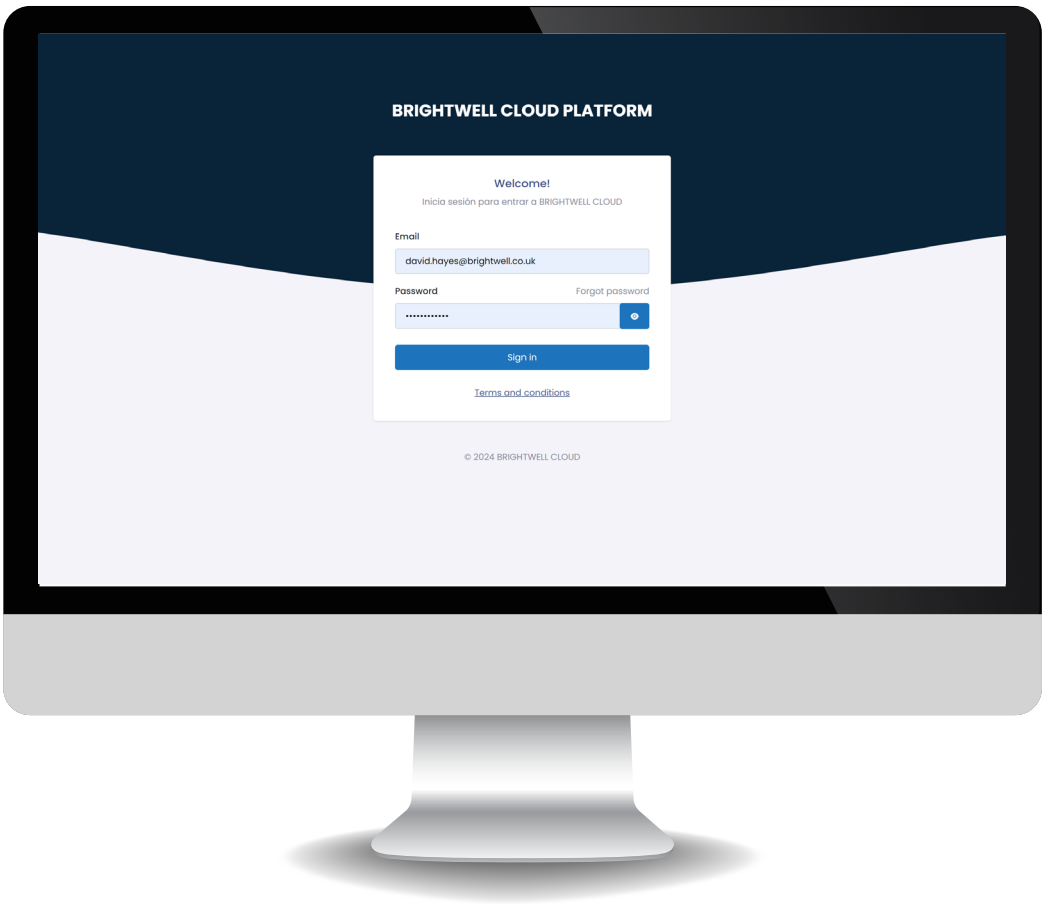
BRIGHTWELL



MULTIPLEX PORTAL CONFIGURATION

INDUSTRIAL LAUNDRY DOSING SYSTEM

INSTALLATION - SETUP

Revision 1.0
07/2024
B1089US

CONTENTS

CONNECTING YOUR MULTIPLEX UNIT TO THE CLOUD 4

CLOUD OVERVIEW AND INFORMATION 4

CONNECTING TO THE CLOUD 5

HOME PAGE OVERVIEW 6

ACCESSING YOUR COMPANY 7

MY COMPANY OVERVIEW 7

EDITING YOUR COMPANY SETTINGS 8

ADDING OR EDITING NEW AREA 9

ADDING OR EDITING AN EXISTING DISTRIBUTOR 10

ACCOUNT PERMISSIONS AND SECURITY 11

ACCESSING YOUR USERS 12

MY USERS OVERVIEW 12

EDITING YOUR USER ACCOUNT 13

ADDING OR EDITING A STANDARD USER ACCOUNT 14

ACCESSING YOUR PRODUCT CATALOGUE 16

PRODUCT CATALOGUE OVERVIEW 16

PRODUCT CATALOGUE INFORMATION 17

EDITING OR ADDING A PRODUCT 18

ACCESSING YOUR SITES DASHBOARD 19

SITES DASHBOARD OVERVIEW 19

CREATING A NEW OR EDITING AN EXISTING SITE 20

EDITING A SITES MAIN PARAMETERS 21

EDITING USERS FOR A SITE 25

EDITING A UNIT 26

ACCESSING CHANNELS, WASHER EXTRACTORS, FORMULAS AND DATA TRANSFER 28

UNIT CONFIGURATION OVERVIEW 29

EDITING CHANNEL PARAMETER SETTINGS 30

PRODUCT PAGE OVERVIEW 35

Revision 1.0
08/2024
B1089US

ADDING OR EDITING YOUR PRODUCT SETTINGS 36

WASHER EXTRACTORS OVERVIEW 40

EDITING OR ADDING A WASHER EXTRACTOR SETUP 41

FORMULAS OVERVIEW 47

EDITING OR CREATING A NEW FORMULA 48

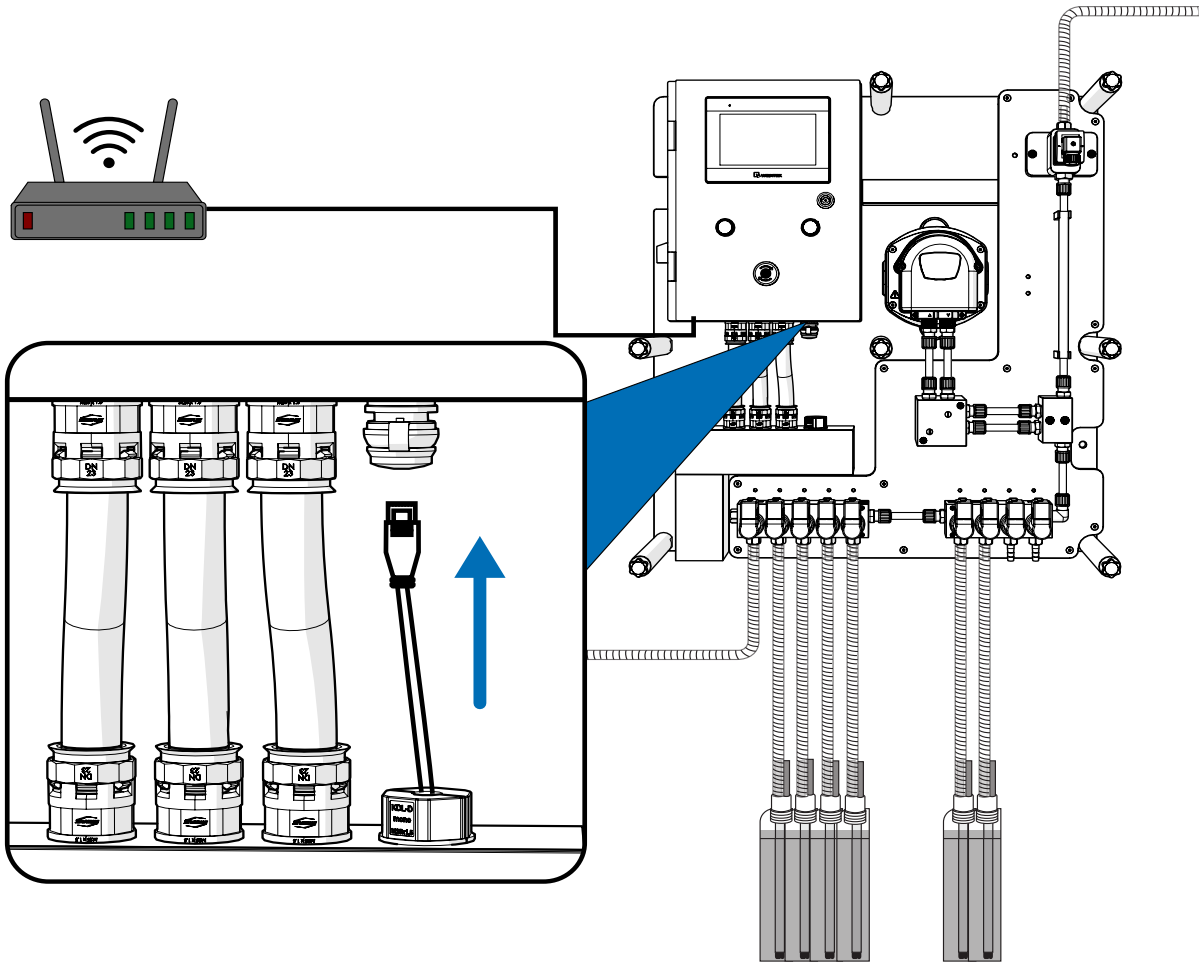
DATA TRANSFER OVERVIEW 52

DATA TRANSFER SAVING A JSON FILE 53

STATISTICS 54

CONNECTING YOUR MULTIPLEX UNIT TO THE CLOUD

