SPC Online Coil Selector

Software User Guide

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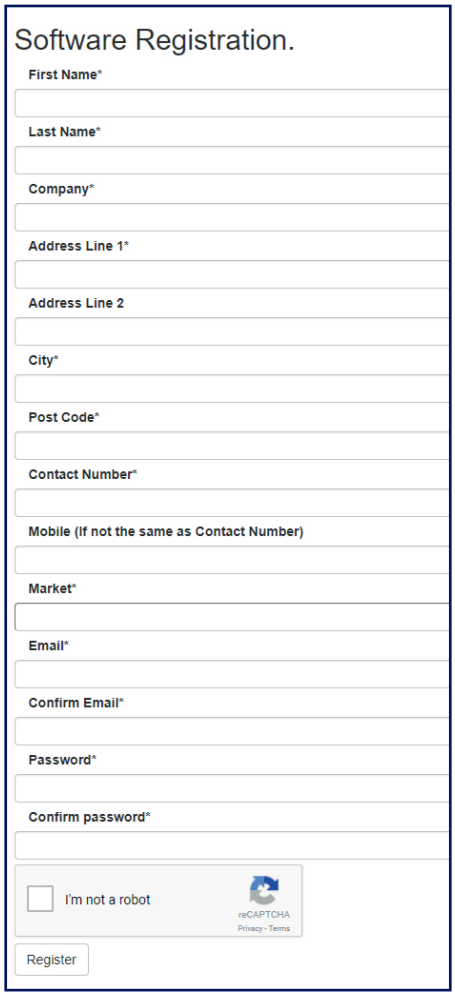
Signing up for SPC Online Coil Software

Using the following Link: www.spc-hvac.co.uk/resources/software/

You will be directed to the SPC Online Coil Selector Software. Here you'll be presented with a simple login screen. Click on the **Register** link to create your own customer account.

Registering to use Coil Software



Please ensure you click on the reCAPTCHA tick box so we know you're not a robot.

Once you've clicked **Register** you'll receive a confirmation email from our dedicated coil software email address. It'll contain a confirmation link to verify your account. Once you've verified your email address, you can log in and start using the coil selection software.

Thank you for registering as a user

of SPC Online Coil Selector Software.

Please click the link below to validate your email address

and gain access to the software.

Please confirm your account by clicking HERE

Please see attached pdf for our coil selection guide

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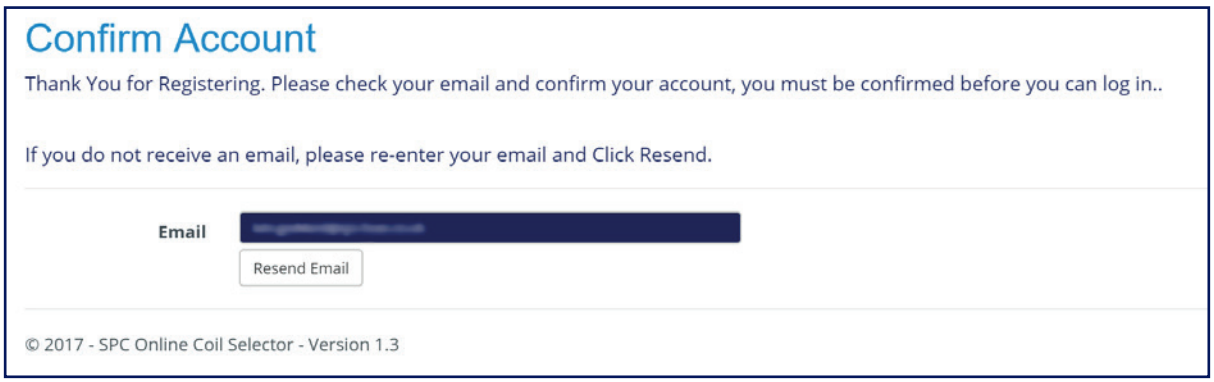
Should you require any further assistance please do not hesitate to contact us.

Please do not reply to this email as mailbox is not monitored.

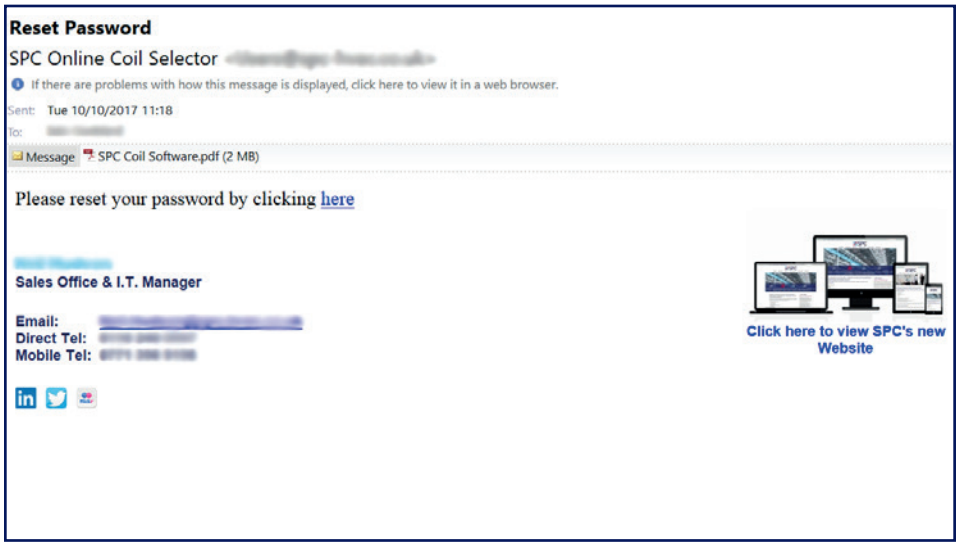
If you haven't received an email a minute or two after registering, take advantage of the **Resend Email** button on the confirm account page after you're sure that your email address was entered correctly.



