

PresCal™ Pressure Reducing Valve

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535H Series

Revit Content Instructions Guide

Manufacturer & Product:	Caleffi 535H PresCal Pressure Reducing Valve
Files:	<i>Preadjustable_Pressure_Reducing_Valve-PresCal-Caleffi-Brass-535H.rfa</i>
Type Catalog:	Not Applicable
Rendering file:	Not Applicable
Schedule file:	Not Applicable



This family contains the following main variations or types:

- Size variations: 0.5in., 0.75in., 1in., 1.25in., 1.5in. and 2in.
- Connection types: NPT, Press, Sweat, PEX Crimp, PEX Expansion
- Type variations with gauge
- 290030, 290031 valve options for inlet and outlet for sizes smaller than 1in.
- NA108 valve available for inlet and outlet for NPT connection types and sizes 1in. and above

Instance Properties

Here is a curated list of notable parameters for the Revit user within the Caleffi 535H PresCal Pressure Reducing Valve family.

Construction	
UV Protection Cover (default)	This controls the visibility of the UV protection cover.
Inlet Isolation Valve (default)	This controls the isolation valve type on the inlet.
(0) No Isolation Valve on Inlet (default)	This is active if no isolation valve is selected on inlet
(1) 290030 Isolation Valve on Inlet (default)	This is active if 290030 isolation valve is selected on inlet
(2) 290031 Isolation Valve on Inlet (default)	This is active if 290031 isolation valve is selected on inlet
(3) NA108 Valve on Inlet (default)	This is active if NA108 isolation valve is selected on inlet
Outlet Isolation Valve (default)	This controls the isolation valve type on the outlet.
(0) No Isolation Valve on Outlet (default)	This is active if no isolation valve is selected on outlet
(1) 290030 Isolation Valve on Outlet (default)	This is active if 290030 isolation valve is selected on outlet
(2) 290031 Isolation Valve on Outlet (default)	This is active if 290031 isolation valve is selected on outlet
(3) NA108 Valve on Outlet (default)	This is active if NA108 isolation valve is selected on outlet
Mechanical - Flow	
Design Flow Rate (default)	This tells you the flow that this component is reading in the system.
Flow Warning (default)	This tells you a warning if the flow rate exceeds the maximum allowable.
Mechanical - Loads	
Pressure Drop Feet of Water (default)	Specify the pressure drop in feet of water.
System Pressure Drop (default)	This tells you the system pressure drop.
Mechanical	
Differential Pressure (default)	Specify the differential pressure.

Type Properties

Here is a curated list of notable parameters for the Revit user within the Caleffi 535H PresCal Pressure Reducing Valve family.

Materials	
Seat Material	Metal - Caleffi - Stainless Steel
Valve Body Material	Metal - Caleffi - Brass
Pressure Operating Knob Material	Plastic - Caleffi - Black
Pressure Operating Knob UV Protection Material	Plastic - Caleffi - Black
Pressure Gauge Material	Metal - Caleffi - Stainless Steel

Identity Data

Assembly Code	D3040
Contact URL*	http://www.caleffi.com/usa/en-us/contacts/contact-us
Copyright*	©Caleffi North America
Cost	
Description	Pre-adjustable pressure reducing valve with or without pressure gauge
Family Version*	1
Keynote	
Manufacturer	Caleffi North America, Inc.
Model	535691HA
Product Page URL*	https://www.caleffi.com/usa/en-us/catalogue/prescaltm-pressure-reducing-valve-low-lead-pre-adjustable-535940ha
Type Comments	
Type Image	
Series*	535H Series
Standards*	ASSE 1003; CSA B356; NSF/ANSI/CAN 372; NSF/ANSI/CAN 61; Reduction of Lead in Drinking Water Act; S.3874; UL 2043
URL	https://www.caleffi.com/usa/en-us

Half tone text in the property tables indicates that the value is locked from editing.

*Indicates Shared Parameter and can be scheduled

Rendering

Note: Standard Caleffi materials are imported. These may be modified, but please ensure that the modification selection matches an actual manufacturer supplied option.

