		1"	1"	Return	No	10	B218	No	
1.1		PPS3113		Strainer				No			Yes	1"
1.2		PPL4115		MBV				No			Yes	1"

Grand Total \$222.30 **Piping Total** \$222.30

Select the **Valve Type**, **Valve Model Number**, **Run Out Pipe Size**, **Coil Size** and **Valve Location**. Check the box for **Extension Components Required** if extended handles and air vents are required. Enter the **Design Flow Rate** for your application. An available range will be displayed once the Manual Balance Valve size is entered. The **Valve Type**, **Valve Model Number** and **Valve Size** fields will be filled automatically when this page is accessed through the selection of **Configure Piping** in the valve selection module.

Select the components, P/T ports, and sizes and connection type. Note some components are required and can not be un-selected.

Belimo SelectPro™

File Module My Account Help

Project Reference Project Name Created By Clear Form

Click image to view PDF

☒ Valve Piping Package ☐ Components Only

Application

Valve Type: CCV 2-Way Valve Model Number: B218

Valve Size: 3/4" Valve Location: ☒ Return ☐ Supply

Run Out Pipe Size: 1" Extension components required? ☐

Coil Size: 1" Design flow rate: 10 Range 7.4 to 17.47 GPM

Package Selection

Return Side

Union ☒ P/T Port 1" F NPT 3/4" M NPT

Manual Balance ☒ P/T Port 1" F NPT 3/4" M NPT

Supply Side

Strainer ☒ P/T port 1" F NPT 1" M NPT

Hoses

Hoses Hose Size: 1" x 18"

Diagram: COIL, RETURN, FLEX HOSE, UNION, CCV CONTROL VALVE, MBV, RUN OUT PIPE, SUPPLY, STRAINER

What is a standard piping package? Update Schedule Add To Schedule

Water Steam Pressure Independent Damper Actuator Retrofit Piping ☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes Select Custom Attributes

	Pos	Re-Order #	Qty	Component Type	Coil Size	Runout Pipe Size	Valve Location	Extensions	Flow Rate	Valve Part Nr.	PT Port	Component Body End Size
1	1	P2411411531139	1		1"	1"	Return	No	10	B218	No	
1.1		PPS3113		Strainer				No			Yes	1"
1.2		PPL4115		MBV				No			Yes	1"

Grand Total \$222.30 Piping Total \$222.30

Click **Add To Schedule** to add the package to the schedule. The individual components will be listed as sub lines to the piping package assembly.

Belimo SelectPro™

File Module My Account Help

Project Reference Project Name Created By Clear Form

Click image to view PDF

☒ Valve Piping Package ☐ Components Only

Application

Valve Type: CCV 2-Way Valve Model Number: B218

Valve Size: 3/4" Valve Location: ☒ Return ☐ Supply

Run Out Pipe Size: 1" Extension components required? ☐

Coil Size: 1" Design flow rate: 10 Range 7.4 to 17.47 GPM

Package Selection

Return Side

Union ☒ P/T Port 1" F NPT 3/4" M NPT

Manual Balance ☒ P/T Port 1" F NPT 3/4" M NPT

Supply Side

Strainer ☒ P/T port 1" F NPT 1" M NPT

Hoses

Hoses Hose Size: 1" x 18"

What is a standard piping package? Update Schedule

Add To Schedule

Water Steam Pressure Independent Damper Actuator Retrofit Piping

☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes Select Custom Attributes

	Pos	Re-Order #	Qty	Component Type	Coil Size	Runout Pipe Size	Valve Location	Extensions	Flow Rate	Valve Part Nr.	PT Port	Component Body End Size
1	1	P2411411531139	1		1"	1"	Return	No	10	B218	No	
	1.1	PPS3113		Strainer				No			Yes	1"
	1.2	PPL4115		MBV				No			Yes	1"

Grand Total \$222.30 Piping Total \$222.30

Checking the **Hide Sub Line Items** check box will hide the separate component lines and only display the complete piping package line item.

Belimo SelectPro™

File Module My Account Help

Project Reference Project Name 07212011Test Created By [Edit Customer Details...](#) [Clear Form](#)

Disclaimer: Pipe package orders must be placed through customer service.

☒ Valve Piping Package ☐ Components Only

Application

Valve Type Valve Model Number

Valve Size Valve location ☒ Return ☐ Supply

Run Out Pipe Size Extension components required? ☐

Coil Size Design flow rate Range

Package Selection

Return Side

Union ☒ P/T Port

Isolation Valve ☒ P/T Port

Supply Side

Isolation Valve ☒ P/T port

Hoses

Hoses Hose Size:

What is a standard piping package? [Update Schedule](#) [Add To Schedule](#) [Select Custom Attributes](#)

Water Steam Pressure Independent Damper Actuator Retrofit **Piping** ☒ Show Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes

