

## PresCal™ Compact Pressure Reducing Valve

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**533HA Series**

### Revit Content Instructions Guide

**Manufacturer & Product:** Caleffi 533HA PresCal Compact Pressure Reducing Valve

**Files:** *Pressure\_Reducing\_Valve-Caleffi-PresCal-533HA.rfa*
**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.
- Connection types: NPT, Press, Sweat, PEX Crimp, PEX Expansion
- Type variations with gauge
- 290030, 290031 valve options for inlet and outlet
- NA108 valve option for inlet and outlet for NPT connection types

### Instance Properties

Here is a curated list of notable parameters for the Revit user within the Caleffi 533HA PresCal Compact Pressure Reducing Valve family.

Construction	
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 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 valve is selected on outlet
Mechanical	
Cv (default)	Specify valve flow coefficient, a valve's capacity for a liquid or gas to flow through it.
Mechanical - Flow	
Flow (default)	This tells the flow that this component is reading in the system in GPM.
Pressure Drop (default)	This tells the pressure drop that this component is reading in the system in psi.
Mechanical - Loads	
System Pressure Drop (default)	Specify the differential pressure.

### Type Properties

Here is a curated list of notable parameters for the Revit user within the Caleffi 533HA PresCal Compact Pressure Reducing Valve family.

Materials	
Fitting Material	Metal - Caleffi - Copper
Body Material	Metal - Caleffi - Brass
White	Paint - Caleffi - White
Cap Material	Technopolymer - Caleffi - Grey
Temperature Gauge Cap Material	Technopolymer - Caleffi - Black
Identity Data	
Assembly Code	D3040
Contact URL*	<a href="https://www.caleffi.com/en-us/contacts/contact-us">https://www.caleffi.com/en-us/contacts/contact-us</a>
Copyright*	©Caleffi North America

Cost	
Description	Compact pressure reducing valve for residential and commercial plumbing applications.
Family Version*	2
Keynote	
Manufacturer	Caleffi North America, Inc.
Model	533340HA
Product Page URL*	<a href="https://www.caleffi.com/usa/en-us/catalogue/prescaltm-compact-533340ha">https://www.caleffi.com/usa/en-us/catalogue/prescaltm-compact-533340ha</a>
Type Comments	
Type Image	
Series*	PresCal™ Compact 533H
URL	<a href="https://www.caleffi.com/usa/en-us">https://www.caleffi.com/usa/en-us</a>

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 533HA PresCal Compact 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. Please ensure that the visibility settings within the project are modified to have the Piping category visible.

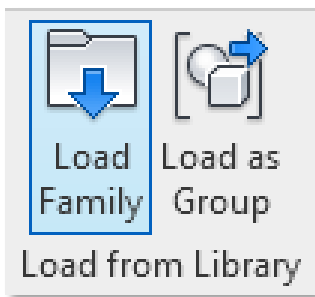


Figure 1 - Insert Tab > Load Family

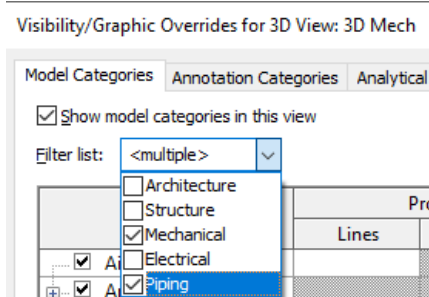
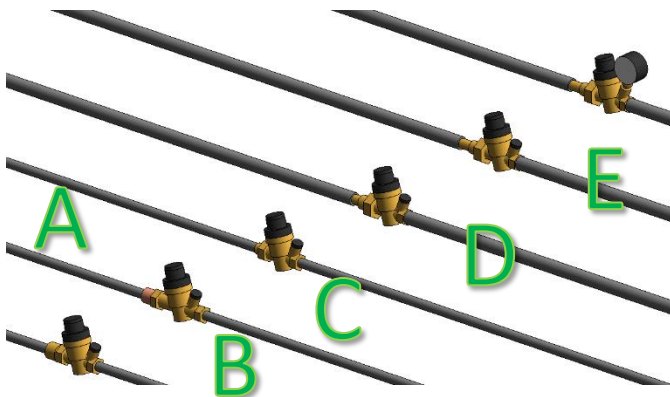


Figure 2 - Visibility/Graphic Overrides



- A. 533HA PresCal with NPT tailpieces
- B. 533HA PresCal with Press tailpieces
- C. 533HA PresCal with Sweat tailpieces
- D. 533HA PresCal with PEX Crimp tailpieces
- E. 533HA PresCal with PEX expansion tailpieces
- F. 533HA PresCal with PEX expansion tailpieces
  - Shown with UV Protection

Figure 3 - Caleffi 533HA PresCal Compact Pressure Reducing Valve

## Project Behavior

One way to place a Caleffi 533HA PresCal Compact 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.