Loading and Placing into the Project

To work with the Caleffi 535H PresCal Pressure Reducing Valve in Revit, a family is provided. Navigate to the Insert Tab > Load Family button on the Revit ribbon to load the family. If applicable, be sure the type catalog (.txt) file is located in the same folder as the family you are loading.

Please ensure that the visibility settings within the project are modified to have the Piping category visible.

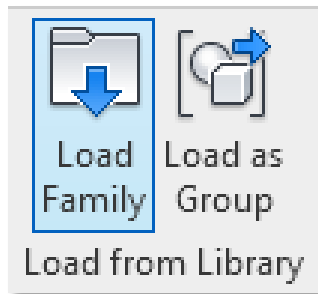


Figure 1 - Insert Tab > Load Family

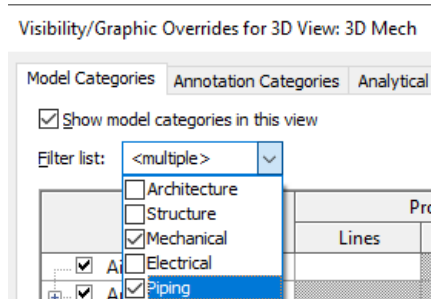


Figure 2 - Visibility/Graphic Overrides

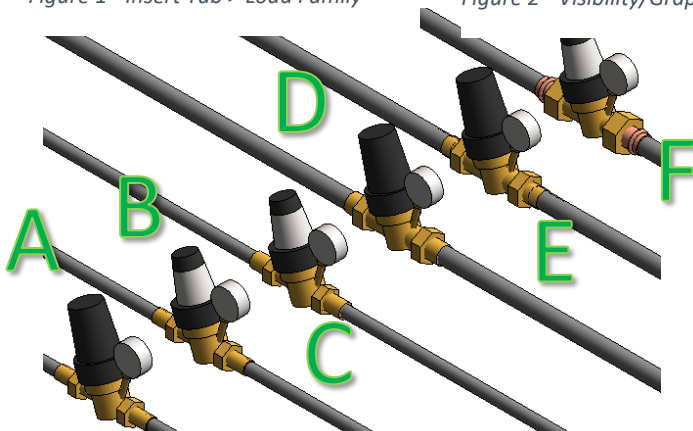


Figure 3 - Caleffi 535H PresCal Pressure Reducing Valve

- A. 535H PresCal with Sweat tailpieces
 - Shown with UV Protection
- B. 535H PresCal with Sweat tailpieces
- C. 535H PresCal with FNPT tailpieces
- D. 535H PresCal with PEX Crimp tailpieces
 - Shown with UV Protection
- E. 535H PresCal with PEX expansion tailpieces
 - Shown with UV Protection
- F. 535H PresCal with Press tailpieces

Project Behavior

One way to place a Caleffi 535H PresCal Pressure Reducing Valve is to go to the Systems Tab on the Revit ribbon and navigate to the Component button with Place a Component fly-out selected.