Forgotten Password

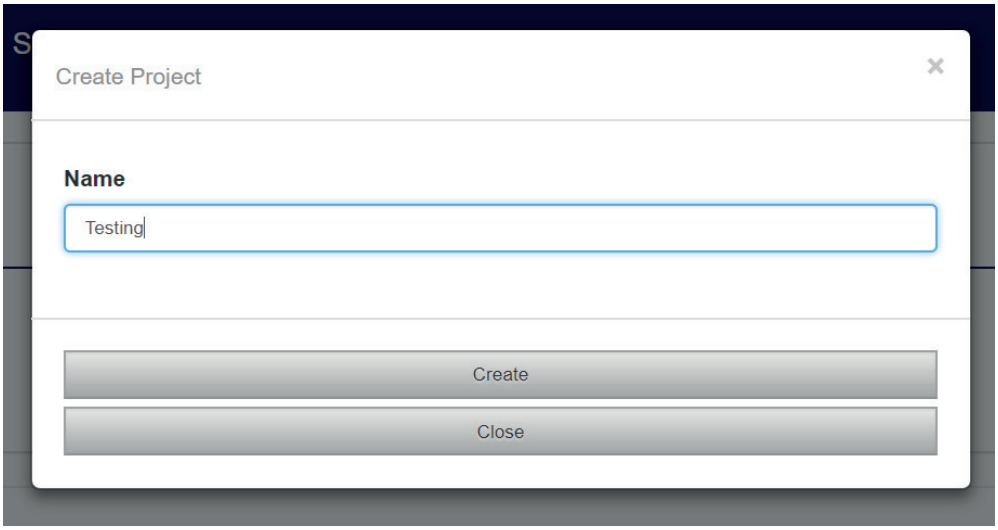
We all occasionally forget passwords, so we've implemented a **Forgotten your password?** link for everyone.

You'll receive an email from our users@spc-hvac.co.uk email address containing a link. Follow the link to a reset password page and enter in your new password. Once you've confirmed the details you'll be good to go!



Creating a Project

Before we can select a coil, we need to create a new project. Click on the **New Project** button to prompt a dialog box:



Then click the **Create** button to finish. Alternatively, you can cancel the project creation process by clicking the **Close** button.

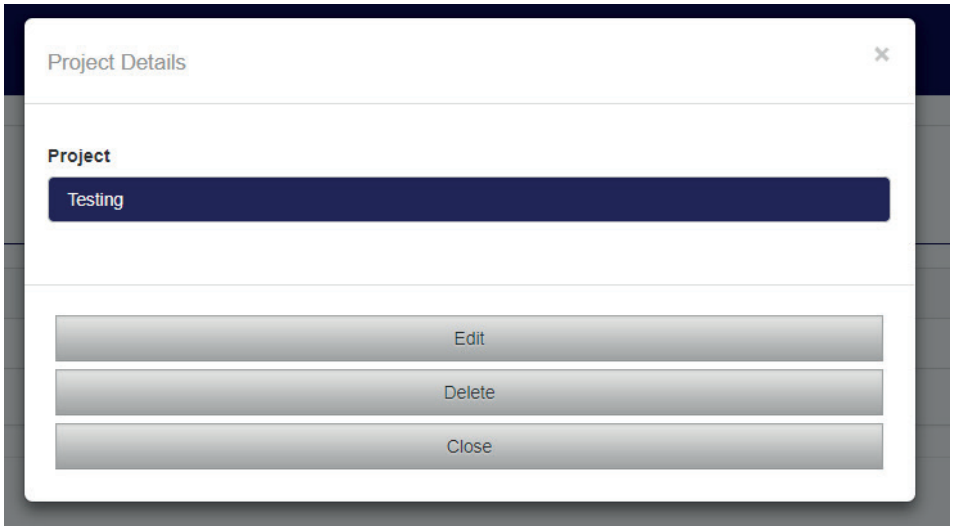
After creating a new project it will automatically assign your project with its own SPC quote number ready for you to add a new product.

Editing/Deleting an Existing Project

A list of projects will always be accessible using the **My Projects** button located on the web page's header:

You will be redirected to view a history of all your created projects with their corresponding SPC quote number, which is handy when talking to a sales engineer about a quote you've created yourself:

Clicking on a project will give you a short list of options.



Edit

Clicking **Edit** will take you to the coil selection area, allowing you to add or remove coils to amend your quote.

Delete

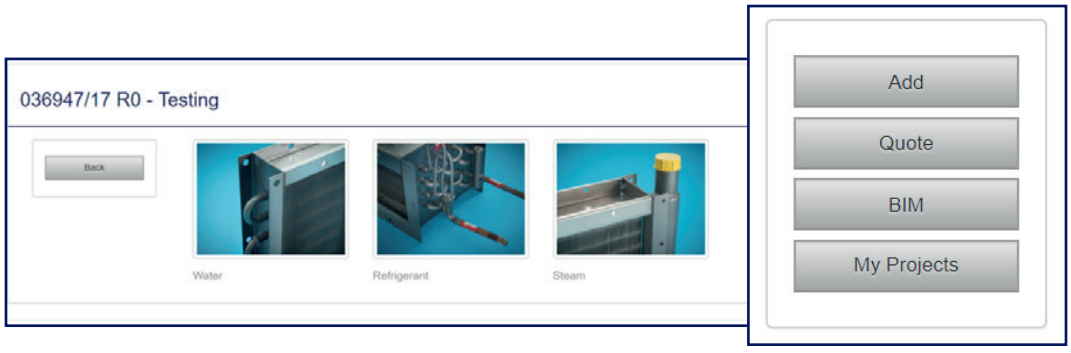
Clicking **Delete** will purge the selected project completely. Deleted projects cannot be recovered, so please pay special attention to the second windows prompt waiting for confirmation when deleting a project.