To utilise the cloud system for your Multiplex unit you will need to have a valid internet connection connected via the Ethernet slot on the bottom of the control cabinet.



Please allow up to 5 minutes for the unit to establish a connection to the cloud service before trying to connect.

If you do not have an internet connection, or cannot connect to your unit. Please refer to either our **Web Server Configuration Tool Instruction Manual** that allows you to setup your unit via the built in configuration tool for **Multiplex 1 and 1 Pro**, or our **On Board Screen Configuration Manual** for **Multiplex 2 and 2 Pro**.

CLOUD OVERVIEW AND INFORMATION

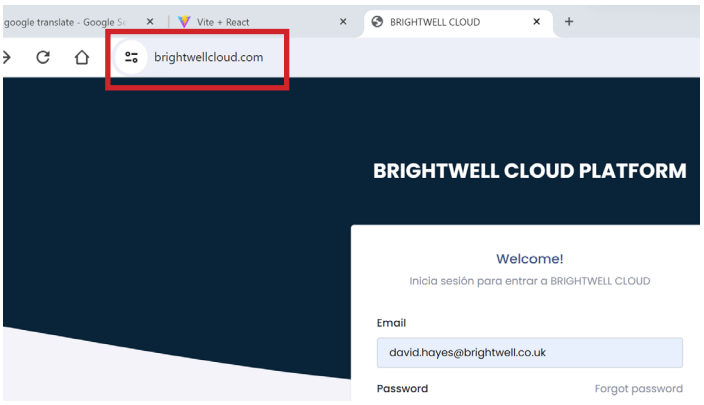
The Multiplex system operates via synchronisation of the on board data with our cloud system. Once the unit has been successfully connected to the internet it will automatically synchronise all the configuration and statistical data, allowing for real time streaming of configuration and detailed information of the unit as it runs.

All that is required is a standard web browser (chrome, edge etc) and you can manage your units from any location as desired. The administration account will be setup prior to your unit being shipped and this information will be sent to you, allowing you to setup companies, users and areas as desired.

CONNECTING TO THE CLOUD

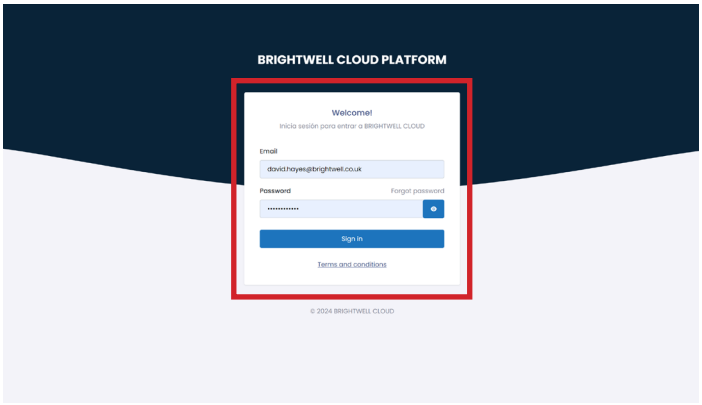
STEP 1

Navigate to http://brightwellcloud.com using a suitable web browser.



