

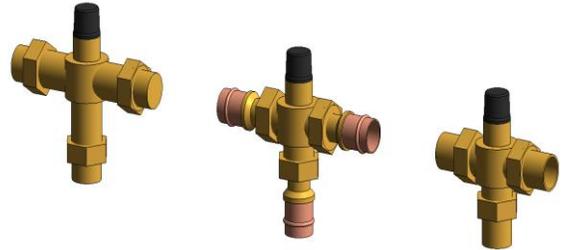
MixCal+™ Thermostatic Mixing Valve

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5231 Series

Revit Content Instructions Guide

Manufacturer & Product:	Caleffi 5231 MixCal Thermostatic Mixing Valve
Files:	<i>Thermostatic_Mixing_Valve-MixCal-Caleffi-5231.rfa</i>
Type Catalogs:	Not Applicable
Rendering file:	Not Applicable
Schedule file:	Not Applicable



The MixCal 5231 includes variations as follows:

1. Sizes include 1 in., 1.25 in., 1.5 in and 2 in.
2. Connection types include MNPT, Sweat and Press.
3. Each of the combinations from the two above also has an additional option of check valve on inlets

All the above variations are included as separate types in the family

Instance Properties

Here is a curated list of notable parameters for the Revit user within the Caleffi 5231 MixCal Thermostatic Mixing Valve family.

Construction	
NA103xx Check Valve on Cold Inlet (default)	This controls visibility of the check valve extension on the inlet.
NA103xx Check Valve on Hot Inlet (default)	This controls visibility of the check valve extension on the inlet.
Mechanical	
Hot Water Percentage (default)	This controls the hot water percentage in the mixture
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.
Maximum Flow Rate (default)	Specify the maximum flow rate in GPM.
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.

When the check valve box is selected for the family, check valve is placed on the port corresponding to the box. All the applicable boxes need to be checked for desired configuration.

Type Properties

Here is a curated list of notable parameters for the Revit user within the Caleffi 5231 MixCal Thermostatic Mixing Valve families.

Identity Data	
Assembly Code	D2020
Contact URL*	http://www.caleffi.com/usa/en-us/contacts/contact-us
Copyright*	©Caleffi North America
Cost	
Description	
Family Version*	1
Keynote	
Manufacturer	Caleffi North America, Inc.
Model	523196A
Product Page URL*	https://www.caleffi.com/en-us/products/mixing-valves/thermostatic-point-distribution/mixcaltm-high-flow
Type Comments	
Type Image	
Series*	5231 Series
Standards*	ASSE 1017, CSA B125.3, UPC, IPC, IRC, NPC, NSF/ANSI/CAN 372
URL	https://www.caleffi.com/usa/en-us

Halftone 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 5231 MixCal Thermostatic Mixing 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.

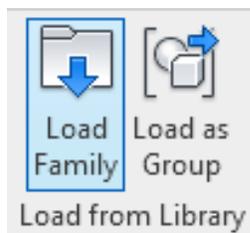


Figure 1 - Insert Tab > Load Family

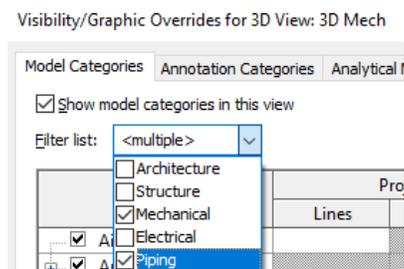
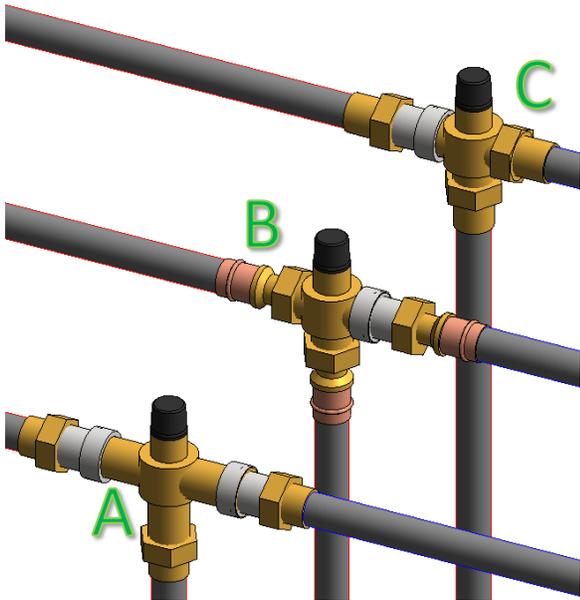


Figure 2 - Visibility/Graphic Overrides



- A. 1.5 in. MNPT connection MixCal with check valve at cold and hot inlet
- B. 1.5 in. Press connection MixCal with check valve at cold inlets
- C. 1.5 in. Sweat connection MixCal with check valve at hot inlet.