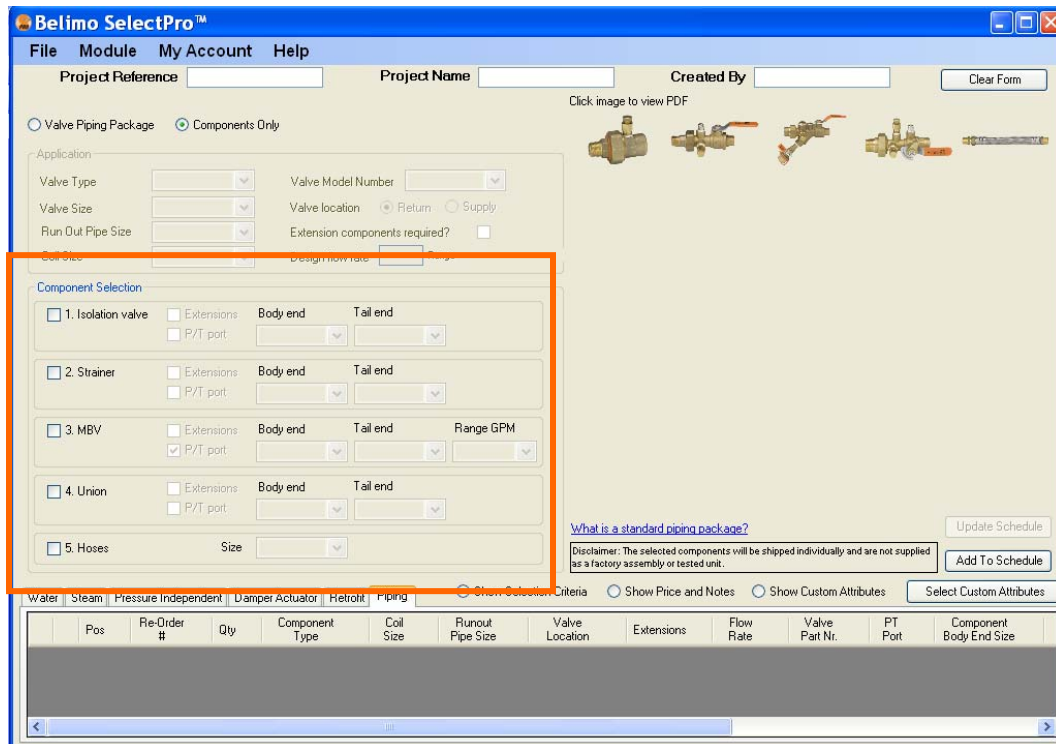
	Pos	Re-Order #	Qty	Component Type	Coil Size	Runout Pipe Size	Valve Location	Extensions	Flow Rate	Valve Part Nr.	PT Port	Component Body End Size
	1	PP421421032105	1		1"	1"	Return	No	6.50	P2075B065	No	
	1.1	PPV3210		Iso_Valve				No			Yes	1"
	1.2	PPV4210		Iso_Valve				No			Yes	1"

☐ Hide Sub Line Items

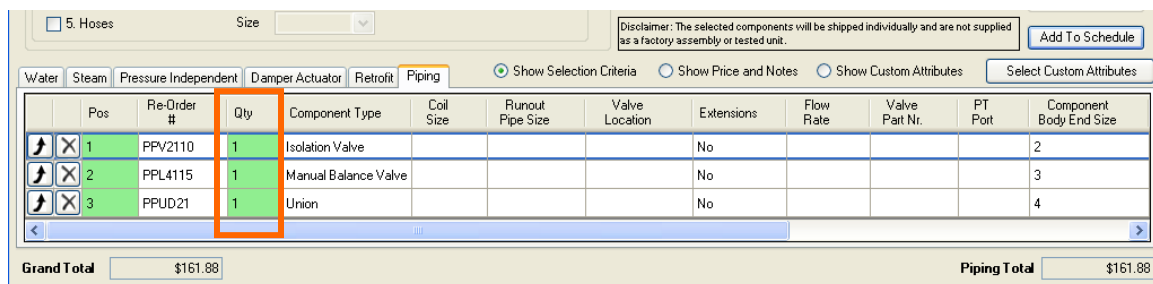
Piping Total \$776.00 **Grand Total** \$14855.00

Selecting **Components Only** will enable the components selection.

☐ Valve Piping Package
 ☒ Components Only



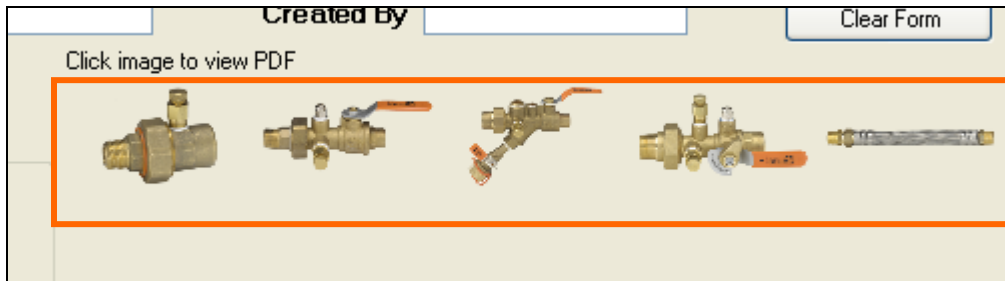
Check the box(es) for the desired component(s), select P/T ports or extensions if applicable, then select the size and connection type for each component. For manual balance valves, a flow range also has to be selected.



Pos	Re-Order #	Qty	Component Type	Coil Size	Runout Pipe Size	Valve Location	Extensions	Flow Rate	Valve Part Nr.	PT Port	Component Body End Size
1	PPV2110	1	Isolation Valve				No				2
2	PPL4115	1	Manual Balance Valve				No				3
3	PPUD21	1	Union				No				4

Grand Total \$161.88
 Piping Total \$161.88

Click **Add To Schedule** to add the selected components to the schedule. The quantity of each component can be modified in the schedule.