Close

Click **Close** to close the prompt and interact with another project. Alternatively you can click anywhere outside the prompted box to get the same effect.

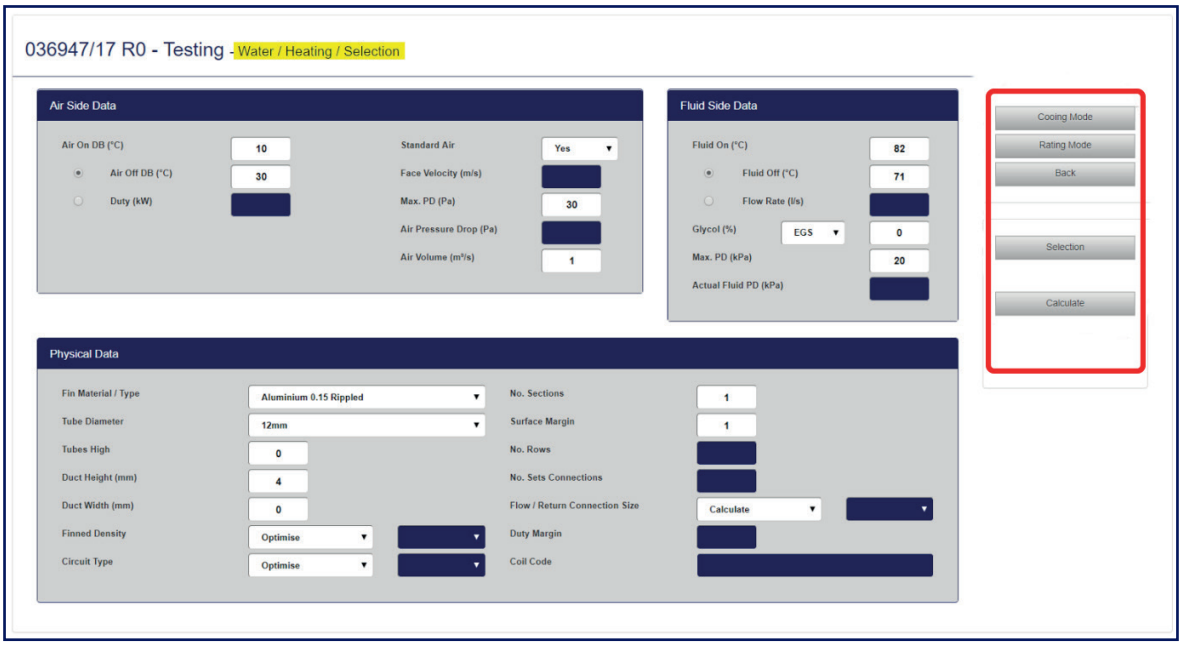
Coil Selection

Click the **Add** button on the right hand side menu to select the desired coil type:



Here you can select either a water coil, refrigerant coil or steam coil. Alternatively, click the **Back** button to navigate to your selections/project overview.

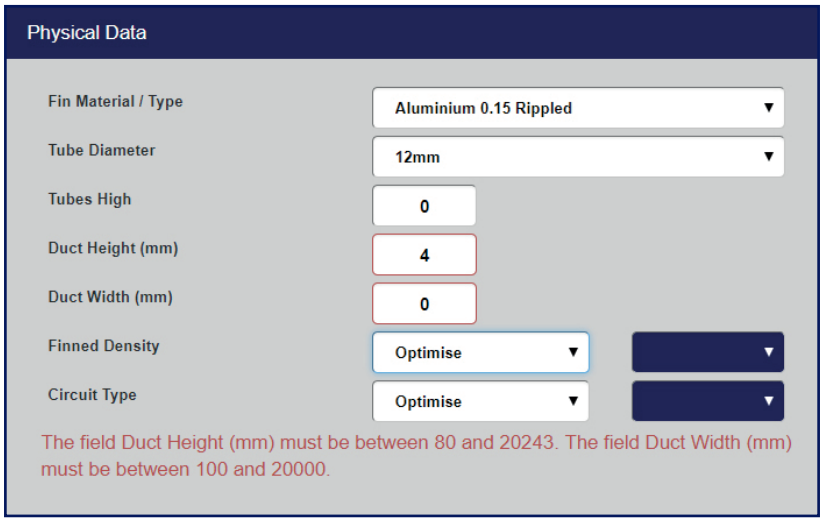
There are a few universal features you'll see on each of the coil types:



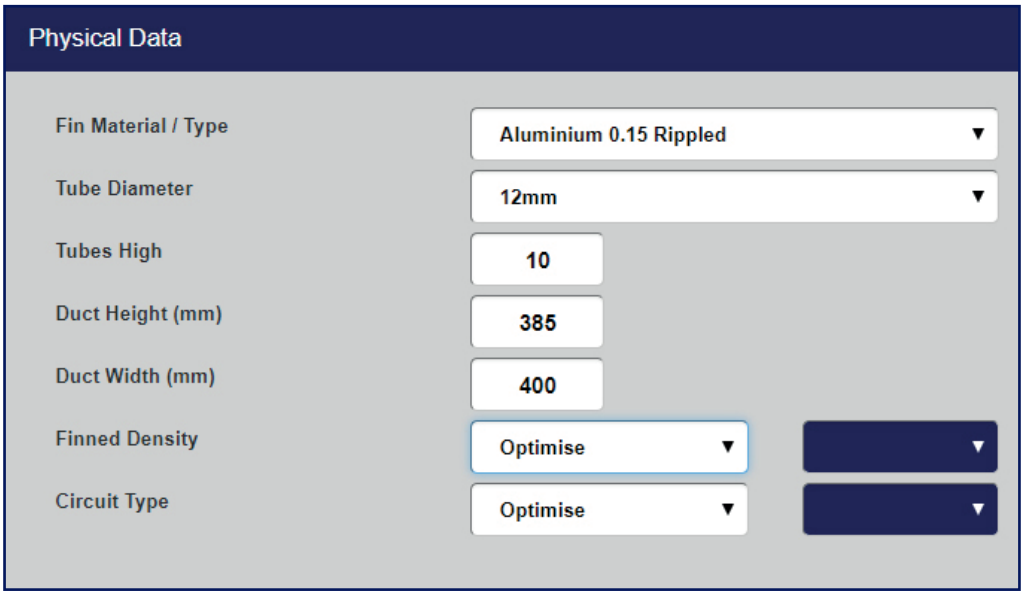
1. Highlighted above you'll see a short description of what you are currently selecting. In this example you'd be selecting a water heating coil. As each selection page is extremely similar keep an eye on this description to make sure you're selecting the correct product.
2. The blue fields cannot be edited. Once the white boxes have been filed with the appropriate data, clicking calculate will populate the blue fields with the optimal values.
3. The circled menu on the right hand side of the selection area has been optimised to a short simple menu with the following buttons:
    - **Heating Mode** - Changes the selection to heating coil
    - **Cooling Mode** - Changes the selection to cooling coil
    - **Rating Mode** - Uses Physical Data to automatically configure Air/Fluid Data
    - **Selection** - Reverts Rating Mode back to manual selection
    - **Calculate** - Takes input data to calculate optimal values for the blue fields
    - **Selection** - Reverts Rating Mode back to manual selection
    - **Calculate** - Takes input data to calculate optimal values for the blue fields
    - **Costing** - Redirects you to select the final aspects of the coil
    - **Save** - Adds the finished coil to your quote
    - **Back** - Takes user back to My Projects
4. While entering the coil details, all values entered will be checked against some set validation rules. If the inputs don't comply with the rules, a small block of red text will appear towards the bottom of the selection area to guide you in the right direction.

The coil selection process is straightforward and easy to use. All the inputs are appropriately labelled with the option to switch between pre-set options. For example, using Standard Air or setting unique parameters, calculated using Air Off (°C) or Duty (kW), using program selected Flow/Return Connection Sizes or configuring your own.

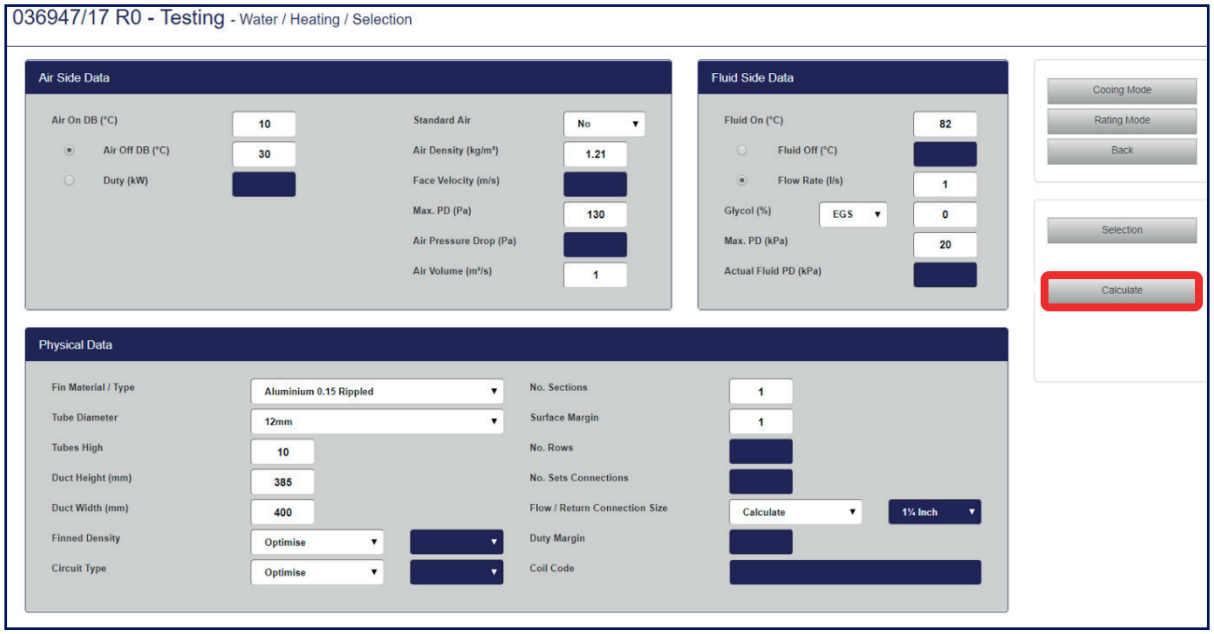
While entering your coil specifics, the SPC Online Coil Selector Software will test your inputs against a list of requirements and validation. Any issues with your coil selection that are either not possible or advised against will be highlighted in red. A short explanation will appear at the bottom of the selection to guide you through the selection. For example:



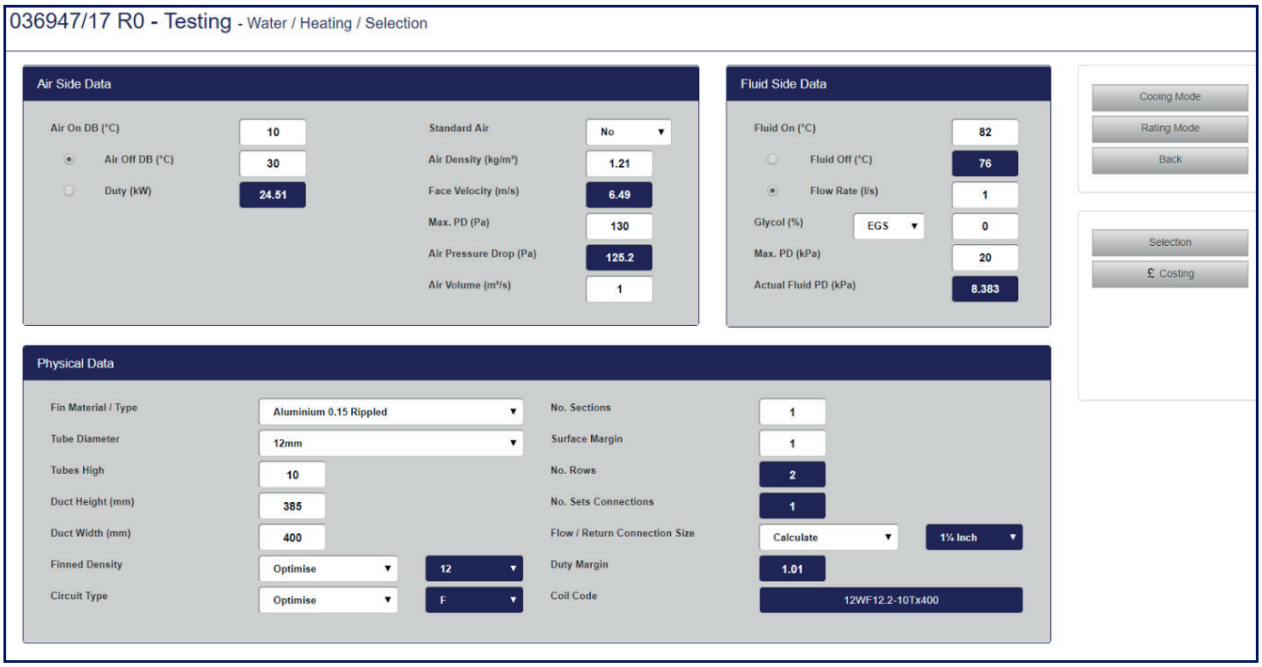
Trying to select a coil with a 4mm **Duct Height** is showing up a validation conflict. It is not possible to manufacture a 4mm height coil, so the red validation message gives a suggested **Duct Height/Width** range.



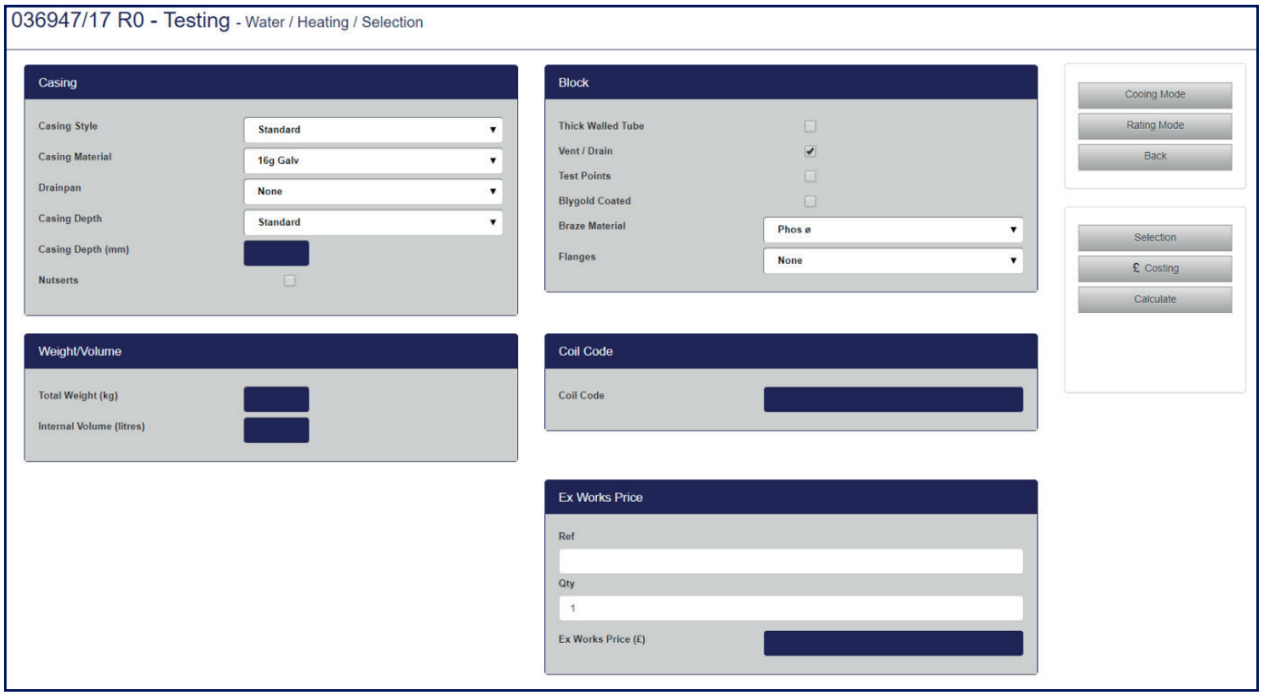
Entering a realistic **Duct Height/Width** value has bypassed the selection validation. In addition, using a 400mm **Duct Height** has rounded it to the closest optional coil size as well as automatically configuring the optional Tubes High value.



Once both you and the SPC Online Coil Selector Software are both happy with the coil selection, click Calculate on the right-hand side menu to finish the configuration.

