

# PivotMixer™ Point-of-Distribution Mixing Valve Assembly

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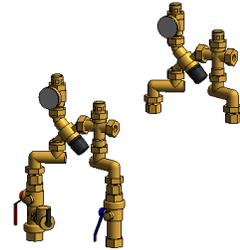
**520 Series**

## Revit Content Instructions Guide

**Manufacturer & Product:** Caleffi 520 PivotMixer and PivotMixer Combi

**Files:** *Mixing\_Valve-PivotMixer-Caleffi-Brass-520.rfa*  
*Mixing\_Valve-PivotMixer Combi-Caleffi-Brass-520.rfa*
**Type Catalogs:** Not Applicable

**Rendering file:** Not Applicable

**Schedule file:** Not Applicable


The 520 PivotMixer and PivotMixer Combi includes variations as follows:

- Sizes include 0.5 in., 0.75 in., and 1 in.
- Connection types include NPTF x NPTM, NPTF x Sweat, and NPTF x Press

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 Caleffi 520 PivotMixer and PivotMixer Combi family.

Construction	
Pivot Angle	This controls the angle of pivot arms
Pivot Connectors Center to Center	This shows the center-to-center distance between pivot arms after angle adjustment
Recirculating System	This enables the recirculating connector
Temperature Gauge Angle (default)	This controls the angle of the temperature gauge (when applicable)
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 Caleffi 520 PivotMixer and PivotMixer Combi families.

520 PivotMixer Combi

Identity Data	
Assembly Code	D3040
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	Water Heater Tank Mixing Valve, with Temperature Gauge
Family Version*	1
Keynote	
Manufacturer	Caleffi North America, Inc.
Model	520510APC
Product Page URL*	<a href="https://www.caleffi.com/en-us/point-of-distribution-mixing-valve-assembly-pivot-connectors-520-520519ap">https://www.caleffi.com/en-us/point-of-distribution-mixing-valve-assembly-pivot-connectors-520-520519ap</a>

Type Comments	
Type Image	
Series*	PivotMixer™
URL	<a href="https://www.caleffi.com/usa/en-us">https://www.caleffi.com/usa/en-us</a>

^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 Caleffi 520 PivotMixer and PivotMixer Combi 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

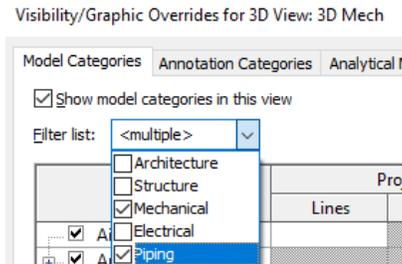


Figure 2 - Visibility/Graphic Overrides

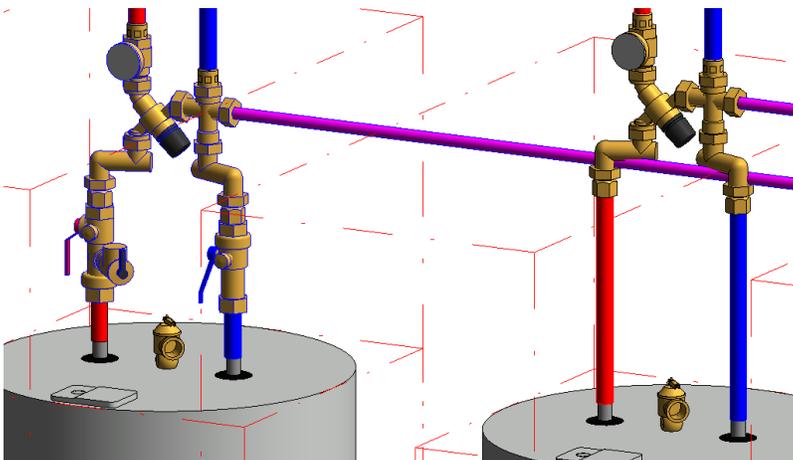


Figure 3 - Caleffi 520 PivotMixer and PivotMixer Combi

### Pivotmixer and Pivotmixer combi families placed on a water heater

- A. 0.75 in. NPTF x 0.75 in. NPTM Union connection PivotMixer Combi (left)
- B. 0.75 in. NPTF x 0.75 in. NPTM Union connection PivotMixer (right)

## Project Behavior

One way to place a Caleffi 520 PivotMixer and PivotMixer Combi is to go to the Systems Tab on the Revit ribbon and navigate to the Component button with Place a Component fly-out selected.

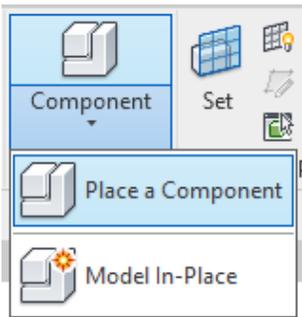


Figure 4 - Systems Tab > Component > Place a Component

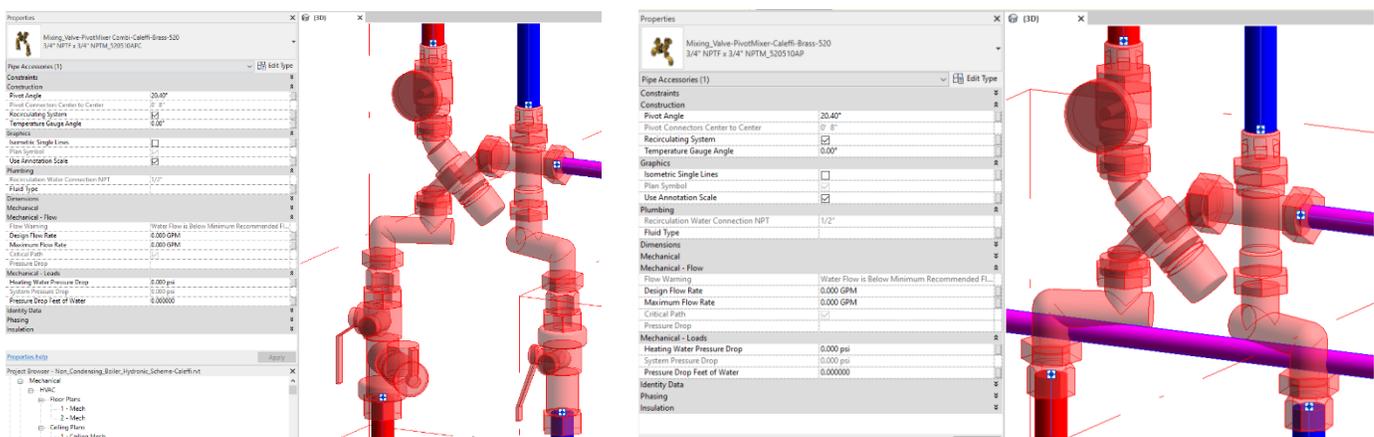


Figure 5 – The Caleffi 520 PivotMixer and PivotMixer Combi families can be found under pipe accessories in the project browser and placed directly onto pipe of the same size. It will then read flows and consider pressure drop in the system. In this case, it shows a message that the water flow exceeds 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 520 PivotMixer and PivotMixer Combi as well as separate quantities/counts of any separately purchased accessory products that do not come in box with the Caleffi 520 PivotMixer and PivotMixer Combi.