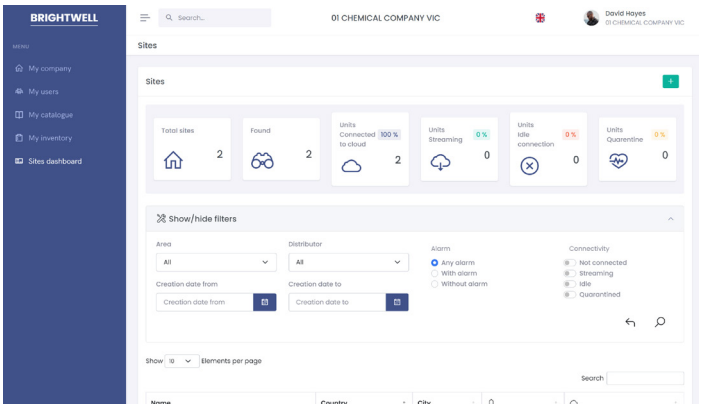
STEP 2

Enter the log in details for your account.
(These will be provided to you during the ordering process. Please contact your Brightwell representative if you do not have these).

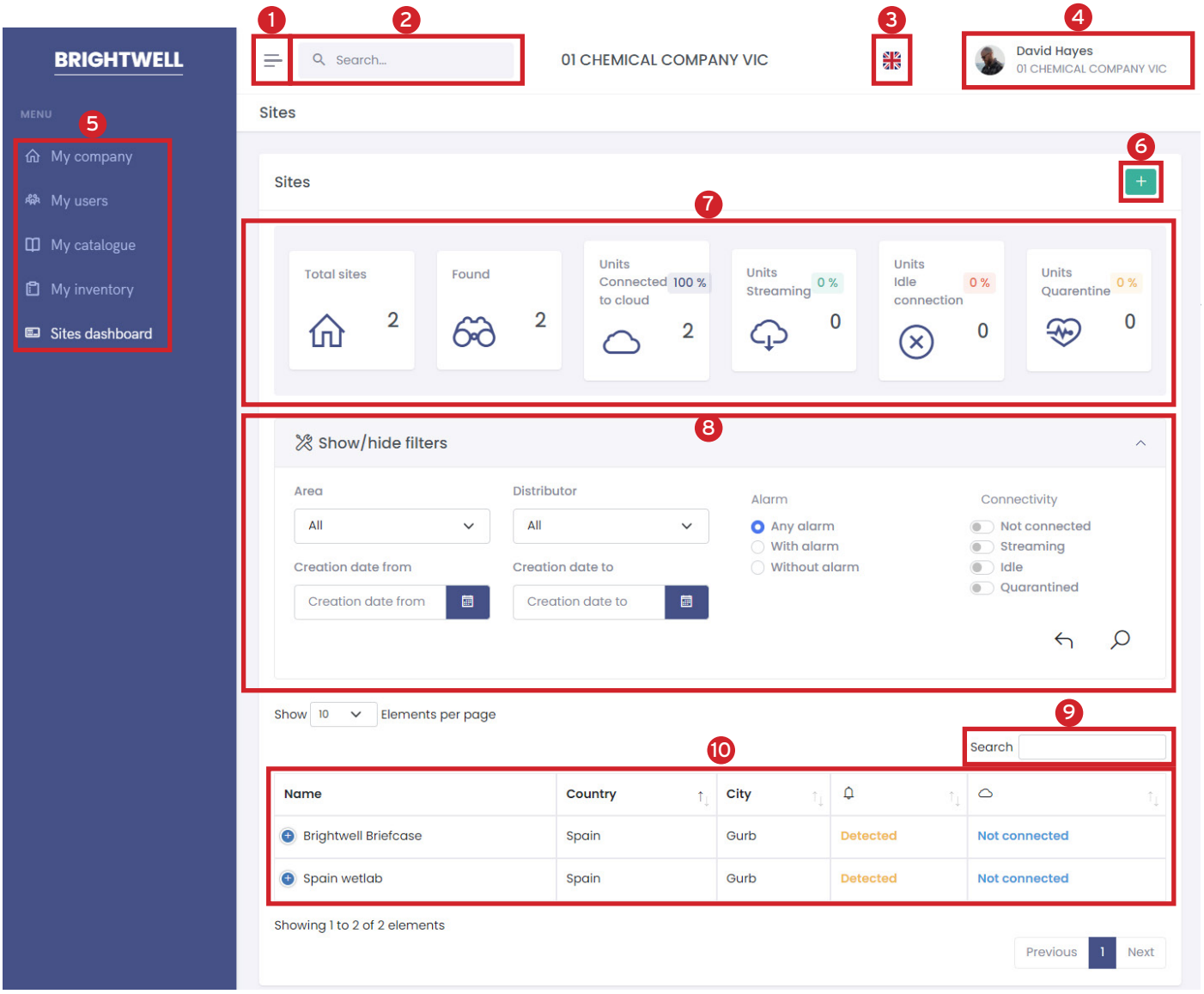


STEP 3

You will now see the main drop page for your Multiplex setup. We will break down the navigation options below.



HOME PAGE OVERVIEW

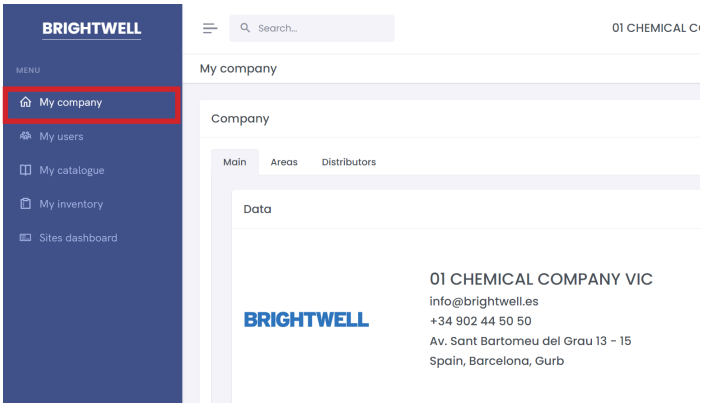


1. This will shrink or expand the side menu
2. Here you can quickly search for units, sites or customers
3. If you need to change the language use this icon
4. For profile settings or to logout press here
5. The side menu lets you move between the different sections of the portal
6. To add a new site to your system, press this green icon
7. Is a quick overview of your units and statistics
8. To filter the below list of sites use this box to set up your chosen parameters
9. Another search bar to quickly filter your units
10. This lists all current units attached to your Portal system

