

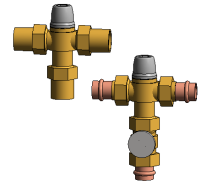
# TubMixer™ High-Flow Scald Protection Thermostatic Mixing Valves

© Copyright 2024 Caleffi

**5213 Series**

## Revit Content Instructions Guide

<b>Manufacturer &amp; Product:</b>	Caleffi 5213 TubMixer™ Scald-Protection Thermostatic Mixing Valve
<b>Files:</b>	<i>Thermostatic_Mixing_Valve-Scald_Protection-Caleffi-5213.rfa</i>
<b>Type Catalogs:</b>	<i>Thermostatic_Mixing_Valve-Scald_Protection-Caleffi-5213.txt</i>
<b>Rendering file:</b>	Not Applicable
<b>Schedule file:</b>	Not Applicable



The OBCaleffi 5213 TubMixer™ Scald-Protection Thermostatic Mixing Valve variations as follows:

1. Sizes include 0.5 in., 0.75 in., and 1 in.
2. Connection types include 3/8" compression, MNPT, PEX Crimp, PEX Expansion, Sweat, and Press
3. Option of temperature gauge on outlet

All the above variations are included as separate types in the type catalog or built into the family as applicable

### Instance Properties

Here is a curated list of notable parameters for the Revit user within the OBCaleffi 5213 TubMixer™ Scald-Protection Thermostatic Mixing Valve family.

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.
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.

### Type Properties

Here is a curated list of notable parameters for the Revit user within the OBCaleffi 5213 TubMixer™ Scald-Protection Thermostatic Mixing Valve families.

Identity Data	
Assembly Code	D2020
Contact URL*	<a href="http://www.caleffi.com/usa/en-us/contacts/contact-us">http://www.caleffi.com/usa/en-us/contacts/contact-us</a>
Copyright*	©Caleffi North America
Cost	
Description	Scald Protection Point-of-Use Thermostatic Mixing Valve (MNPT)
Family Version*	1
Keynote	
Manufacturer	Caleffi North America, Inc.
Model	521342A
Product Page URL*	<a href="https://www.caleffi.com/usa/en-us/catalogue/scald-protection-point-use-thermostatic-mixing-valve-npt-521342a">https://www.caleffi.com/usa/en-us/catalogue/scald-protection-point-use-thermostatic-mixing-valve-npt-521342a</a>
Type Comments	
Type Image	
Series*	5213 Series
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

^Indicates Standard certifications for the size/variation shown. Other size variations have different Standard certifications.

## 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 OBCaleffi 5213 TubMixer™ Scald-Protection Thermostatic Mixing Valve in Revit, a family and a type catalog are provided where applicable. Navigate to the Insert Tab > Load Family button on the Revit ribbon to load the family. 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.

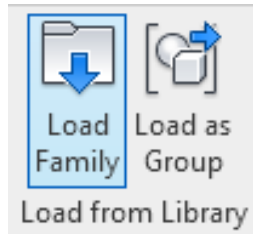


Figure 1 - Insert Tab > Load Family

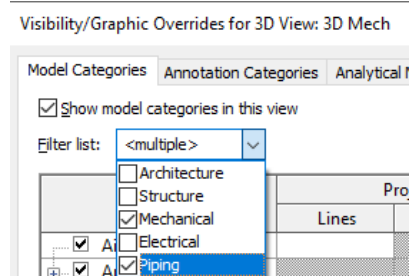


Figure 2 - Visibility/Graphic Overrides

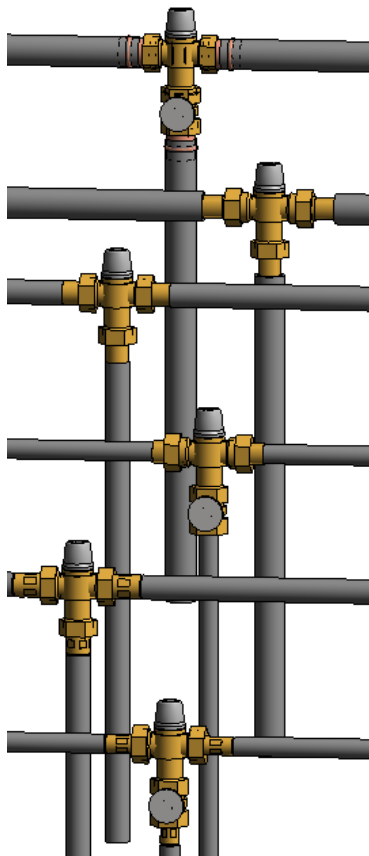


Figure 3 - OBCaleffi 5213 TubMixer™ Scald-Protection Thermostatic Mixing Valve

### Example variations of TubMixer (bottom to top)

- A. 0.5in. MNPT Union Connection TubMixer with Temperature Gauge (521342A 002)
- B. 0.75in. MNPT Union connection TubMixer (521352A)
- C. 0.5in. PEX Expansion connection TubMixer (521348A)
- D. 0.75in. PEX Crimp connection TubMixer with Temperature Gauge (521357A 002)
- E. 1in. PEX Expansion connection TubMixer (521368A)
- F. 1in. Press Union Connection TubMixer with Temperature Gauge (521366A 002)

