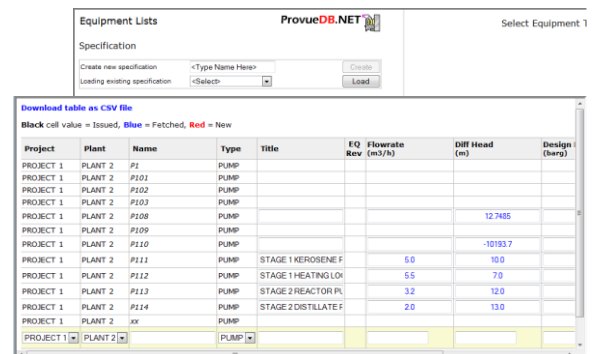


Part 2 – Equipment Lists

This short self-paced tutorial will show you to use ProvueDB.NET to create and maintain equipment lists online.



Starting ProvueDB.NET

1. Open your web browser and enter address www.provuedb.net.

2. On the ABB Connect^{IT} website login with the user credentials you have been given.

Note: If this is your first time logging in you will be prompted to enter a new password.

3. Enter your User Name and Password and click **Login**.

4. In the Connect^{IT} toolbar at the bottom of the browser window, click the **Provue** button.

5. Select the **ABB Demo database** and click **Equipment Lists**.

We will now create a specification file. This file remembers all data items we want to retrieve from the database and how we want it listed – the column headers, units of dimension, etc. In fact everything except where the data is to be retrieved from.

6. Enter a name for the specification file (such as pumps followed by your user id) and click **Create**.

We will restrict this equipment list to pumps.

7. Scroll down the list of equipment types and click **PUMP**.

The pane to the right lists the valid datasheets for a pump. We are going to select fields from the Process and Mechanical datasheets. The fields go blue when they have been selected. If you select the wrong field click on it again to deselect it.

8. In the list of datasheets, click **Process** to show the Pump Process datasheet in the far right pane and click the **Flowrate** field on line 18 in column 1 and the **Differential Head Across The Pump** on line 46, column 1.

9. In the list of datasheets, click **Mechanical** and click the fields **Design Pressure** and **Design Temperature** on line 12.

The last thing we want to do is to add meaningful names for the columns.

10. Scroll down to the **Selected Fields** list and add column names as follows:

Selected fields

Equipment	Datasheet	Field	Units	Column Name
PUMP	Process	VOLFLOW1	m ³ /h	Flowrate
PUMP	Process	HEADDIFFACROSSPUMP1	m	Diff Head
PUMP	Mechanical	DESPRESS	barg	Design Pressure
PUMP	Mechanical	DESTEMP	C	Design Temp

That completes the specification so we now need to select the project(s) and plant(s) to supply the data. We don't have many options with this database but with a working database there could be many to choose from.

11. Scroll down to the **Selected Projects/Plants** list and select the **PROJECT 1 / PLANT 2** checkbox and click **Show Results**.

ProvueDB retrieves the selected data fields from all the pumps in PROJECT1 / PLANT 2 and shows them in a spreadsheet.

We will now use Equipment Lists to add some more pumps to the database.



12. Below the last row of the table, enter a new pump, **P110** (or the next available number). Enter the data as shown below and then click **Save Changes** to add the data to the database.

<i>Pump</i>	<i>Title</i>	<i>Flowrate</i>	<i>Diff Head</i>	<i>Design Pressure</i>	<i>Design Temp</i>
P111	STAGE 1 KEROSENE RECIRCULATION PUMP	5.0	10.0	3.0	20.0

The values are initially in red as you add them, but change to blue when you click **Save Changes**.

13. Add four more pumps (with the next sequentially available numbers).

<i>Pump</i>	<i>Title</i>	<i>Flowrate</i>	<i>Diff Head</i>	<i>Design Pressure</i>	<i>Design Temp</i>
P112	STAGE 1 HEATING LOOP PUMP	5.5	7.0	2.5	22.0
P113	STAGE 2 REACTOR PUMP	3.2	12.0	2.0	37.0
P114	STAGE 2 DISTILLATE PUMP	2.0	13.0	2.0	37.0
P115	STAGE 2 EXTRACTION VESSEL PUMP	4.2	9.0	2.5	15.0

14. Click **Back to Specification** to close the spreadsheet and return to the Equipment List window.



15. Click the **ProvueDB** button, select the same database and click **Datasheets** to open the Datasheets view.

16. Expand the tree-view to check that the pumps have been added successfully. Expand any of the pumps to see that a process and a mechanical datasheet have been added.

17. Click the **Tools** tab and click **Equipment Lists** to open in a new browser window.

18. In the Load existing specification list click your Pumps specification and click **Load**. Scroll to the bottom and click **Show Results** to get back to the spreadsheet view.

Now, let's see what a printout of the spreadsheet would look like.

19. Right-click the background of the spreadsheet and click **Print-Preview**.

Now let's export the data as a csv list and open in Microsoft Excel.

20. In the top left of the spreadsheet, click **Download table as CSV file**. Click **Save** and browse as required to save the file to your desktop as **MyPumps.csv**. Then click **Open** to open in Microsoft Excel.

This program is developed, maintained and supported by PEL Support Services, ABB. We run a Hotline telephone and email service to answer any queries about the PEL products. You can contact us:

E-mail: pel.support@gb.abb.com
 Telephone: +44 (0)1925 74 1126
 Fax: +44 (0)1925 74 1265
 Website: www.pelsoftware.com

Post: PEL Support Services
 ABB Limited
 Daresbury Park, Daresbury
 Warrington, Cheshire, WA4 4BT