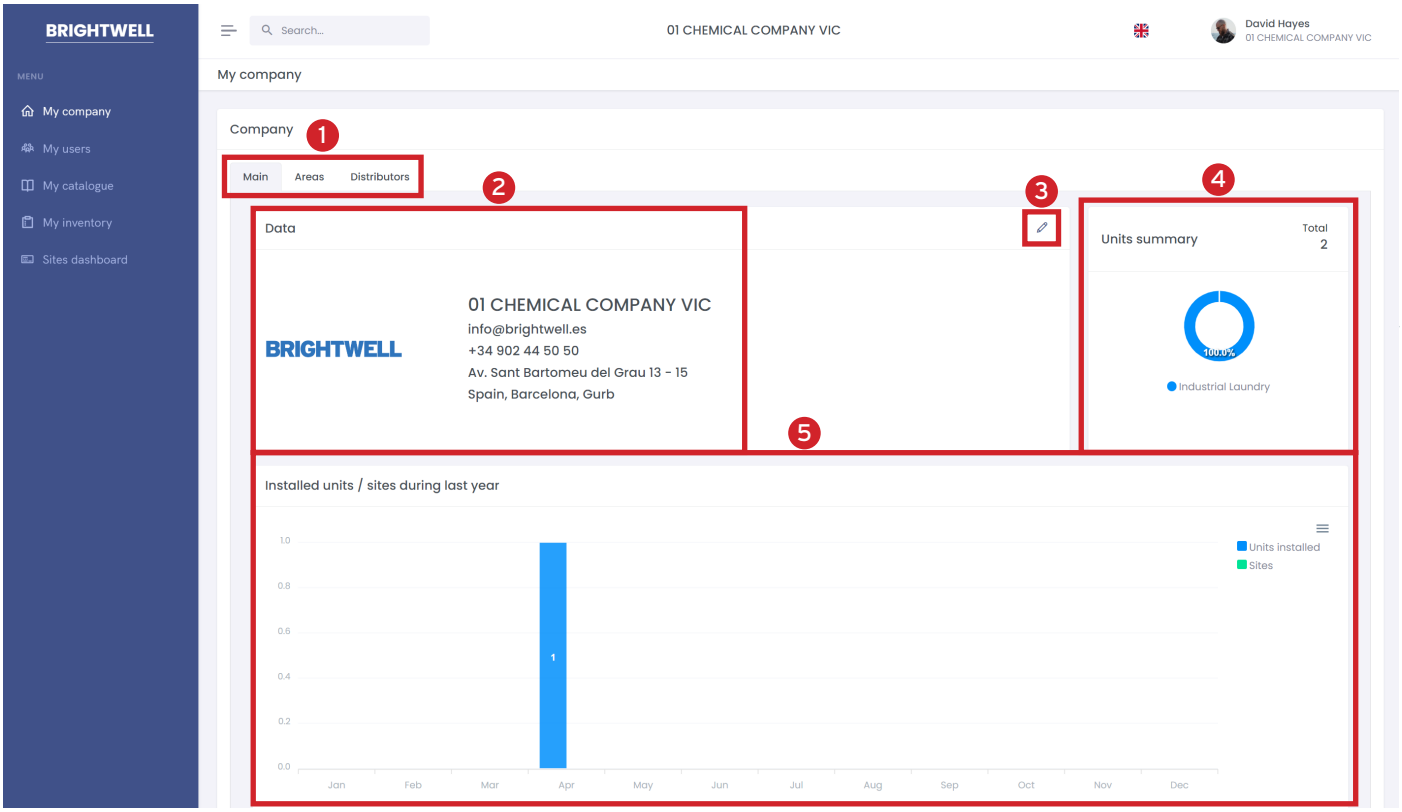
ACCESSING YOUR COMPANY

STEP 1

To access your company settings use the **My Company** icon in the side navigation bar.



MY COMPANY OVERVIEW

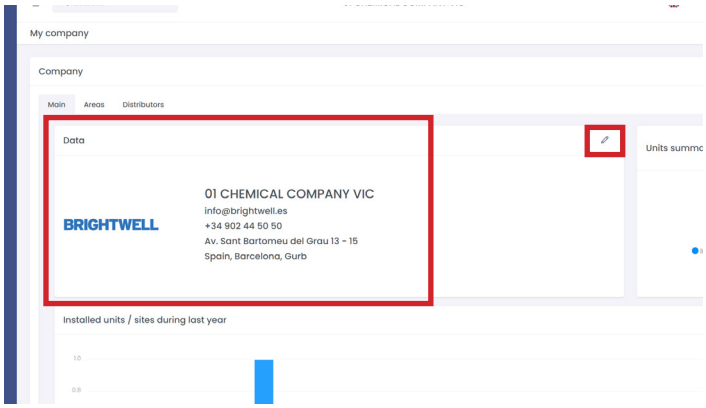


1. These tabs allow you to move between the Main page, Areas and Distributors linked to your company
2. Here you can see your current company details
3. Is the edit icon allowing you to change your company details
4. This is a quick overview of your units
5. Is a graph showing number of installations in the previous year

EDITING YOUR COMPANY SETTINGS

STEP 1

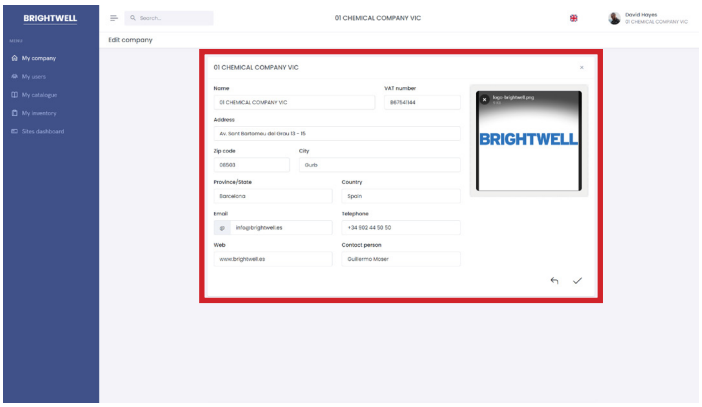
To edit the main company details seen here, press the **Edit icon** in the top right of the tile.