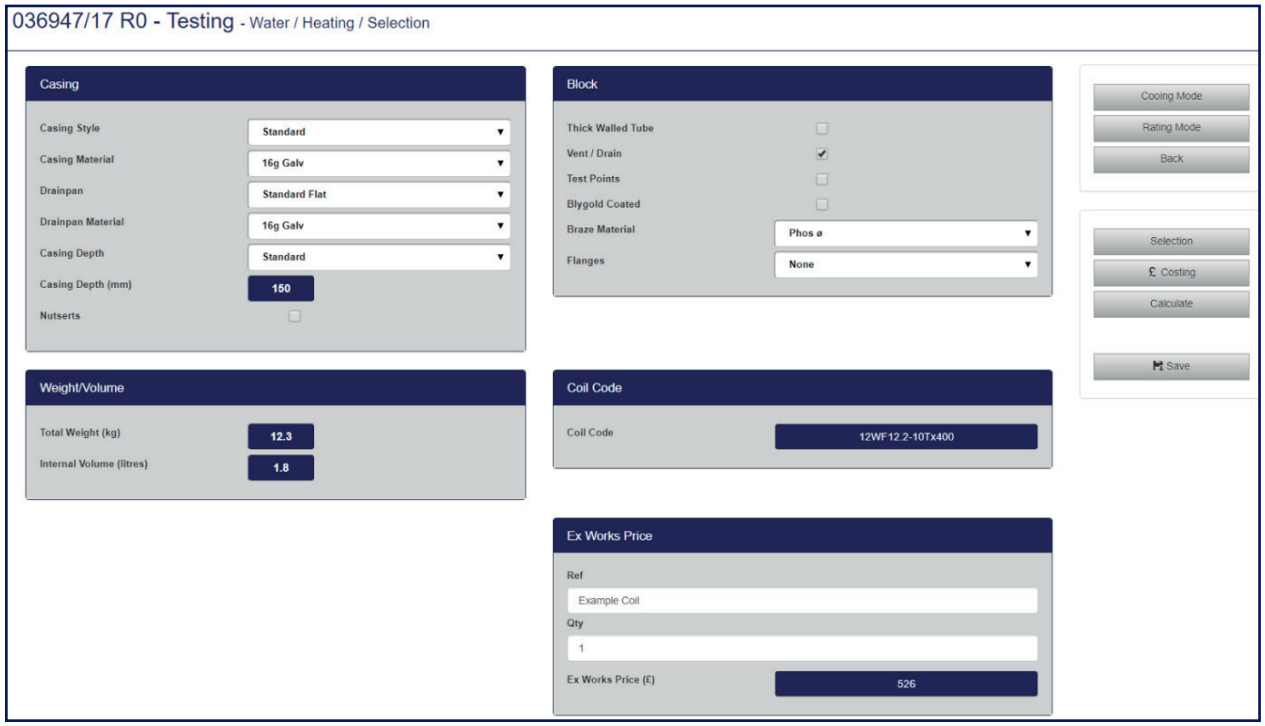


SPC Online Coil Selector Software will configure the rest of the coil with the optimal inputs. As the user you're able to gloss over the software's selection to make sure you're happy with the configuration. If so, click the new button on the right-hand side menu - **Costing.**



Lastly, you can configure the finishing touches of your coil. Once you've finished, give your coil a reference and a quantity then click on **Calculate.**

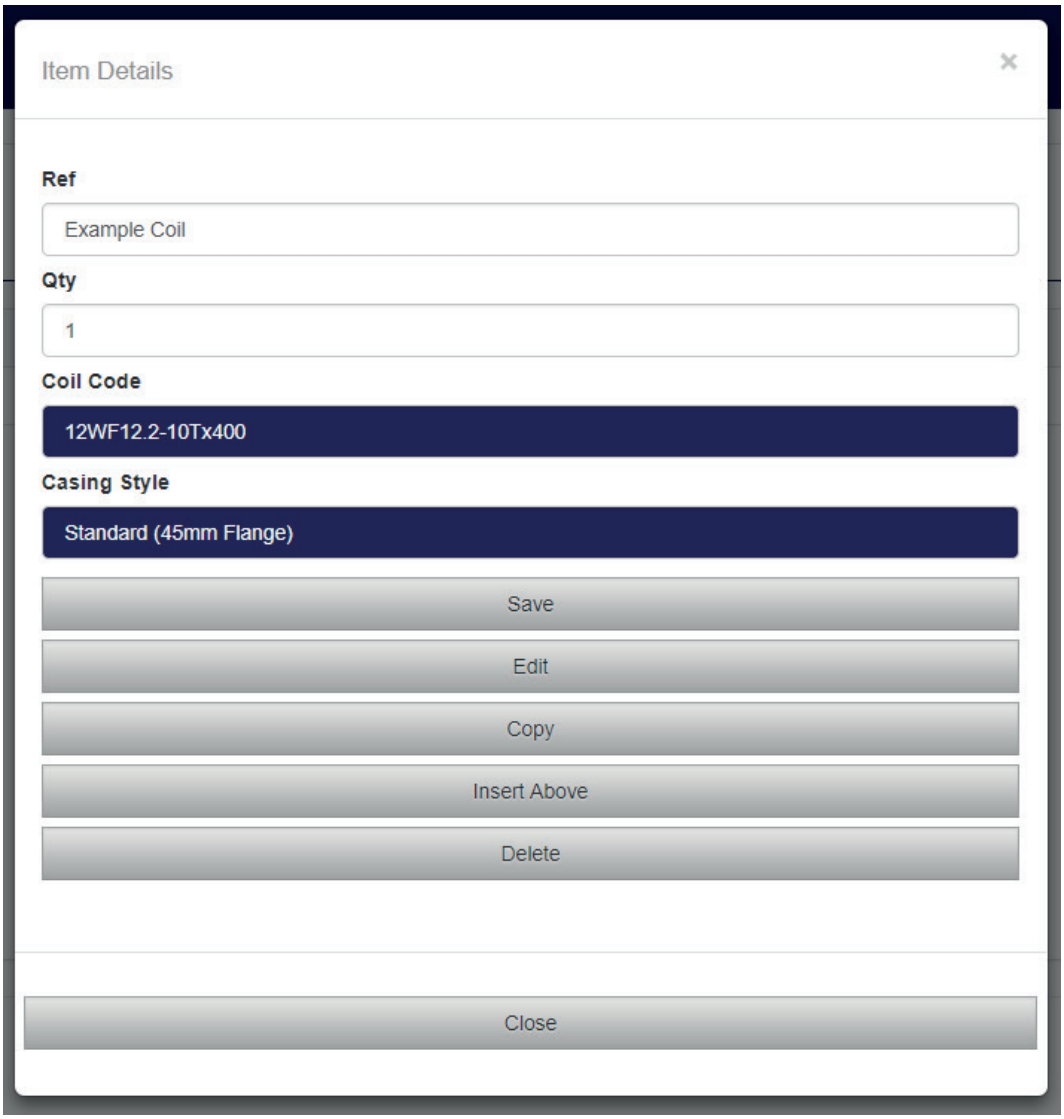
However if you feel you've missed something during the initial coil selection, click on the **Selection** button on the right-hand side menu to go back to the physical coil selection area.



