

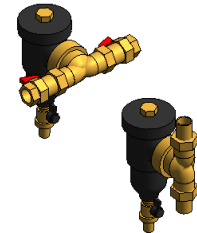
## DIRTMAG® - Dirt Separator with Magnet for Vertical or Horizontal Pipes

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NA5453 Series

### Revit Content Instructions Guide

<b>Manufacturer &amp; Product:</b>	Caleffi NA5453 DIRTMAG COMPOSITE
<b>Files:</b>	<i>Dirt_Separator-DIRTMAG_COMPOSITE-Caleffi-Brass-NA5453.rfa</i>
<b>Type Catalog:</b>	Not Applicable
<b>Rendering file:</b>	Not Applicable
<b>Schedule file:</b>	Not Applicable



This family contains the following main variations or types:

- 0.75in. FNPT\_NA545355 (with isolation valves)
- 0.75in. MNPT\_NA545305
- 0.75in. Press\_NA545365
- 0.75in. Sweat\_NA545395
- 1in. FNPT\_NA545356 (with isolation valves)
- 1in. MNPT\_NA545306
- 1in. Press\_NA545366
- 1in. Press\_NA545376A
- 1in. Sweat\_NA545396

### Instance Properties

Here is a curated list of notable parameters for the Revit user within the 0BCaleffi NA5453 DIRTMAG COMPOSITE family.

Construction	
Horizontal Configuration (default)	This controls horizontal or vertical configuration.
Vertical Configuration (default)	
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 0BCaleffi NA5453 DIRTMAG COMPOSITE family.

Materials	
Valve Body Material	Metal - Caleffi - Brass
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	DIRTMAG® dirt separator with magnet for horizontal and vertical pipes with or without isolation shut off valves
Family Version*	1
Keynote	
Manufacturer	Caleffi North America, Inc.
Model	NA545376
Product Page URL*	<a href="https://www.caleffi.com/usa/en-us/catalogue/dirtmagr-dirt-separator-magnet-vertical-or-horizontal-pipes-brass-na545305">https://www.caleffi.com/usa/en-us/catalogue/dirtmagr-dirt-separator-magnet-vertical-or-horizontal-pipes-brass-na545305</a>
Type Comments	
Type Image	

Series*	NA5453 Series
Standards*	Contact Sales
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

## 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 0BCaleffi NA5453 DIRTMAG COMPOSITE in Revit, a family is provided. Navigate to the Insert Tab > Load Family button on the Revit ribbon to load the family. If applicable, 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.

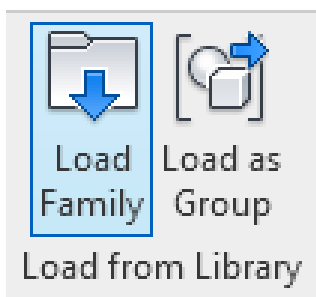


Figure 1 - Insert Tab > Load Family

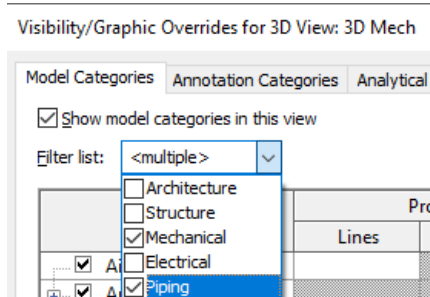
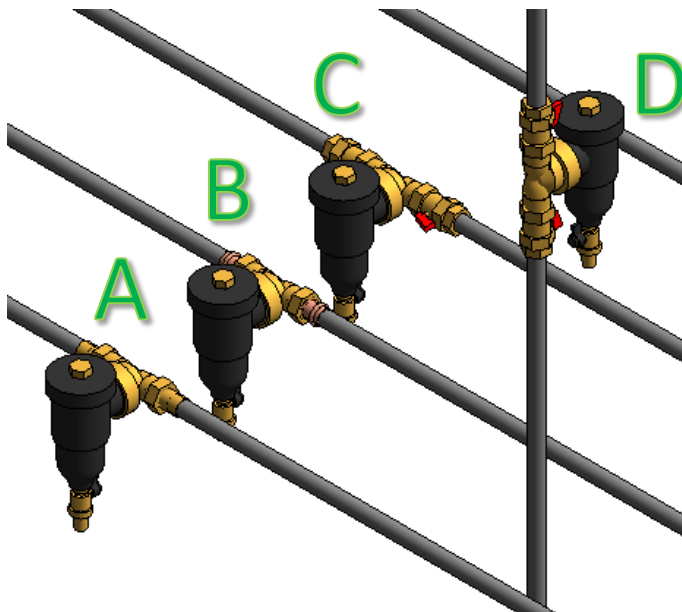