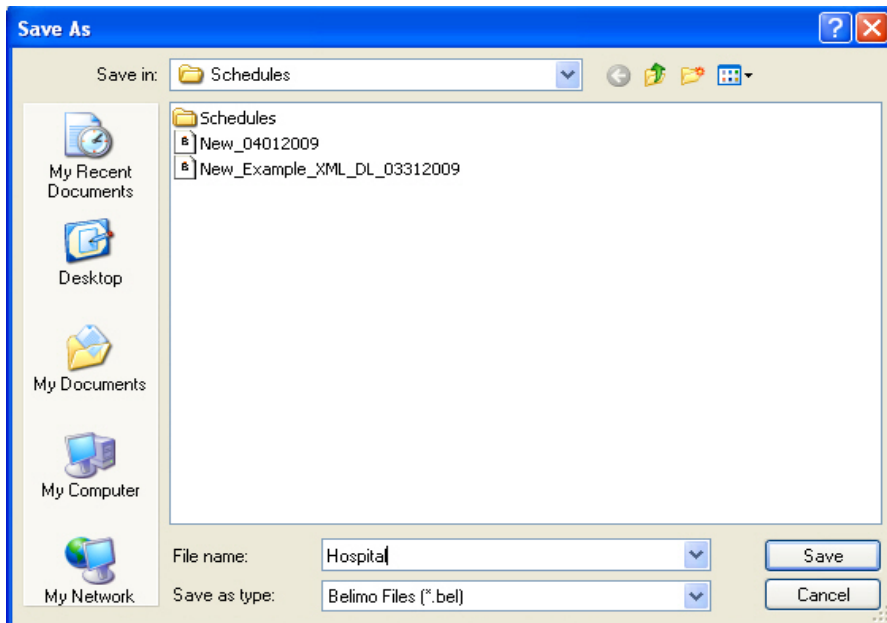
Click on the component image at the top right corner of the page to view the product specification sheet.

***** Please Note *****

For ordering piping packages, please contact Belimo Customer Service for processing.

After completion of the schedule, several options are available.

- 1) The schedule can be saved using the **Save** or **Save As** function in the File Menu. This file then can be accessed at a later date, and can be e-mailed.



- 2) The schedule can be printed using the **Print** function in the **File** Menu. **Please note that the attributes displayed on the screen will print.**

Print Preview

☒ Include Piping Package Drawing

Page Setup Print Preview Print

BELIMO

Project Reference: Project Name: Date: 9/22/2010 Page 1/7

Company: ABC Contracting My Belimo Partner: Belimo Americas
 Contact: John Smith Contact: Tricia M. Bruenn
 Address: 300 First Street Address: 43 Old Ridgebury Rd
 Anywhere, PA 15372 Danbury, CT 06810
 USA USA
 Phone: 123-456-7890 Phone: 800-543-9038
 Fax: 123-456-7899 Fax: 800-228-8283
 E-Mail: john.smith@abc.com E-Mail: tricia.bruenn@us.belimo.com
 Customer Number: 111111
 Multiplier: 1

Water

Pos	Re-Order #	Qty	Tag	Datasheet	Valve Pattern	Pipe Size	Flow (GPM)	ΔP	Req. Cv	Body Size	Valve Cv	Actual ΔP	Close Off Pressure	Valve Part Nr.	Actuator Part Nr.	Set Up	P-Code	Piping Package
1	B338S2+ARB24-SR	1		B3_ARB24_SR.pdf	3W M/C		0.00	0.00	0	1-1/2"	28	0	200	B338	ARB24-SR	NC		Configure Piping...

BELIMO

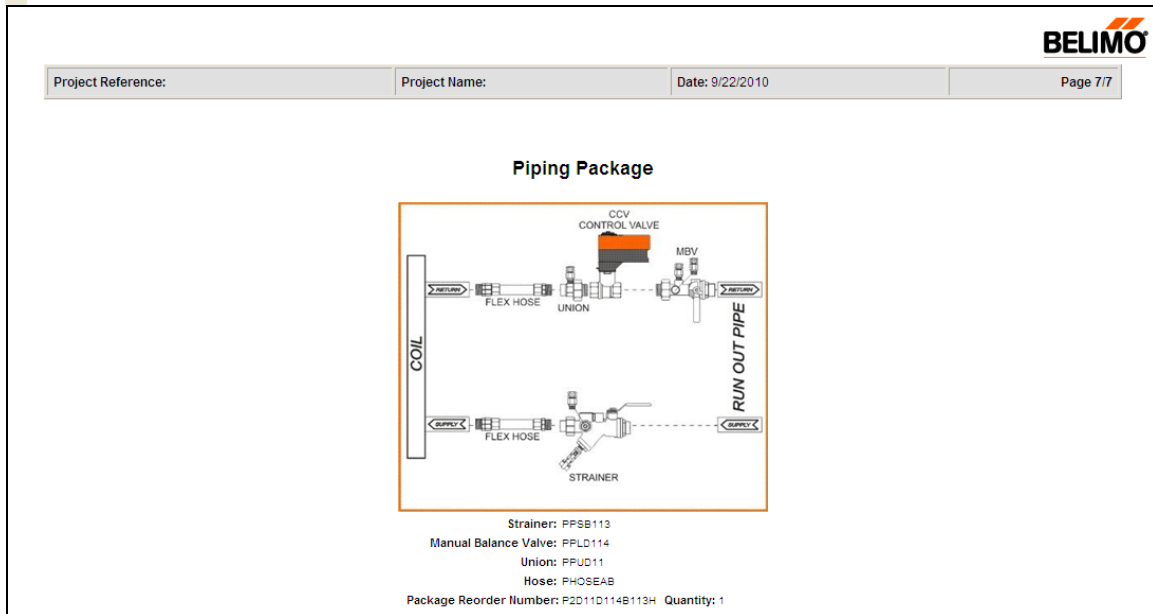
Project Reference: Project Name: Date: 9/22/2010 Page 2/7

Steam

Pos	Re-Order #	Qty	Tag	Datasheet	Valve Pattern	Pipe Size	Flow (lb/h)	Inlet Pressure	Req. Cv	Body Size	Valve Cv	Close Off Pressure	Valve Part Nr.	Actuator Part Nr.	Set Up	P-Code	Piping Package
1	B2B8S2+LF24-SR US	1		B2HT_LF24_SR.pdf	2W		0.00	0.00	0	3/4"	2.9	200	B220HT290	LF24-SR US	NC/FC		