STEP 2

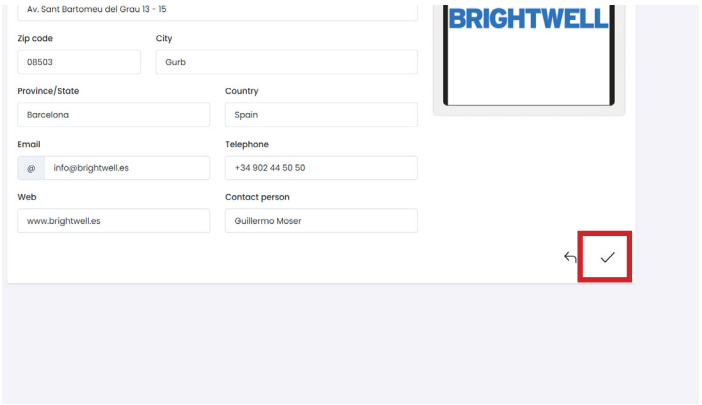
You can now edit the following fields;

- **Name**
- **Vat Number**
- **Address**
- **Email**
- **Telephone**
- **Website**
- **Contact**
- **Logo**



STEP 3

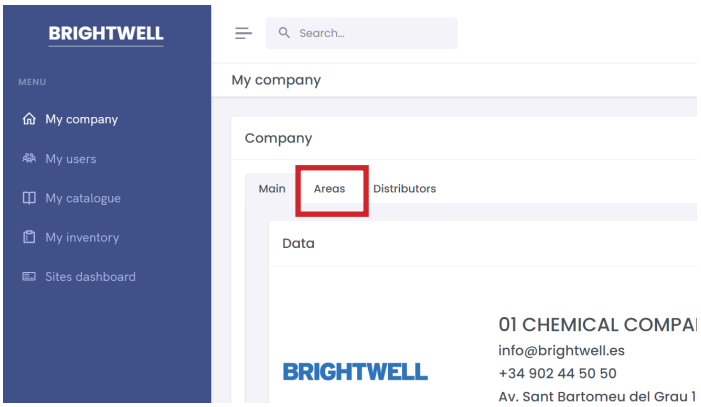
When you have finished the changes press the **Tick** icon to save.



ADDING OR EDITING NEW AREA

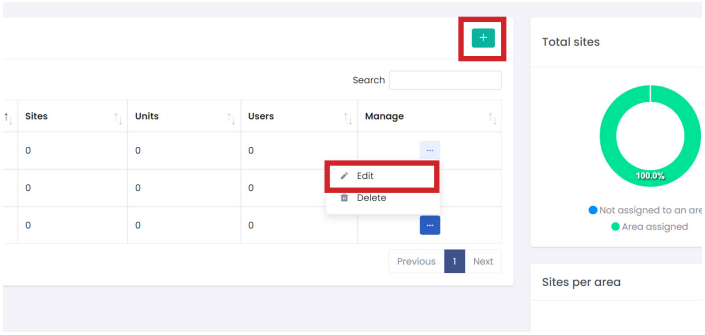
STEP 1

To open the **Areas** screen for your company press the **Areas** tab at the top here.



STEP 2

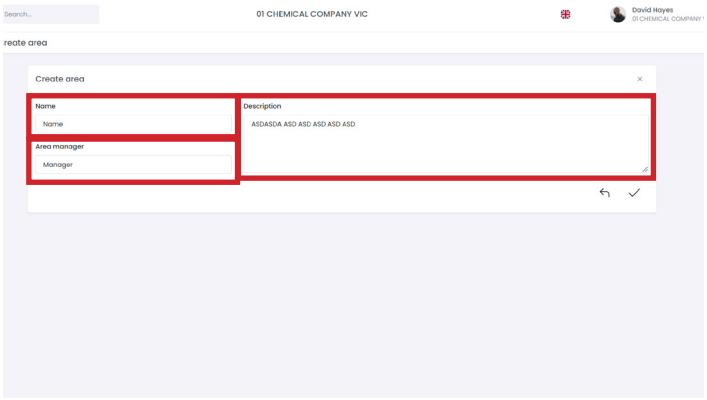
To add a new area press the **+** icon seen on the right hand side of the tile. To edit an existing area press the **3 dots** next to the area you wish to change. A pop up menu will appear and you can select **Edit**.



STEP 3

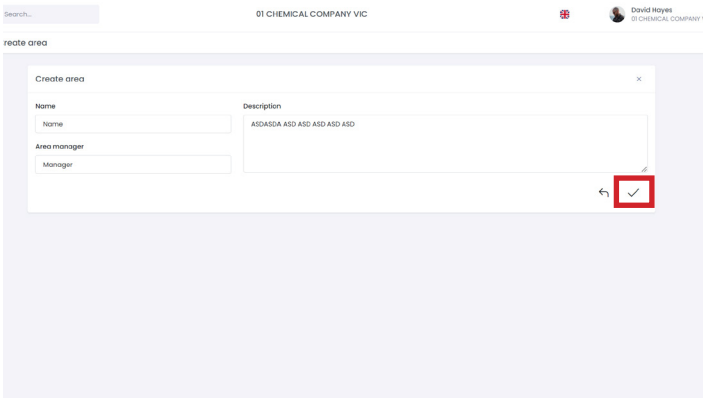
Use the fields provided to set the following details;

- **Name**
- **Area percentage**
- **Description**



STEP 4

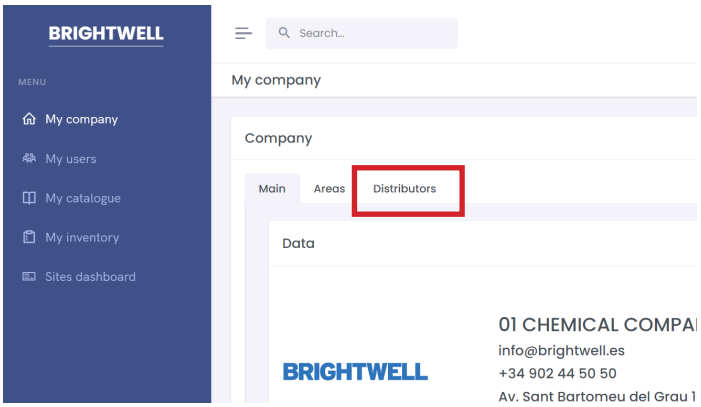
Once you are happy press the **Tick icon** to save these settings and create your site.



