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Spirax Sarco Limited
Separators
User Guide

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spirax sarco

Spirax Sarco Valve Types

Spirax Sarco offer a wide range of valve types as BIM components to suit all your building applications. All of the valve types typically work in the same manner and this user guide will outline the step-by-step process of getting the most out of these BIM components.

Loading the Type Catalogue

The Spirax Sarco Separator ranges are available in various sizes. To ensure that all of these sizes are covered in the Revit components a type catalogue has been set up to assist the user in selecting only the required sizes they need so as not to unnecessarily increase the model size with hundreds of unneeded valve variations. The zip file that you have just downloaded from bimstore will contain two important files to allow this type catalogue to work correctly, these are;

- the .rfa file (Revit family component)
- the .txt file of the same name (contains the type catalogue information)

Please ensure that when saving your component on to your system that you save both files to the same location.

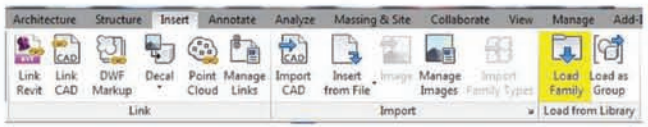
Please follow the below method using the type catalogue to load the component into your project.

Loading the Spirax Sarco Valves into your project

The Spirax Sarco valve components are modelled as MEP Pipe Accessory families that can simply be loaded into your project. This can be done using the following method:

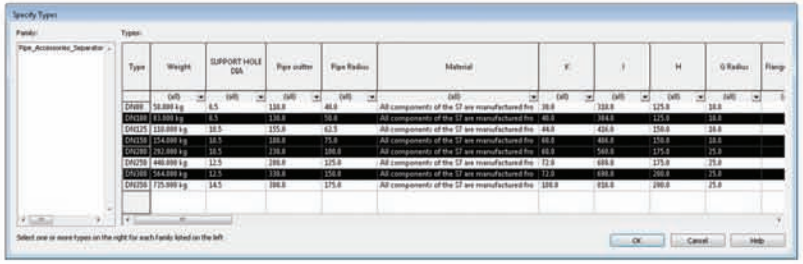
1. Open the Revit family containing your 'project', and navigate to a floor plan view.

2. Navigate to the 'Insert' tab on the main Revit ribbon and select 'Load Family'



3. Navigate to the location of the saved Spirax Sarco valve component that you have just downloaded from www.bimstore.co.uk. Note please refer to the loading the type catalogue section to ensure that you have saved the .txt file to the correct location.

4. The type catalogue selector will now appear (as per the image below) select the required sizes from the scroll menu, the selection will turn black once picked. To select multiple items hold shift.



5. Click OK to load these components into your project.

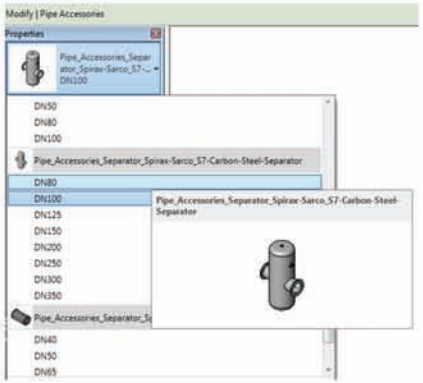
Placing the Spirax Sarco Valves into your project

Now the valves are loaded into your project you need to place them into your model. As the valves are created as pipe accessories you will need a pipe to be able to break the valves into. Revit MEP has standard pipes types, sizes and routing preferences (including reducers, tees, elbows etc). Please ensure that you have the correct pipe type set up to coordinate with the correct valve. You may wish to seek manufacturer guidance from Spirax Sarco to advise on the valve type to suit your pipe system. Below is an example of two standard pipe sizes in a project.