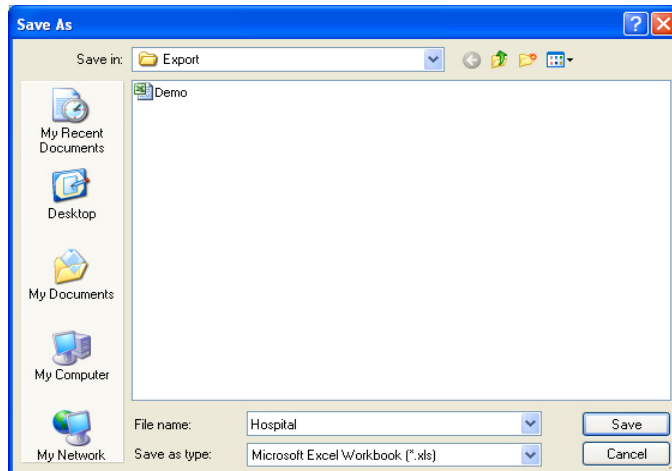
The print-out will consist of one section for the Water, Steam, Pressure Independent, Damper Actuator, Retrofit, and Piping Package tabs. Each section will have a sub-total and then a project total will be displayed at the bottom left of the form.

☒ Include Piping Package Drawing



The **Include Piping Package Drawing** check box needs to be checked if the piping package drawing is required on the print out.

3) The schedule can be exported to Excel using the **Export to Excel** function in the **File Menu**. *Please note that the attributes displayed on the screen will be exported.*



Example of Excel Sheet.

Each tab of the Schedule – **Water**, **Steam**, **Pressure Independent**, **Damper Actuator**, **Retrofit**, and **Piping Package** will have its own tab in Excel.

Microsoft Excel - Schedule5.xls										
File Edit View Insert Format Tools Data Window Help Adobe PDF										
100% Arial 10 B I										
Reply with Changes... Egd Review...										
C58										
	A	B	C	D	E	F	G	H	I	J
1		Company:	ABC Contracting			My Belimo Partner:	Belimo Americas			
2		Contact:	John Customer			Contact:	Sales Manager			
3		Address:	100 First Street			Address:	43 Old Ridgebury Rd			
4										
5			Everywhere				Danbury CT			
6			USA				06810			
7		Phone:	716-555-5555			Phone:	203-791-9915			
8		Fax:	716-555-6666			Fax:	203-749-9919			
9		E-Mail:	john.customer@ABC.com			E-Mail:	sales.manager@us.belimo.com			
10		Customer Number:	123456							
11		Multiplier:	0.5							
12										
13	Application	Pos	Re-Order #	Qty	Tag	Datasheet	Valve Pattern	Pipe Size	Flow [GPM]	ΔP Req
14	Water	1	B231S6+AS1001A1	1		B2_AF24_MFT_S.pdf	2W		50	4 2
15	Water	2	B219S6+LS1001C1	1		B2_LF24_MFT_S.pdf	2W		20	4 1
16	Water	3	B224S2+LR100RC1	1		B2_LR24_MFT.pdf	2W		30	4 1
17	Water	4	G2D8B5+NVF1000A1	1		G2_NVF24_MFT_E.pdf	2W		30	4 1
18										
19										

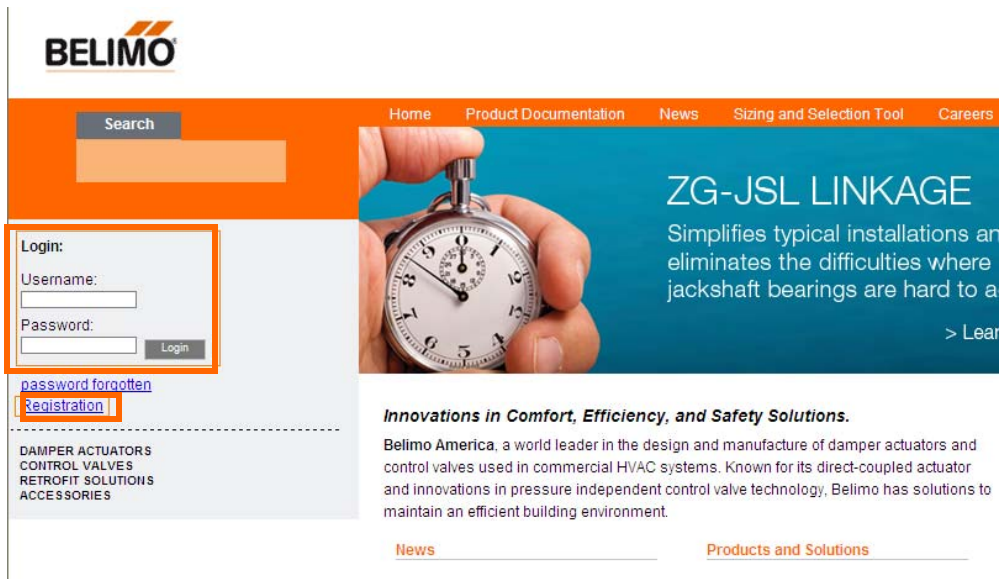
Schedule Upload to the Belimo Website

Registered Website Users can use SelectPro™ to create orders and Product Schedules (these can be saved and used to create orders from) on the Belimo Website. The instructions for doing so are below.