ADDING OR EDITING AN EXISTING DISTRIBUTOR

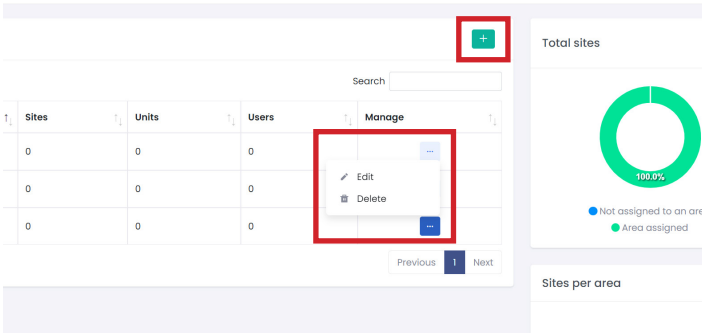
STEP 1

To open the **Distributor** screen for your company press the **Distributor** tab at the top here.



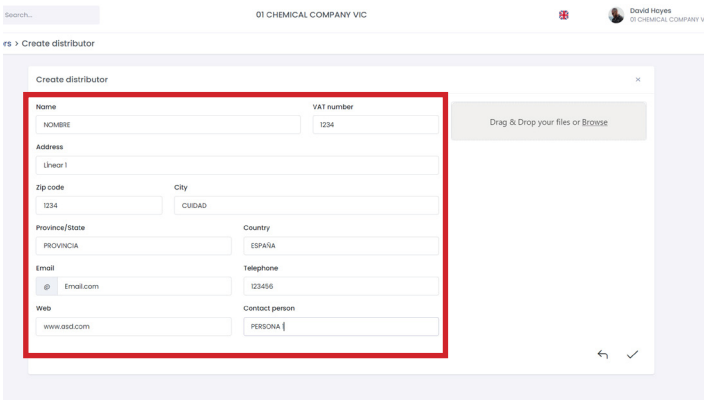
STEP 2

To add a new distributor press the **+** icon seen in the left hand side of the tile seen here. To edit an existing distributor press the **3 dots** next to the area you wish to change. A pop up menu will appear and you can select **Edit**.



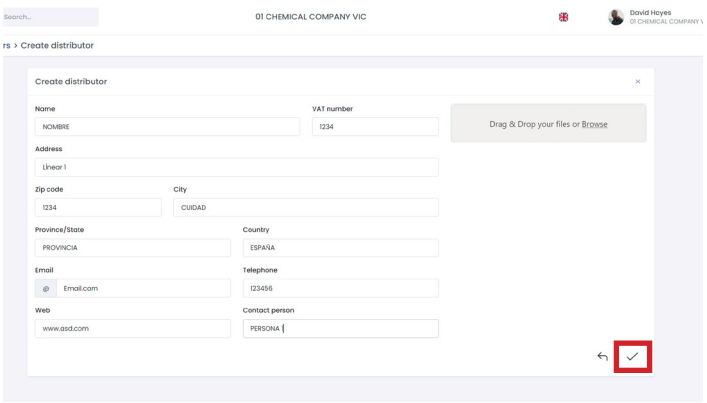
STEP 3

Use the fields provided to add the details of your new Distributor, including an icon if required.



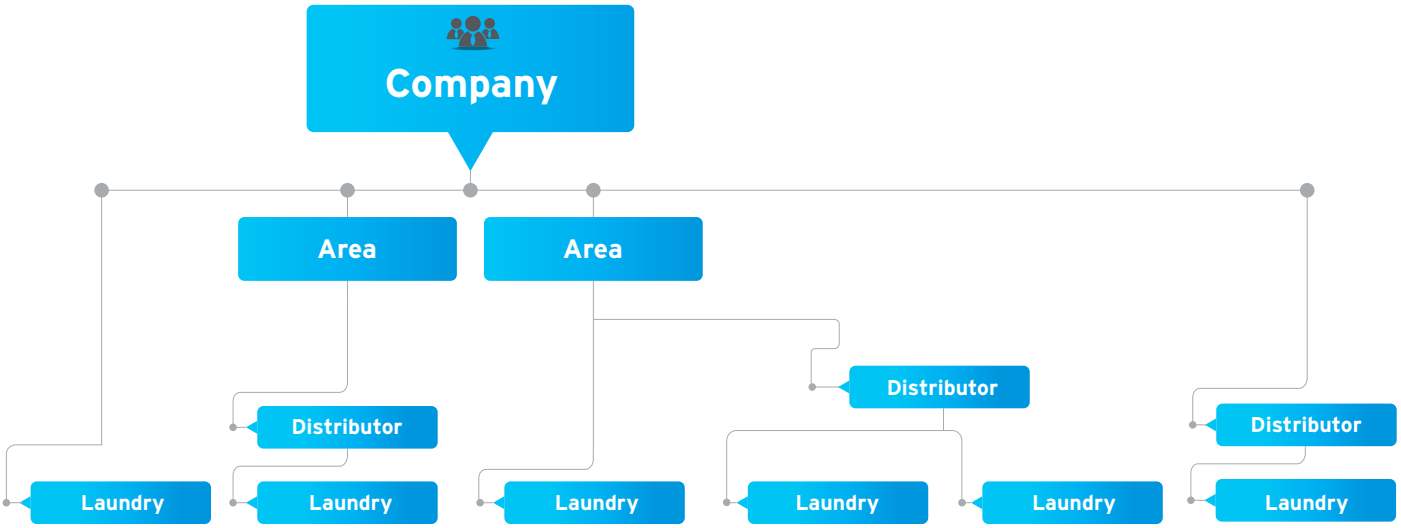
STEP 4

Once you are happy press the **Tick icon** to save these settings and create your distributor.