Once you've double checked the finishing selection details, reference and cost, click on the **Save** button to add the coil to your quote.

After the coil has been saved, you'll be redirected to your quotation overall view. The new coil has been added to your selection list displaying a few key columns of information as well as the cost being added to your quote value.

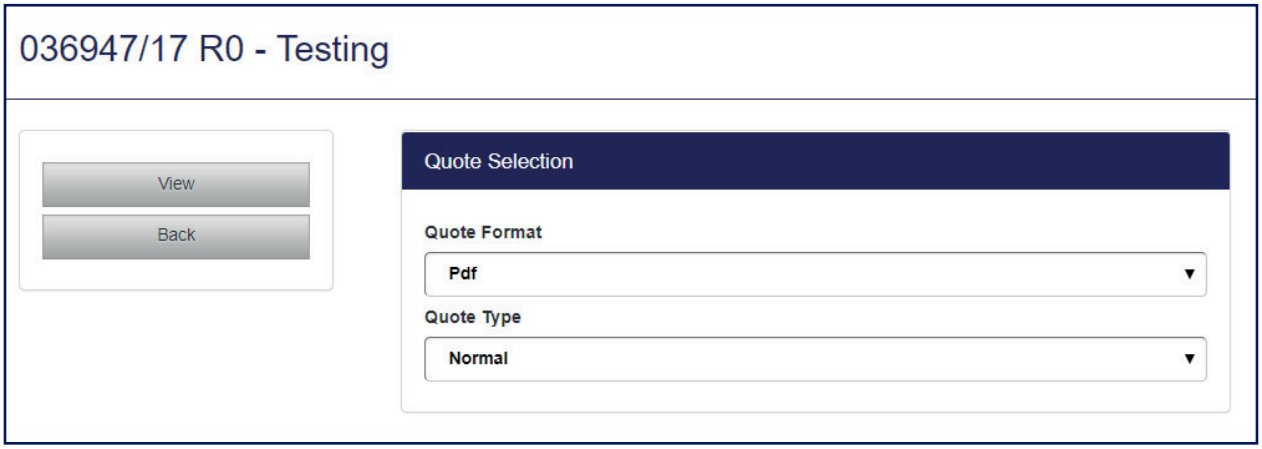
From here you can also interact with your previously selected coils:



- **Save** - Change coil Reference and Quantity then save the changes.
- **Edit** - Edit the coils selection and recalculate the coils configurations.
- **Copy** - Duplicate coil. Useful when selecting multiple similar coils.
- **Insert Above** - Insert another coil above the selected.
- **Delete** - Removes coil from quote. Coils cannot be recovered once deleted.
- **Close** - Closes the dialog box.

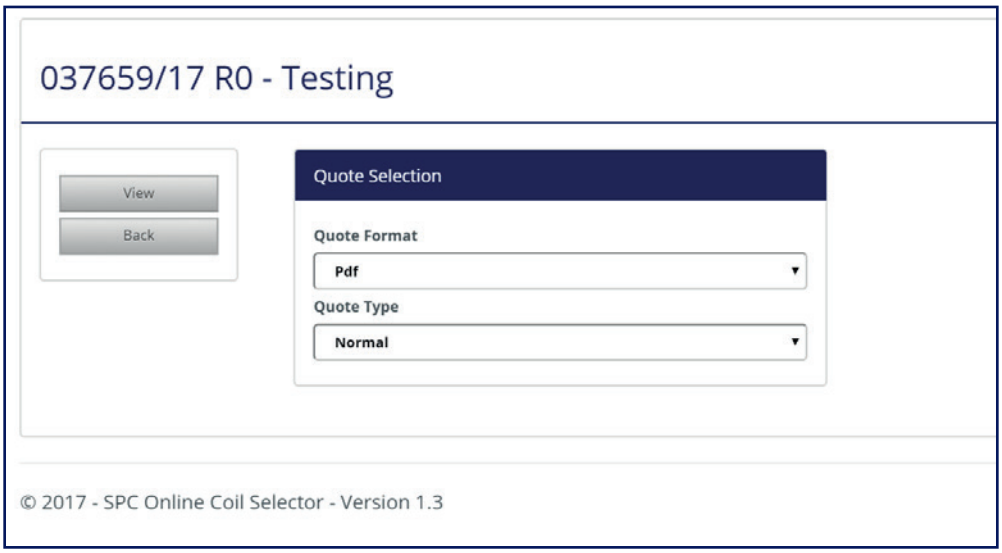
Creating Quote

With all of your coils selected you can click on the **Quote** button on the right-hand side menu.