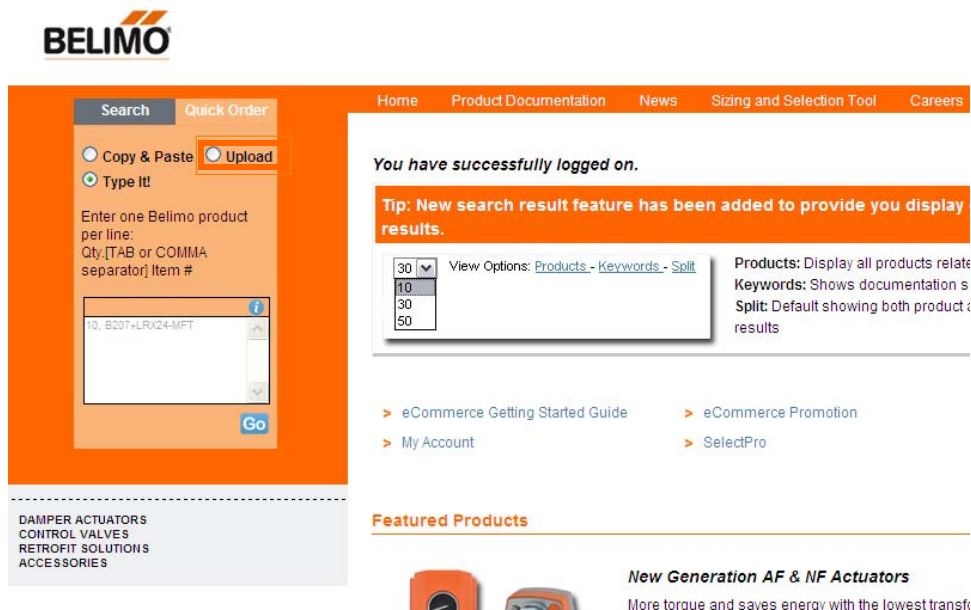
***** Please Note *****

For ordering piping packages, please contact Belimo Customer Service for processing.

To upload a SelectPro™ schedule into a web order, you first need to logon to the Belimo website using your login username and password information. If you do not have a login username, click on **Registration** to create an account.



Once you log in click **Upload**.



BELIMO

Home Product Documentation News Sizing and Selection Tool Careers

Search Quick Order

☐ Copy & Paste ☒ Upload

☐ Type It!

Enter one Belimo product per line:
Qty.[TAB or COMMA separator] Item #

10, B297-LRX24-MFT

Go

DAMPER ACTUATORS
CONTROL VALVES
RETROFIT SOLUTIONS
ACCESSORIES

You have successfully logged on.

Tip: New search result feature has been added to provide you display results.

View Options: [Products](#) - [Keywords](#) - [Split](#)

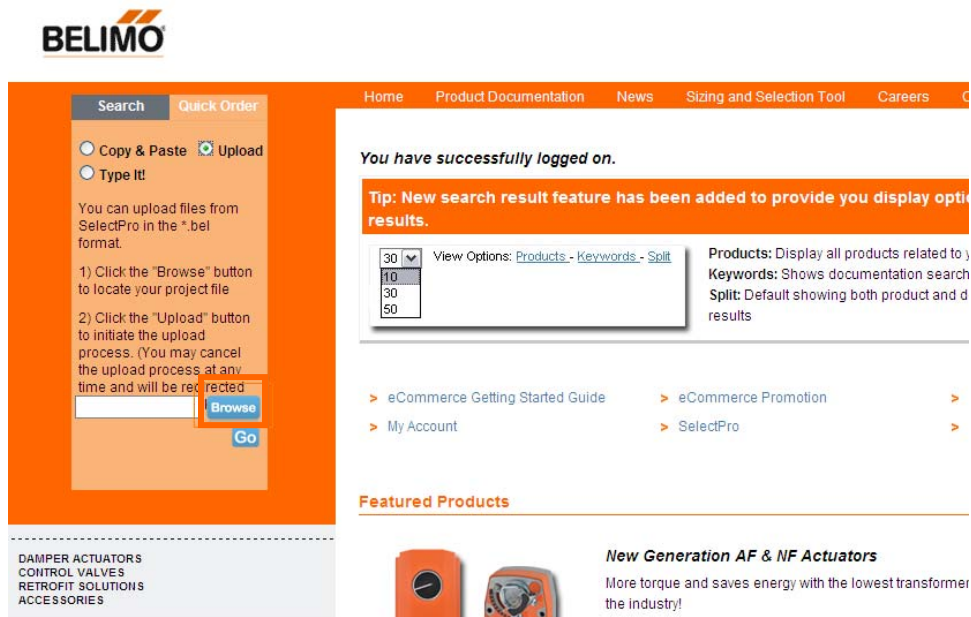
Products: Display all products related to
Keywords: Shows documentation search results
Split: Default showing both product and documentation results

> eCommerce Getting Started Guide > eCommerce Promotion
> My Account > SelectPro

Featured Products

New Generation AF & NF Actuators
More torque and saves energy with the lowest transformer

Click on the **Browse** button.



BELIMO

Home Product Documentation News Sizing and Selection Tool Careers

Search Quick Order

☐ Copy & Paste ☒ Upload

☐ Type It!

You can upload files from SelectPro in the *.bel format.

1) Click the "Browse" button to locate your project file
2) Click the "Upload" button to initiate the upload process. (You may cancel the upload process at any time and will be redirected)

Browse

Go

DAMPER ACTUATORS
CONTROL VALVES
RETROFIT SOLUTIONS
ACCESSORIES

You have successfully logged on.

Tip: New search result feature has been added to provide you display optimal results.

View Options: [Products](#) - [Keywords](#) - [Split](#)