ACCOUNT PERMISSIONS AND SECURITY

The Multiplex cloud system implements a tiered security system for your company and its users, ensuring that only relevant information and access are enabled for accounts further down the chain. This is explained further in the flowchart below.



Area: Refers to a geographic area or a specific customer that extends over a wide region and is served exclusively by someone without their own customer base.

Laundry: There can also be laundries serviced directly by your company, which will only be accessible via accounts directly linked to your company account.

Distributor: These are your customers who may be hosted within a larger Area account or directly connected to your company.

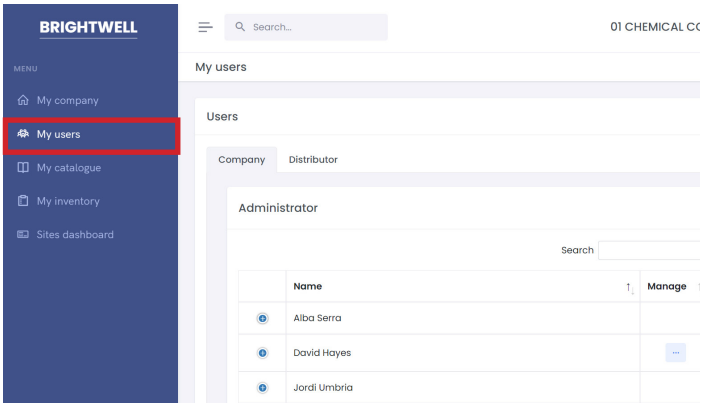
User Accounts: We offer two levels of user accounts for each of the four levels (Administrator and user), each with its own permissions. A user account can create accounts on the levels directly below it, allowing you to build a hierarchical structure that integrates with the existing system.

All of the above can be modified at any time using the Portal, allowing for complete customization of how you manage your cloud structure to perfectly fit your customer needs.

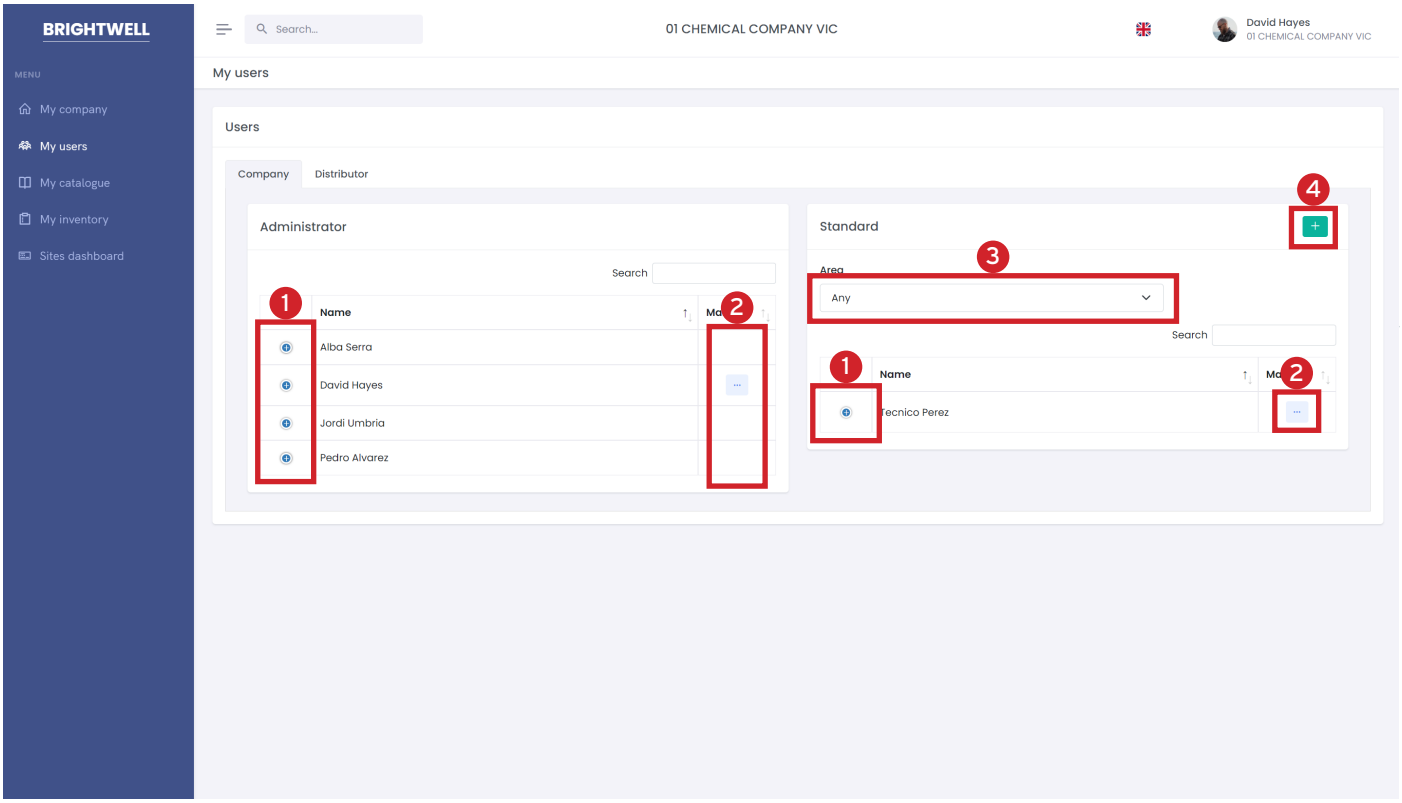
ACCESSING YOUR USERS

STEP 1

To access your user settings use the **My Users** icon in the side navigation.