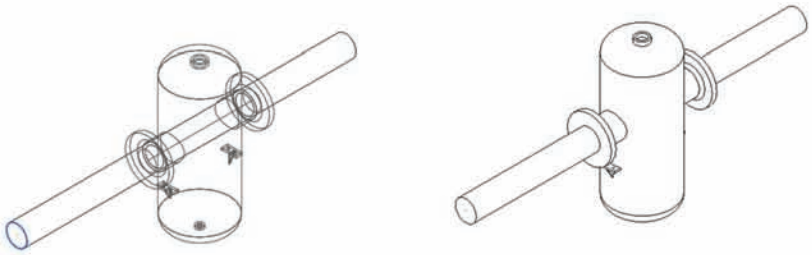
1. On the main Revit ribbon go to the 'Systems' tab. under the 'Plumbing & Piping' there is a button for 'Pipe Accessory' as indicated in the image.

Placing the Spirax Sarco Valves into your project continued .....

2. With 'Pipe Accessory' selected the valve types will appear in the 'Properties' dialogue box, typically on the left hand side of the screen. From the drop down at the head of this box you can see the valve type selected and you can click to reveal the drop down and pick one of the size variations available.



3. With the valve type selected you can now hover near the pipe and your valve fitting will appear. When you hover directly over the pipe the valve will rotate to be positioned in the same orientation as the pipe. Simply click the mouse to place the valve.



4. The valve is now part of the piping system. There are various options available to the user to be able to modify the setting out and the positioning of the valve. Firstly when viewed in plan view the flip arrow can be used to mirror the position of the valve.

Also if you require the valve to be rotated around the pipe, simply go to a 3D view and select the valve. You will now notice a rotate symbol appears, by clicking this the valve will rotate 90 degrees around the pipe at each click.

You can also rotate the valve to a specific degree by selecting the valve in an elevation or section view and using the rotate tool to position the valve to the desired position.

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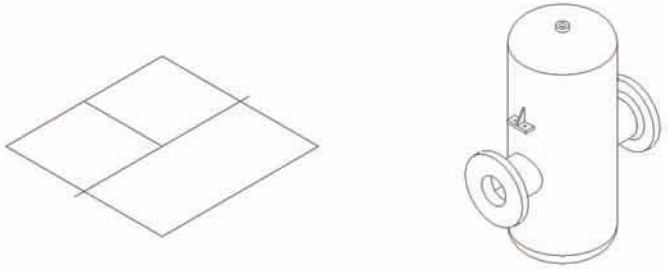
5. The Spirax Sarco valves have various levels of detailing built in to meet UK standards for Mechanical and Electrical drawings. By switching the detail level to coarse or medium the symbol definition of the valve type will be visible. Switching the detail level to fine will show the 3D geometry of the valve.

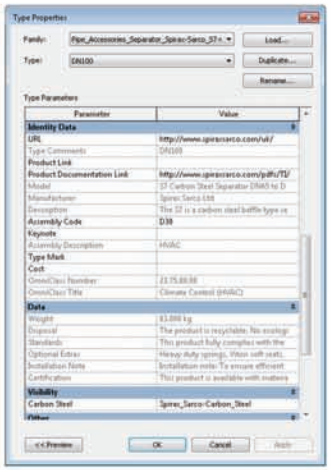


If a Spirax Sarco valve is placed into a larger or smaller pipe than the connection size of the valve, Revit will typically use a standard reducer / increaser set in the pipe type routing preference to make up the difference between the two sizes.

Please ensure that you are using the correct pipe type and sizes to ensure that the valves are correctly specified for your system, it is recommended that you seek guidance from the manufacturer directly, who will be happy to assist. Contact details for the manufacturer as well as URL links to their website are embedded into all valve components.

Spirax Sarco Manufacturer specific data

The Spirax Sarco valves contain a host of technical and manufacturer specific data to assist the user when building up their project or when scheduling the valves. To access the data embedded into the valves, simply select the valve and click the 'Edit Type' button at the head of the 'Properties' tab. All this information can be scheduled including URL links direct to Spirax Sarco and to the documentation links of the particular valve.



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Other Notes

You can add the Spirax Sarco Valve components to your company template file, this will mean they are available without loading when starting a new project.

Revisions

Version 1.0 - First Issue

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North East
Spaceworks
Benton Park Road
Newcastle Upon Tyne
NE7 7LX

T: +44 (0)191 223 6600
F: +44 (0)191 223 6610