Figure 3 - Caleffi 5231 MixCal Thermostatic Mixing Valve

Project Behavior

One way to place a Caleffi 5231 MixCal Thermostatic Mixing 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.

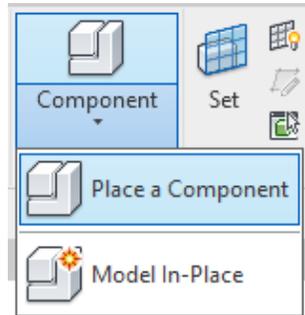


Figure 4 - Systems Tab > Component > Place a Component

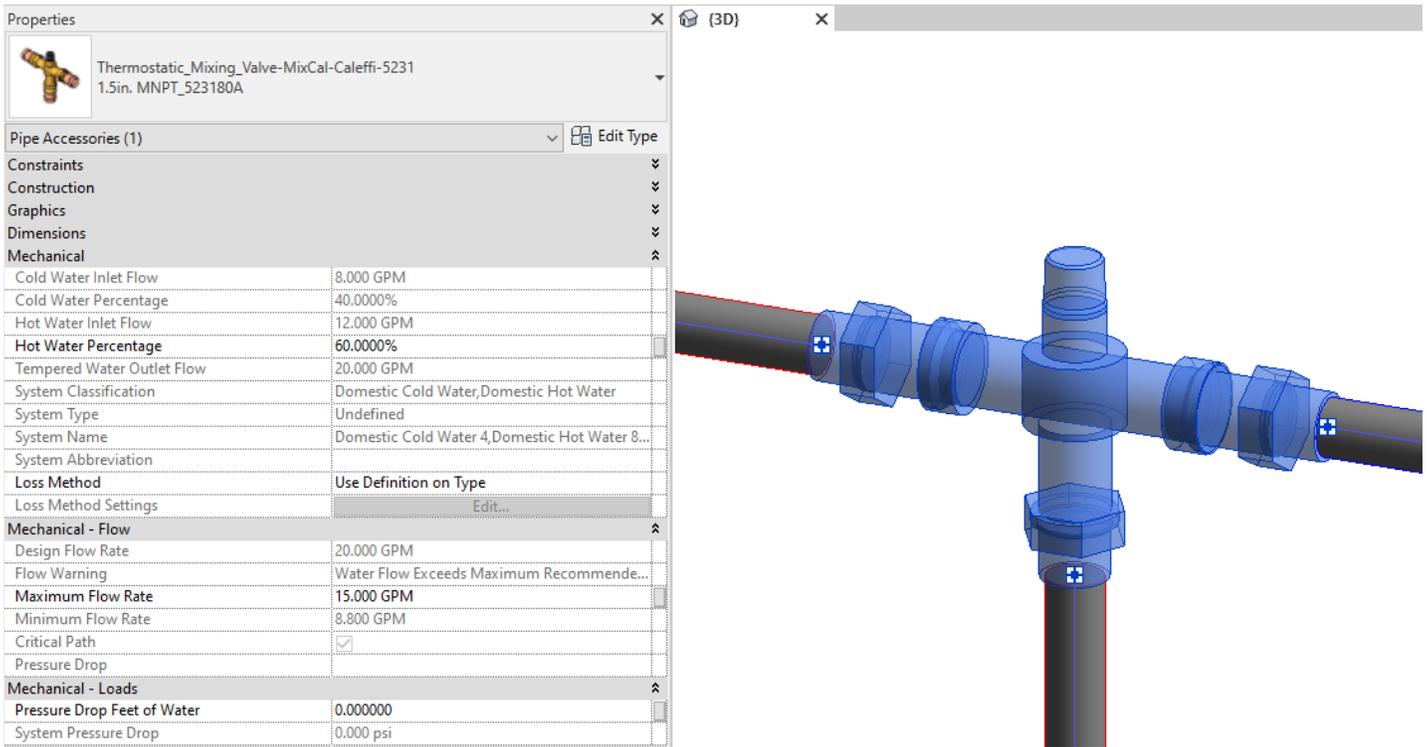


Figure 5 – The Caleffi 5231 MixCal Thermostatic Mixing Valve families can be found under pipe accessories in the project browser and placed directly onto pipe of the same size. It will then read flows and consider pressure drop in the system. In this case, it shows a message that the water flow exceeds the maximum allowable.

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 5231 MixCal Thermostatic Mixing Valve as well as separate quantities/counts of any separately purchased accessory products that do not come in box with the Caleffi 5231 MixCal Thermostatic Mixing Valve.

**For Technical Support call 1-414-338-6338, or
email techsupport.us@caleffi.com**