

3010, 3011, 3012, 3013 Diverter and Isolation Valves for Panel Radiators

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301 Series

Revit Content Instructions Guide

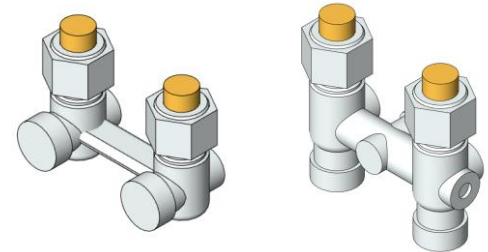
Manufacturer & Product: Caleffi 301X Diverter and Isolation Valves

Files: *Diverter_and_Isolation_Valves-Caleffi-3010_3012.rfa*
Diverter_and_Isolation_Valves-Caleffi-3011_3013.rfa

Type Catalogs: Not Applicable

Rendering file: Not Applicable

Schedule file: Not Applicable



This family contains the following main variations or types:

- Model numbers - 301040, 301241, 301140, 301341
- With or without balance knobs
- Straight pipe or 2-pipe angled versions

Instance Properties

Here is a curated list of notable parameters for the Revit user within the Caleffi 301X Diverter and Isolation Valves family.

Graphics	
Isometric Single Lines (default)	This controls the visibility of the 2D symbol in Elevation Views
Plan Single Lines (default)	This tells you if the 2D symbol is visible in Plan View
Mechanical - Flow	
► By-pass Flow Percentage (default)	This controls the percentage of bypass with a default set to 35%
Design Flow Rate (default)	This tells you the flow from the outlet of this component is read from the system.
Recirc Water Flow (default)	This tells you the recirculation flow that this component is reading in the system.
Mechanical - Loads	
System Pressure Drop (default)	Specify the pressure drop for this product

Type Properties

Here is a curated list of notable parameters for the Revit user within the Caleffi 301X Diverter and Isolation Valves family.

Identity Data	
Assembly Code	D2090800
Contact URL*	http://www.caleffi.com/usa/en-us/contacts/contact-us
Copyright*	©Caleffi North America
Cost	
Description	Valve for Panel Radiators (Straight and 2-pipe angled versions)
Version	1
Keynote	
Manufacturer	Caleffi North America, Inc.
Model	301140
Product Page URL*	https://www.caleffi.com/usa/en-us/catalogue/valve-panel-radiators-2-pipe-angled-version-301140
Type Comments	
Type Image	
Series*	301 Series
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 301X Diverter and Isolation Valves in Revit, a family with loaded types 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.

Instructions for connecting Caleffi 301X Diverter and Isolation Valves: Place the family in project environment. In any elevation view, drag one of the connector points on the family to the connector or pipe-end part of the system where the family needs to be connected.

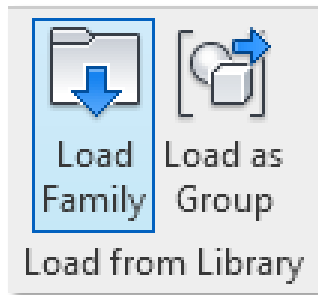


Figure 1 - Insert Tab > Load Family

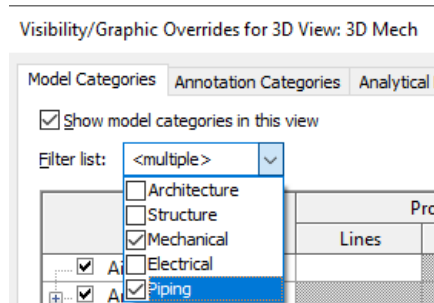


Figure 2 - Visibility/Graphic Overrides

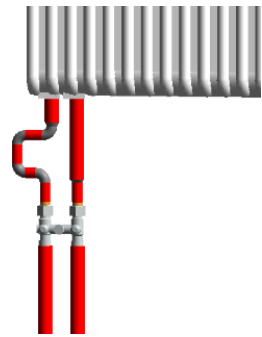


Figure 3 – Example placement with a panel radiator

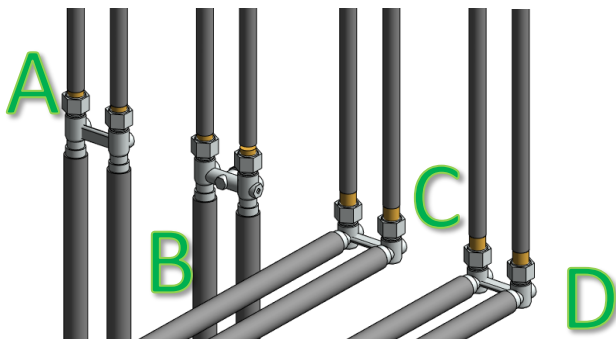


Figure 4 - Caleffi 301X Diverter and Isolation Valves

- A. 301040 – Without balance knob
- B. 301241 – With balance knob
- C. 301140 – 2-pipe angled
- D. 301341 – 2-pipe angled with balance knob

Project Behavior

One way to place a Caleffi 301X Diverter and Isolation Valves is to go to the Systems Tab on the Revit ribbon and navigate to the Component button with Place a Component fly-out selected.