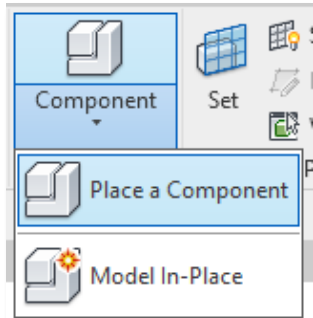


Figure 4 - Systems Tab > Component > Place a Component

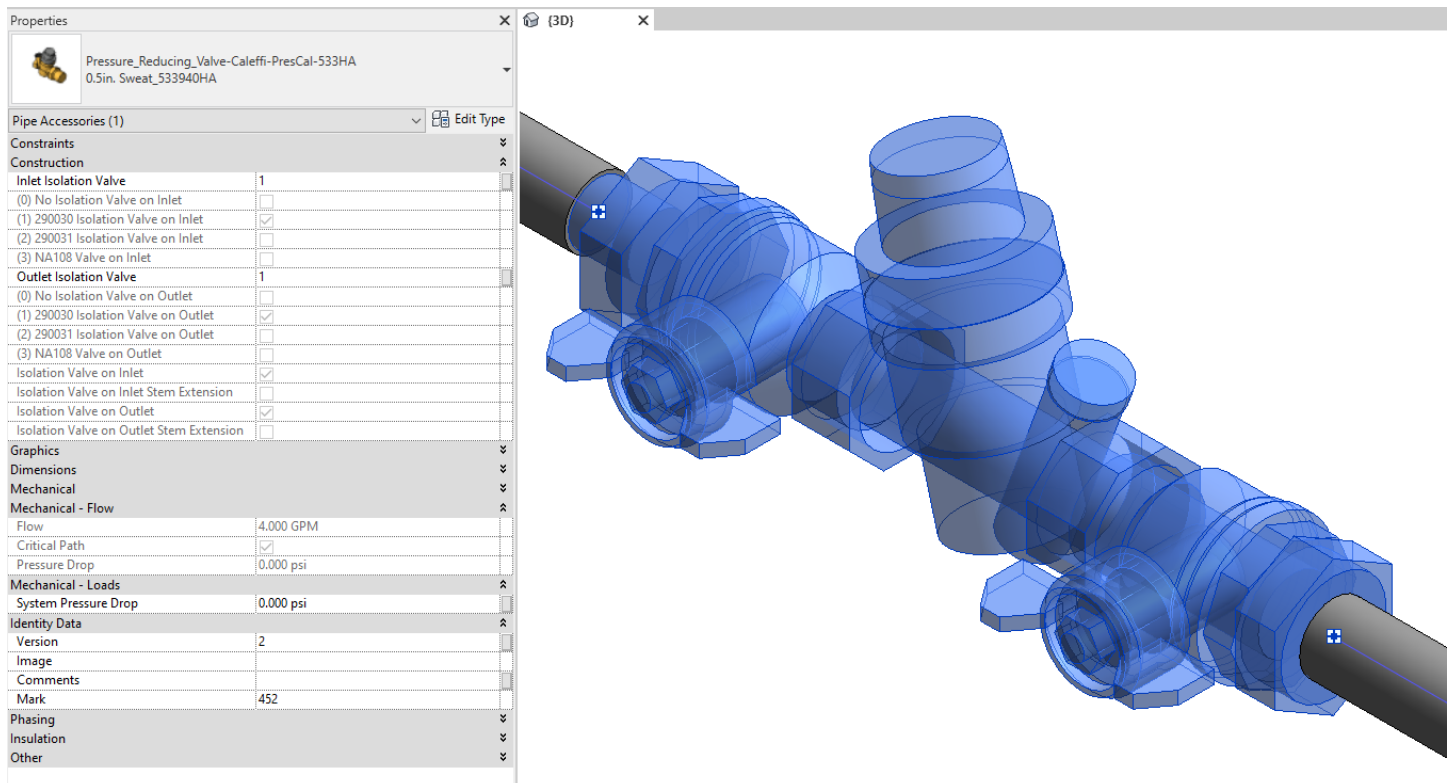


Figure 5 – The Caleffi 533HA PresCal Compact Pressure Reducing Valve family can be found under pipe accessories in the project browser and placed directly onto pipe of the same size. It will then read flows and consider pressure drop in the system.

## 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 533HA PresCal Compact Pressure Reducing Valve as well as separate quantities/counts of any separately purchased accessory products that do not come in box with the Caleffi 533HA PresCal Compact Pressure Reducing Valve.