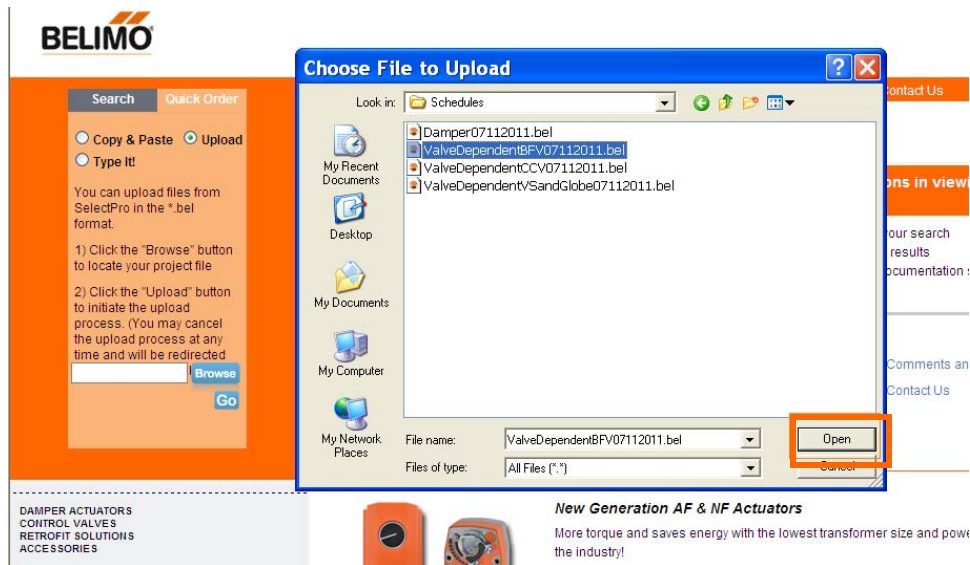
Products: Display all products related to
Keywords: Shows documentation search results
Split: Default showing both product and documentation results

> eCommerce Getting Started Guide > eCommerce Promotion
> My Account > SelectPro

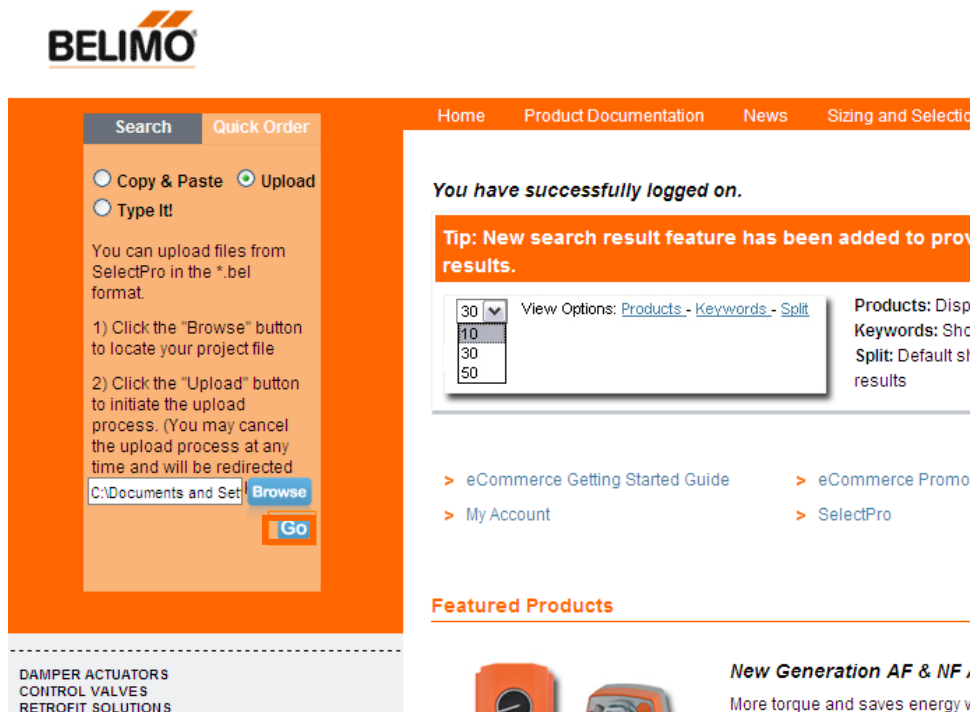
Featured Products

New Generation AF & NF Actuators
More torque and saves energy with the lowest transformer in the industry!

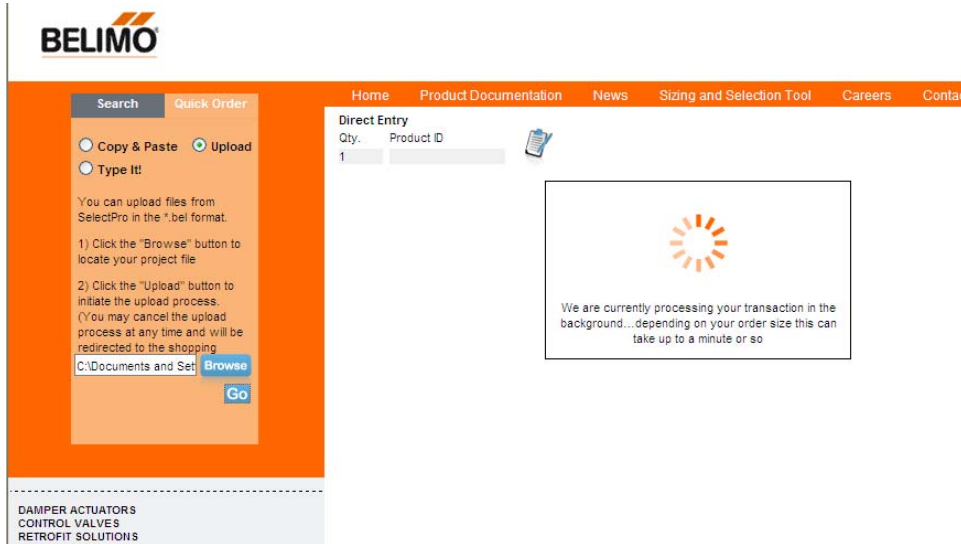
The following window will appear. Click on the desired schedule file then click **Open**.



Click **Go**.



The items in the schedule will be uploaded into the basket. Completing the configurations may take a few minutes to upload completely.



BELIMO

Home Product Documentation News Sizing and Selection Tool Careers Contact

Search Quick Order

☐ Copy & Paste ☒ Upload
☐ Type It!

You can upload files from SelectPro in the *.bel format.

