CALEFFI

Backflow Preventer

574 Series

Revit Content Instructions Guide

Manufacturer & Product:	**Caleffi 574 RPZ Backflow Preventer**
Files:	*Reduced_Pressure_Zone_Backflow_Preventer_Caleffi-Brass-574.rfa*
Type Catalog:	*Reduced_Pressure_Zone_Backflow_Preventer_Caleffi-Brass-574.txt*
Rendering file:	Not Applicable
Schedule file:	Not Applicable
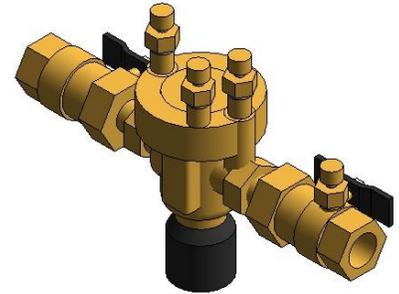
This family contains the following main variations or types:

- 0.5in. FNPT_574004A
- 0.5in. Press_574064A
- 0.75in. FNPT_574050A
- 0.75in. Press_574056A
- 1.25in. FNPT_574700A
- 1.25in. Press_574706A
- 1.5in. FNPT_574801A
- 1.5in. Press_574806A
- 1in. FNPT_574006A
- 1in. Press_574066A
- 2in. FNPT_574900A
- 2in. Press_574906A

Instance Properties

Here is a curated list of notable parameters for the Revit user within the Caleffi 574 RPZ Backflow Preventer family.

Mechanical - Flow	
Design Flow Rate (default)	This tells you the flow that this component is reading in the system.
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 574 RPZ Backflow Preventer family.

Materials	
Valve Body Material	Metal - Caleffi - Brass

Identity Data	
Assembly Code	D3040
Contact URL*	http://www.caleffi.com/usa/en-us/contacts/contact-us
Copyright*	©Caleffi North America
Cost	
Description	Reduced pressure zone backflow preventer (ASSE 1013) with four pressure test ports and inlet/outlet isolation ball valves
Family Version*	1
Keynote	
Manufacturer	Caleffi North America, Inc.
Model	574906A
Product Page URL*	https://www.caleffi.com/usa/en-us/catalogue/autofilltm-combo-testable-backflow-preventer-34-1-f-npt-574151a

Type Comments	
Type Image	
Series*	574 Series
Standards*	ASSE 1013/CSA B64.4; 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 574 RPZ Backflow Preventer in Revit, a family and a type catalog are provided. 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.
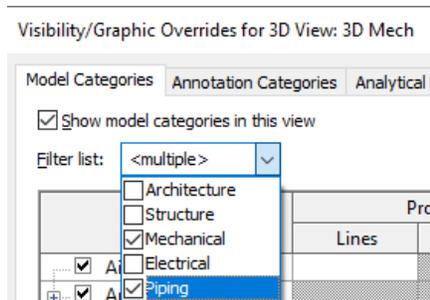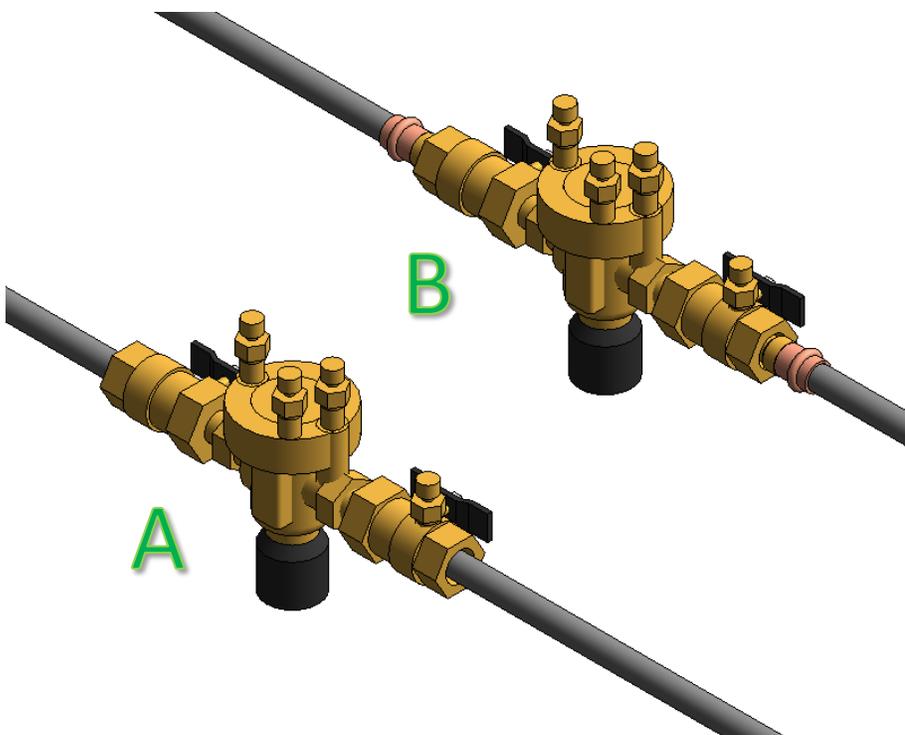