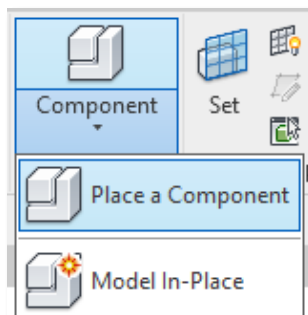


Figure 5 - Systems Tab > Component > Place a Component

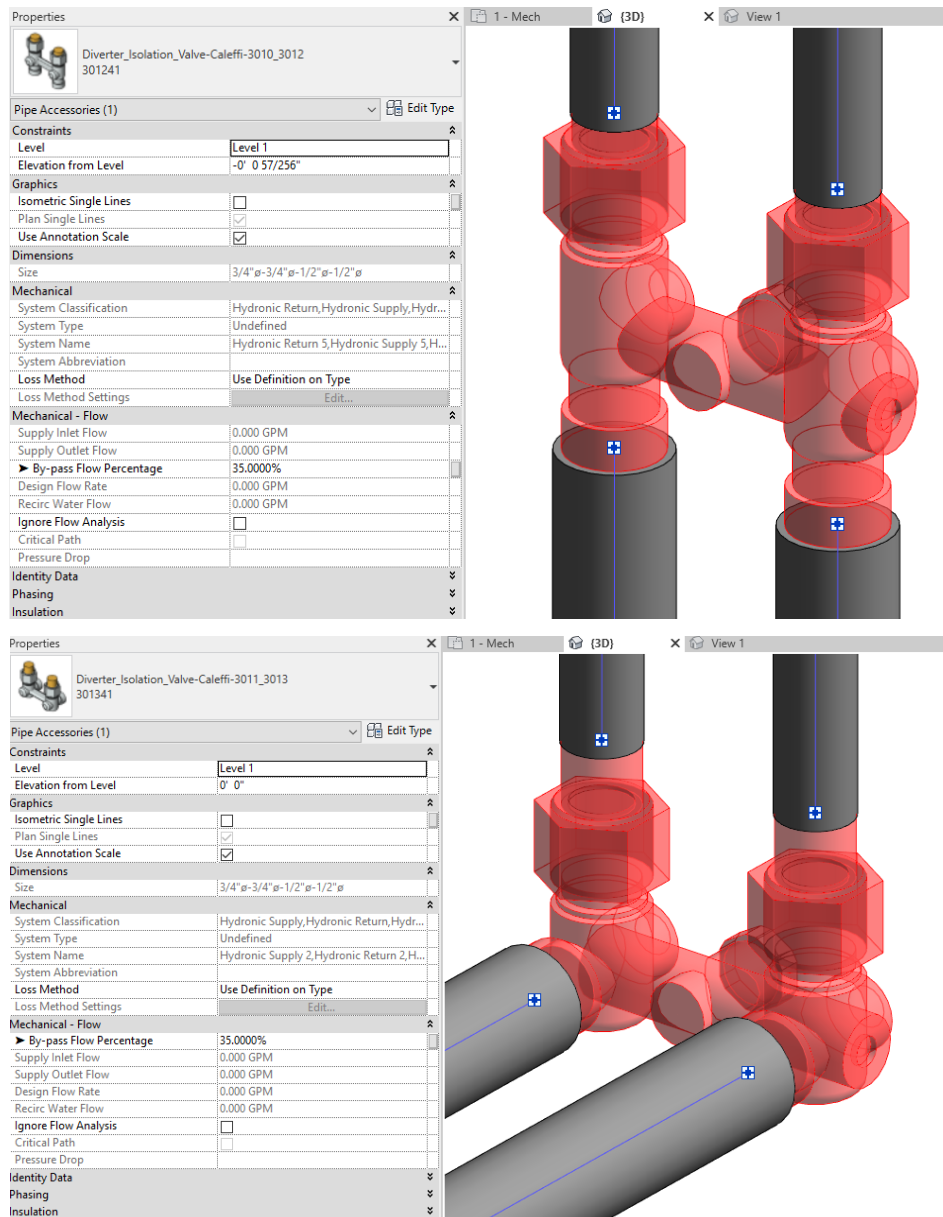


Figure 6 – The Caleffi 301X Diverter and Isolation Valves families can be found under pipe accessories in the project browser and placed directly onto pipe of the same size. It will then read flows and consider pressure drop in the system.

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 301X Diverter and Isolation Valves as well as separate quantities/counts of any separately purchased accessory products that do not come in box with the Caleffi 301X Diverter and Isolation Valves.