1) Click the "Browse" button to locate your project file


2) Click the "Upload" button to initiate the upload process.
 (You may cancel the upload process at any time and will be redirected to the shopping

C:\Documents and Set **Browse** **Go**

Direct Entry

Qty. Product ID

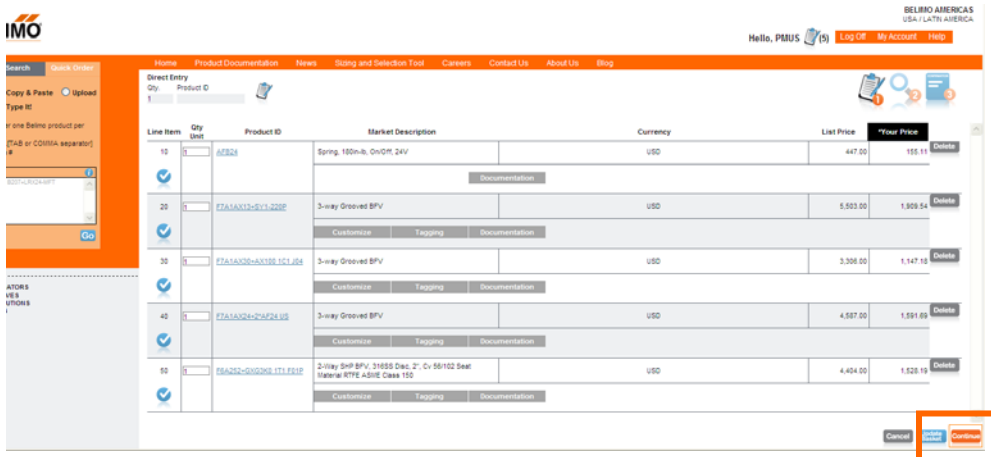
1



We are currently processing your transaction in the background...depending on your order size this can take up to a minute or so

DAMPER ACTUATORS
 CONTROL VALVES
 RETROFIT SOLUTIONS

Your schedule will be added to the shopping basket. At this time, add additional items to order if required. Click **Continue** at the bottom right of the screen when all the items are entered and configured.



IMO

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Search Quick Order

☐ Copy & Paste ☒ Upload
☐ Type It!

or one Belimo product per (TAB or COMMA separator)

Direct Entry

Qty. Product ID

1

Line Item	Qty	Unit	Product ID	Market Description	Currency	List Price	*Your Price	
19	1		AF324	Spring, 180N·lb, On/Off, 24V	USD	447.00	155.19	Details
				Documentation				
20	1		P7A1AX13-S-C1-320P	3-way Grooved BPV	USD	5,593.00	1,909.54	Details
				Customize Tagging Documentation				
30	1		P7A1AX10C-A3100 DCT J24	3-way Grooved BPV	USD	3,306.00	1,147.15	Details
				Customize Tagging Documentation				
40	1		P7A1AX12A-2-2424 US	3-way Grooved BPV	USD	4,587.00	1,581.69	Details
				Customize Tagging Documentation				
50	1		5B432-010200 IT1 F10P	2-Way Self BPV, 316SS Dia. 2", Cv 50/102 Seat Material: 316L AISI 304 Class 150	USD	4,404.00	1,528.19	Details
				Customize Tagging Documentation				

[Cancel](#) [Add to Basket](#) [Continue Shopping](#)

ACTORS
 VES
 UTIONS

Complete the order information (P.O. number, ship to address, shipping method, etc..) and then click **Continue** at the bottom right.

Quick Order

Go

Home Product Documentation News Pricing and Selection Tool Careers Contact Us About Us Blog

Hello, PMUS (2) Log Off My Account Help

PO Number:

Project Name:

Ship To:

Requested Arrival Date:

Ship Via:

See my Shipping Account if:

Payment Type:

Line Item	Qty	Unit	Product # (Description)	Order #	Approximate arrival date	Currency	List Price	*Your Price	Total surcharges	Total Price
10	1	PC	PTA38130-2*GX110 1C1 A59	PTA38130-2*GX110 1C1 A59	07/26/11	USD	7,730.00	2,662.30	.00	2,662.30
			Customize							
20	1	PC	GKAK2 1C1 F1E	GKAK2 1C1 F1E	07/26/11	USD	1,008.00	349.78	.00	349.78
			Customize							

*The total price indicated is the final price including any surcharges
 *Your price indicates your price based on your pricing agreement
 Approximate arrival date is not a guarantee that your shipment will arrive on this date.

Total List 8,738.00
 *Your Price 3,032.08
 Freight .00
 Final price excluding Tax 3,032.08

Get Quote Request Quote Save Price **Continue**

General Notes:

The **Control** field for Steam applications is different than for water applications. This selection will allow the program to correctly size for on/off or proportional steam applications. In addition, steam applications require the inlet pressure for proper sizing of the control valve. The differential pressure will not be displayed as this requires an iterative solving method.

Belimo SelectPro™

File Extras Customer Information Help

Project Reference: Project Name: Created By: Clear Form

Optional Preselection for valve sizing: PCCV ☐ HTCCV ☐ Ball ☐ Zone ☐ Globe ☐ Butterfly ☐

Application Parameter

Medium: Flow: lbs/h
 Control: Inlet Pressure: psi
 Application: Cv:
 Valve Selection: Pattern: Connection: Body Rating: Body Size:
 Trim:

Optional

Limits for Differential Pressure: Pipe Size:

Actuator Selection

Control Type: Built-In Aux Switch:
 Safety Function: Nominal Voltage:
 NEMA Rating: Close Off:

Type	Pattern	Body Rating	Max Temp	Trim	Cv = 0.29 1/2"	Cv = 0.4 1/2"	Cv = 0.46 1/2"
BFV	2W	ANSI 125/150	450	SS			
BFV	2W	ANSI 250/300	450	SS			
HTCCV	2W	Non-ANSI Class	266	SS	B215HT029		B215HT046
BALL	2W	Non-ANSI Class	280	SS			
BALL	2W	Non-ANSI Class	298	SS			
GLB	2W	ANSI 125/150	300	Bronze			