Figure 1 - Insert Tab > Load Family

Figure 2 - Visibility/Graphic Overrides

A. 574 Backflow Preventer with FNPT tailpieces
B. 574 Backflow Preventer with Press tailpieces

Figure 3 - Caleffi 574 RPZ Backflow Preventer

Caleffi North America

Project Behavior

One way to place a Caleffi 574 RPZ Backflow Preventer is to go to the Systems Tab on the Revit ribbon and navigate to the Component button with Place a Component fly-out selected.
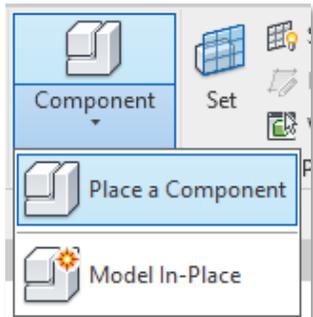

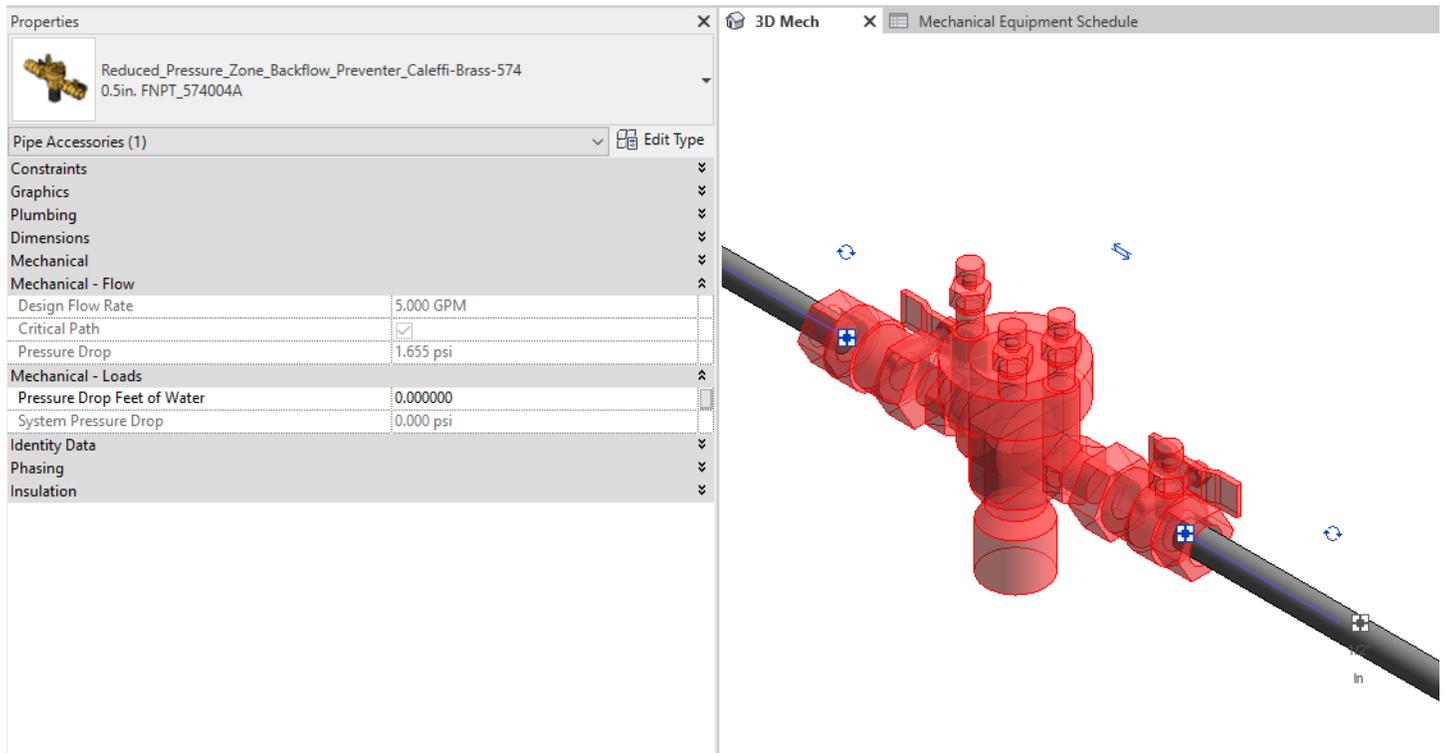*Figure 4 - Systems Tab > Component > Place a Component*

Figure 5 – The Caleffi 574 RPZ Backflow Preventer 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 574 RPZ Backflow Preventer as well as separate quantities/counts of any separately purchased accessory products that do not come in box with the Caleffi 574 RPZ Backflow Preventer.

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