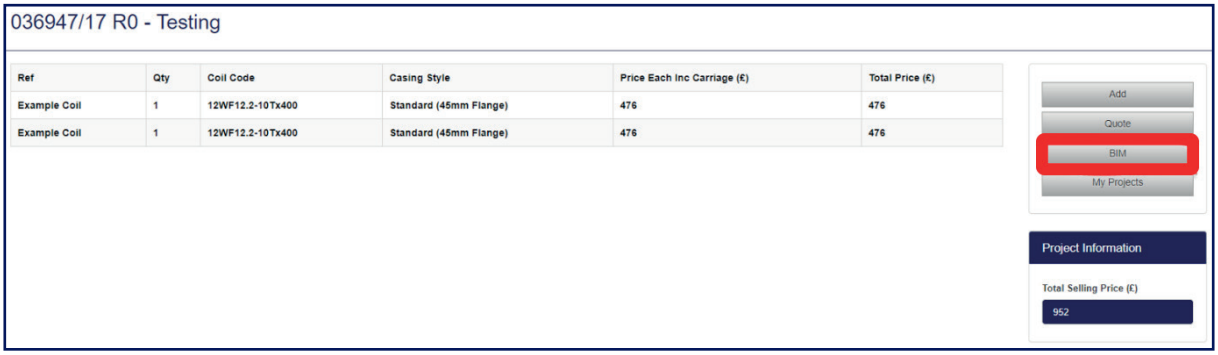
All quotes are only available for download in a PDF format. You can however check the quote type.

After selecting your quote type, click **View** to download the PDF. If you are using Google Chrome, Google Chrome will act as a PDF viewer if you do not have one installed.



BIM Objects

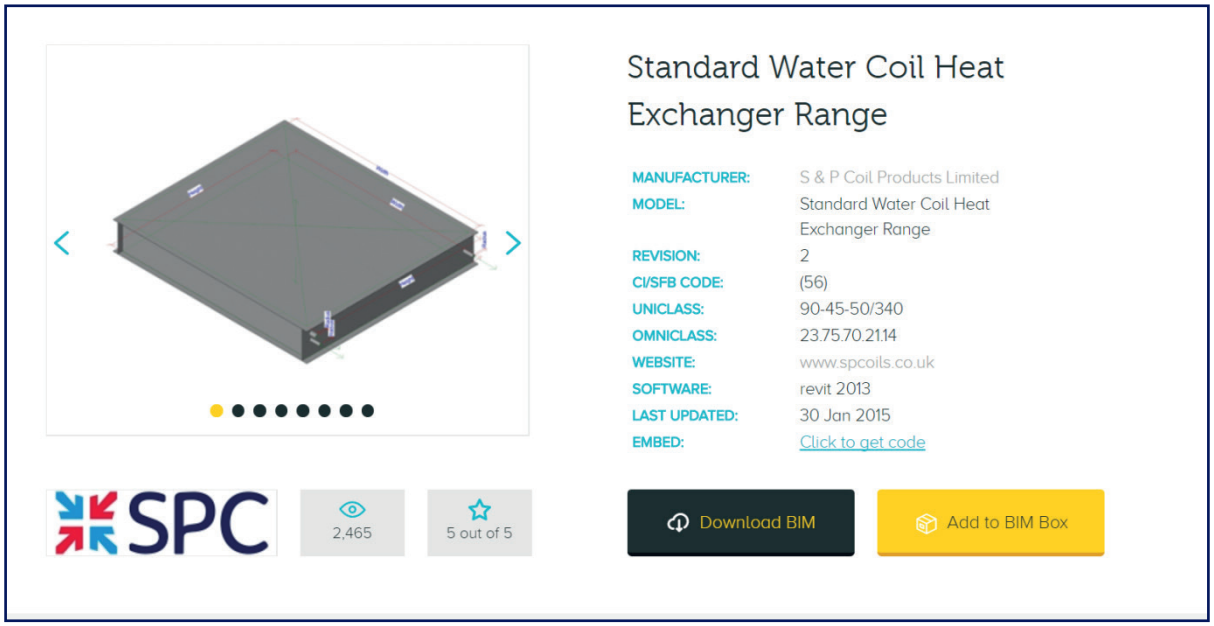
All coils selected using the SPC Online Coil Selector Software will have a corresponding set of BIM Objects ready to insert into a Revit Model. Navigating back to your quote overview, with at least one coil selected click on the **BIM** button on the right-hand side menu:



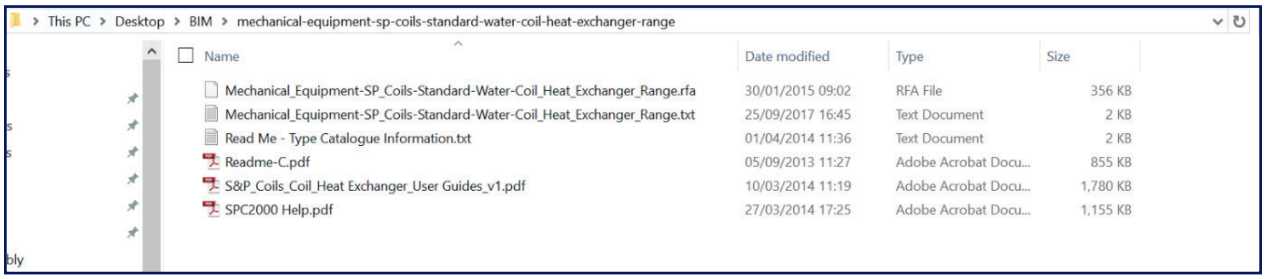
During our example we've only selected one type of coil - Standard Water Coil.

On this view you'll see two download links. One for the Type Catalogue (.txt) and the other being a raw Revit file (.rfa).

Download each of these files by following the links. The .txt file will download from the SPC Online Coil Selection Software, however the .rfa Revit download link will redirect you to the BIMStore.



Please note when trying to insert the Revit model into your version of Autodesk both files need to be in the same file directory:



An easy way to do this is extract the files from BIMStore's .zip file, then drag and drop the SPC .txt file into the extracted BIMStore folder.

For a short walk through of inserting a BIM model into a Revit Model, click on the following link https://youtu.be/UuxRqWCmB0w.

PART OF THE CARVER GROUP

SPC House
Evington Valley Road
Leicester
LE5 5LU

T: 0116 249 0044
E: spc@spc-hvac.co.uk
spc-hvac.co.uk