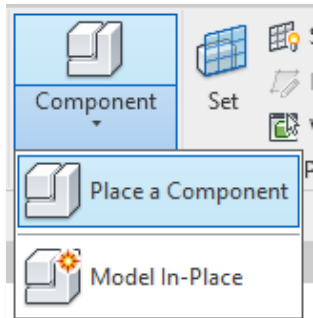


Figure 4 - Systems Tab > Component > Place a Component

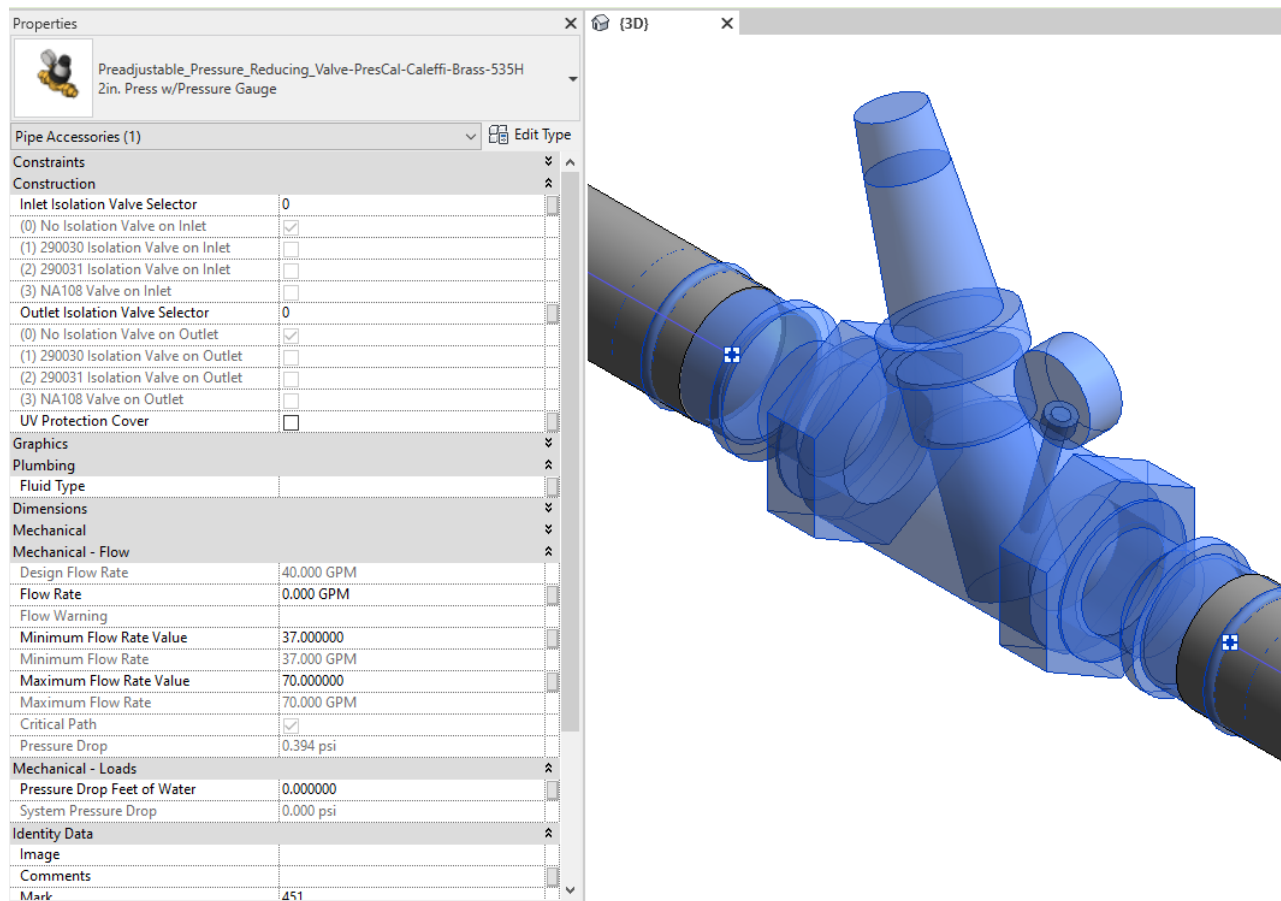


Figure 5 – The Caleffi 535H PresCal Pressure Reducing Valve family can be found under pipe accessories in the project browser and placed directly onto pipe of the same size. It will then read flows and consider pressure drop in the system. Options such as selecting the visibility of a UV Protection Cover are available.

Schedule Creation

Within the type and instance properties dialogues, the Revit user will find useful information for scheduling purposes such as Type, Part Description, Part Number/Model, Family Version, Manufacturer, Series, & Product Page URL. The resulting Pipe Accessories schedule in your project will show counts/quantities of the Caleffi 535H PresCal Pressure Reducing Valve as well as separate quantities/counts of any separately purchased accessory products that do not come in box with the Caleffi 535H PresCal Pressure Reducing Valve.