Figure 2 - Visibility/Graphic Overrides



- A. NA5453 DIRTMAG COMPOSITE with sweat tailpieces
- B. NA5453 DIRTMAG COMPOSITE with press tailpieces
- C. NA5453 DIRTMAG COMPOSITE with FNPT tailpieces and isolation valves
- D. Vertical placement of NA5453 DIRTMAG COMPOSITE with FNPT tailpieces and isolation valves

Figure 3 - 0BCaleffi NA5453 DIRTMAG COMPOSITE

## Project Behavior

One way to place a 0BCaleffi NA5453 DIRTMAG COMPOSITE is to go to the Systems Tab on the Revit ribbon and navigate to the Component button with Place a Component fly-out selected.

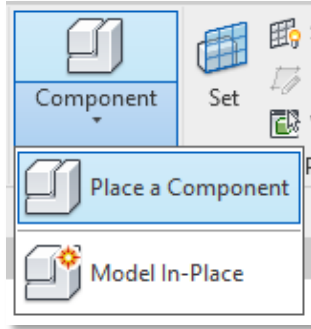


Figure 4 - Systems Tab > Component > Place a Component

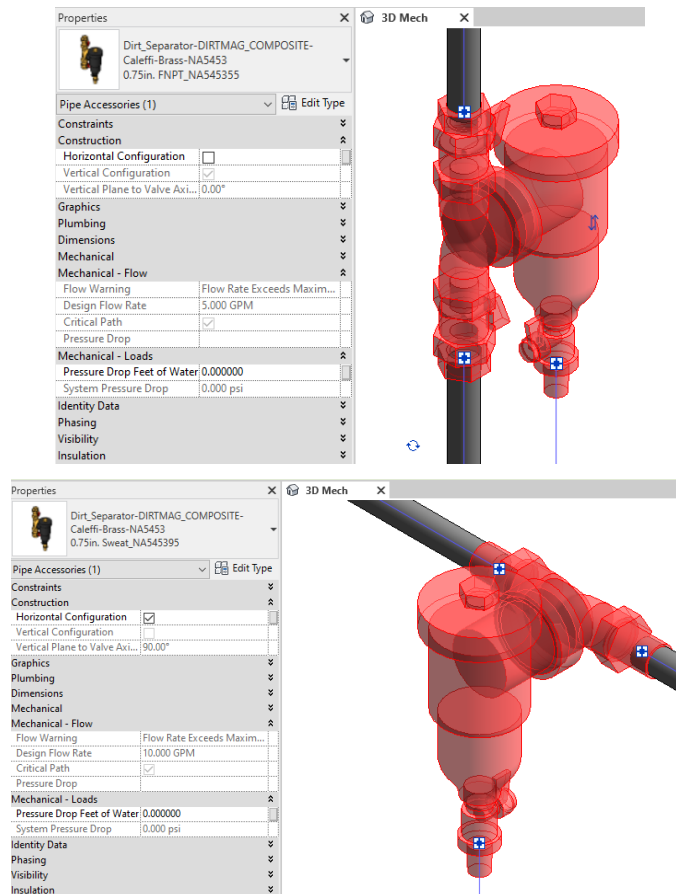


Figure 5 – The 0BCaleffi NA5453 DIRTMAG COMPOSITE family can be found under pipe accessories in the project browser and placed directly onto pipe of the same size. It will then read flows and consider pressure drop in the system. In this case, horizontal and vertical configurations with and without isolation valves are shown. A message that the design flow rate exceeds the maximum allowable can be seen for the example flow 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 Mechanical Equipment schedule in your project will show counts/quantities of the 0BCaleffi NA5453 DIRTMAG COMPOSITE as well as separate quantities/counts of any separately purchased accessory products that do not come in box with the 0BCaleffi NA5453 DIRTMAG COMPOSITE.