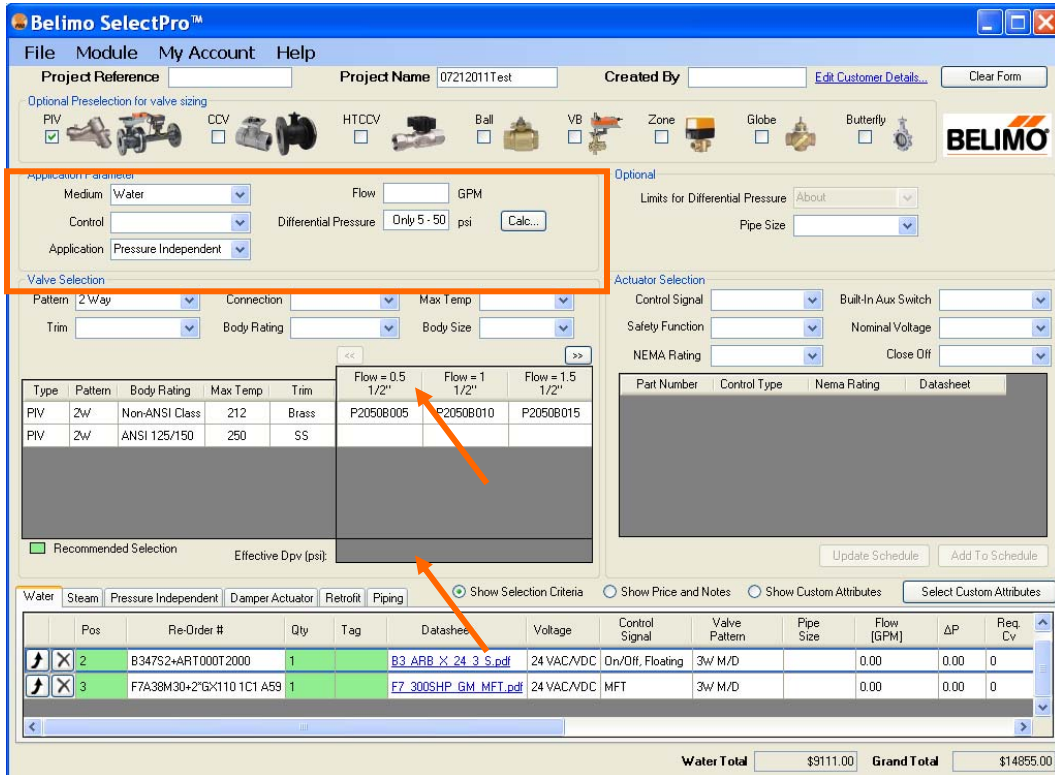
☒ Recommended Selection Effective Dp (psi):

Water ☒ Steam ☐ Pressure Independent ☐ Show Valve Selection Criteria ☐ Show Price and Notes ☐ Show Custom Attributes

	Pos	Re-Order #	Qty	Tag	Datasheet	Valve Pattern	Pipe Size	Flow (GPM)	ΔP	Req Cv	Body Size	Valve Cv	Actual ΔP	Close Off Pressure	Valve Part Nr.	Actuator Nr.
	1	B231S6+AS1001A1	1		B2 AF24 MFT S.pdf	2W		50.00	4.00	25	1-1/4"	25	4	200	B231	AF24-MFT
	2	B219S6+LS1001C1	1		B2 LF24 MFT S.pdf	2W		20.00	4.00	10	3/4"	10	4	200	B219	LF24-MFT
	3	B224S2+LR100RC1	1		B2 LR24 MFT.pdf	2W		30.00	4.00	15	1"	19	2.5	200	B224	LR24-MF
	4	G2D8B5+NVF1000A1	1		G2 NVF24 MFT E.pdf	2W		30.00	4.00	15	1-1/4"	20	2.2	130	G232	NVF24-MF

Grand Total: \$5486.00 Water Total: \$2912.00

The user interface for Pressure Independent (PI) applications is slightly different because PI valves only require a GPM for sizing. The PI valves can operate between a 5 - 50 PSI differential so this field is not required for selection. The differential pressure of the selected valve will not be displayed. Also, the Flow of the valve instead of the Cv rating is listed as this is a pressure independent valve.



The screenshot shows the Belimo SelectPro software interface. The 'Application Parameters' section is highlighted with an orange box, showing 'Medium' set to 'Water', 'Flow' set to 'GPM', and 'Application' set to 'Pressure Independent'. The 'Valve Selection' section shows a table of valve options. An orange arrow points to the 'Flow = 1 1/2"' column, and another orange arrow points to the 'Effective Dpv (psi)' field, which is currently empty.

Type	Pattern	Body Rating	Max Temp	Trim	Flow = 0.5 1/2"	Flow = 1 1/2"	Flow = 1.5 1/2"
PIV	2w	Non-ANSI Class	212	Brass	P2050B005	P2050B010	P2050B015
PIV	2w	ANSI 125/150	250	SS			

Pos	Re-Order #	Qty	Tag	Datasheet	Voltage	Control Signal	Valve Pattern	Pipe Size	Flow [GPM]	ΔP	Req. Cv
2	B347S2+ART000T2000	1		B3_ARB_X_24_3_S.pdf	24 VAC/VDC	On/Off, Floating	3w M/D		0.00	0.00	0
3	F7A38M30+2"Gx110 1C1 A59	1		F7_300SHP_GM_MFT.pdf	24 VAC/VDC	MFT	3w M/D		0.00	0.00	0

Water Total: \$9111.00 Grand Total: \$14855.00

Thank You for using Belimo's SelectPro™

This document details the key features of Belimo's SelectPro™ software. For additional questions, please contact customer service or your local Sales Manager:

Danbury, CT 1-800-543-9038
 Sparks, NV 1-800-987-9042
 Canada 1-866-805-7089