## Project Behavior

One way to place a OBCaleffi 5213 TubMixer™ Scald-Protection 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.

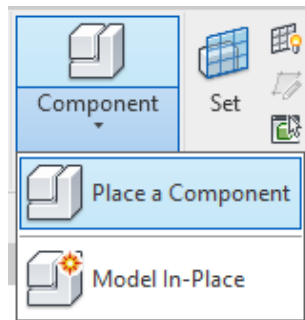


Figure 4 - Systems Tab > Component > Place a Component

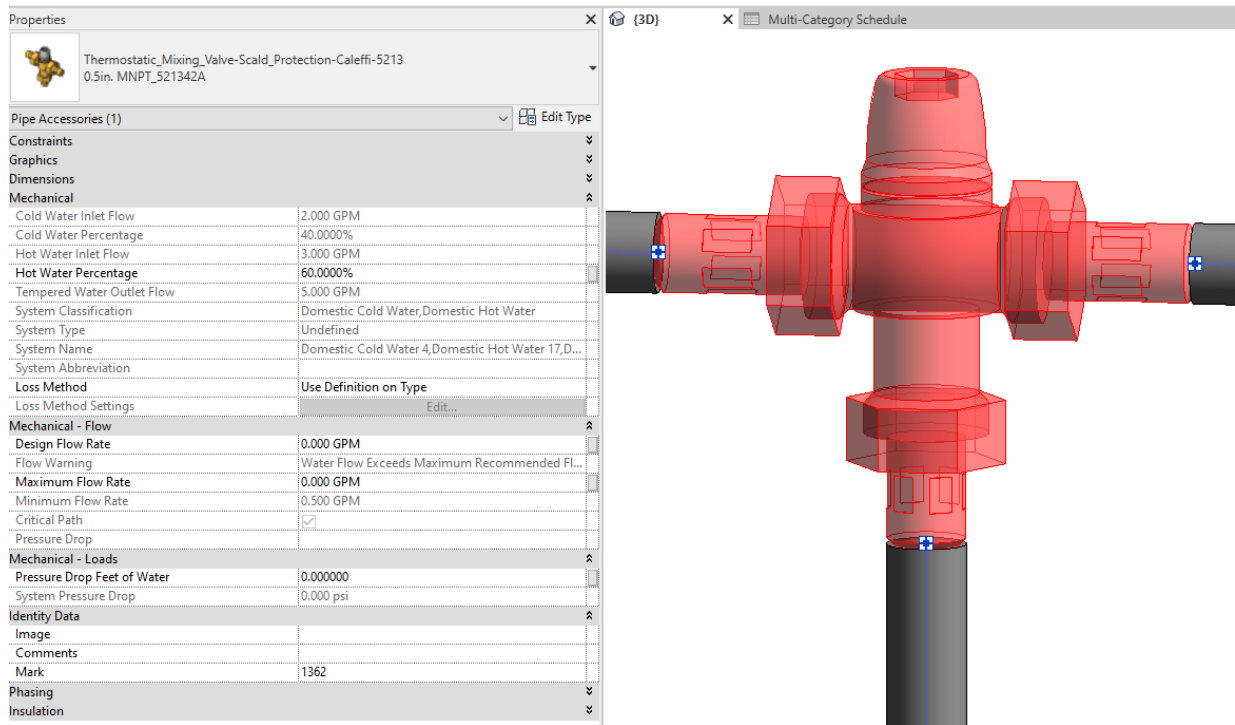


Figure 5 – The OBCaleffi 5213 TubMixer™ Scald-Protection Thermostatic Mixing Valve families can be found under pipe accessories in the project browser and placed directly onto pipe of the same size. It will then read flows and consider pressure drop in the system. In this case, it shows a message that 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 OBCaleffi 5213 TubMixer™ Scald-Protection Thermostatic Mixing Valve as well as separate quantities/counts of any separately purchased accessory products that do not come in box with the OBCaleffi 5213 TubMixer™ Scald-Protection Thermostatic Mixing Valve.