MY USERS OVERVIEW

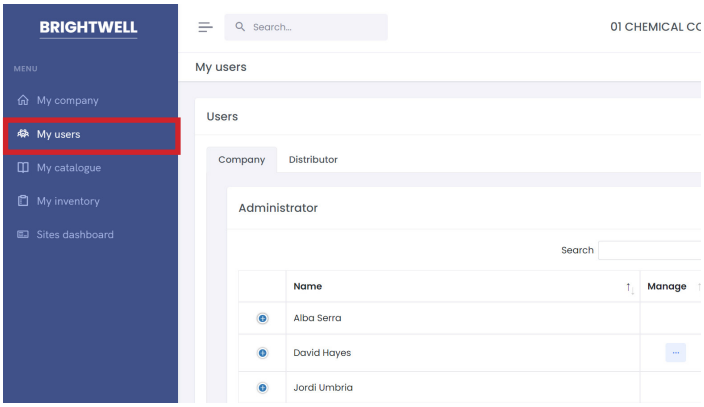


1. Expands to show the details for the user accounts
2. The three dots allow you to edit the specific user account
3. The drop down will allow you to filter the standard users by their account
4. Allows you to add a new user to the customer account

EDITING YOUR USER ACCOUNT

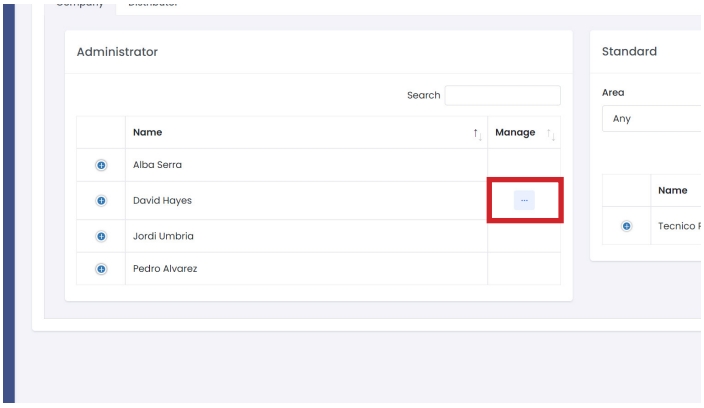
STEP 1

To edit your user account open the **My Users** menu from the navigation bar here.



STEP 2

Locate your account and press the **3 dots** located next to it to open the edit menu.

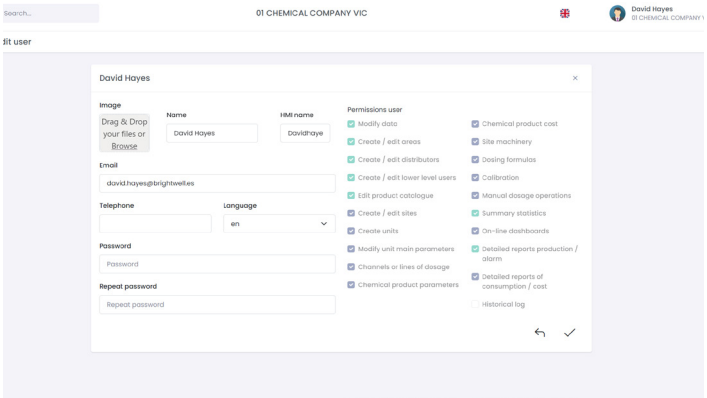


STEP 3

You can now adjust the settings for your account including;

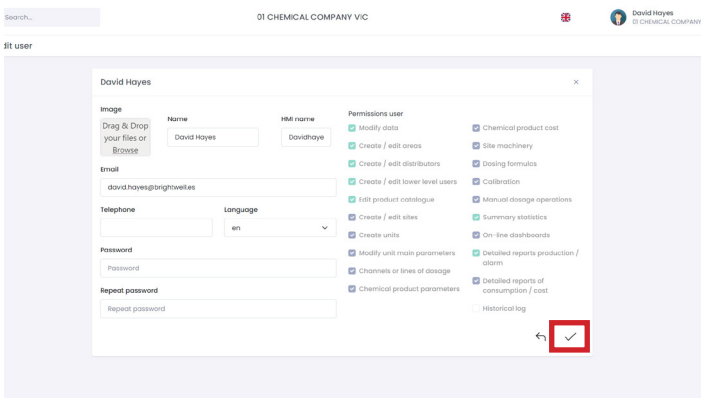
- **Setting a photo**
- **Name and HMI name**
- **Email**
- **Telephone**
- **Language**
- **Password**

You are also able to see your account permissions on the right.



STEP 4

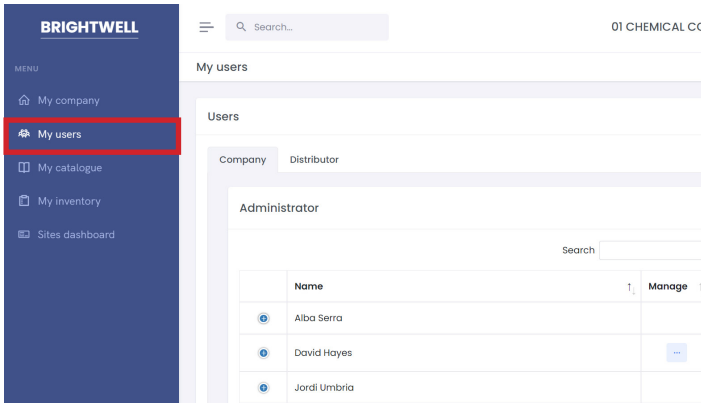
Once you are happy press the **Tick icon** to save these settings and edit your distributor.



ADDING OR EDITING A STANDARD USER ACCOUNT

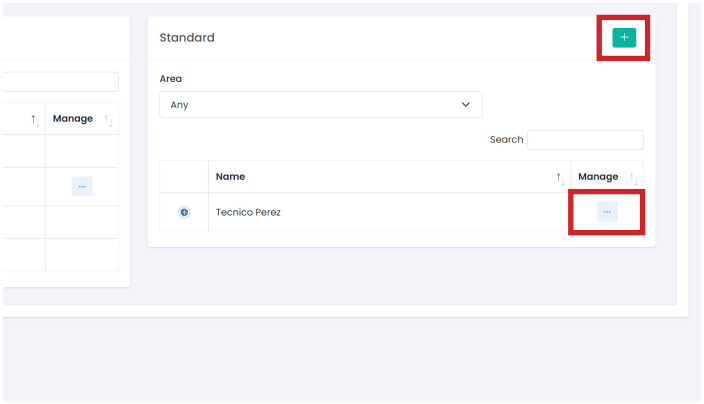
STEP 1

To create a new or edit an existing user account open the **My Users** menu from the navigation bar.



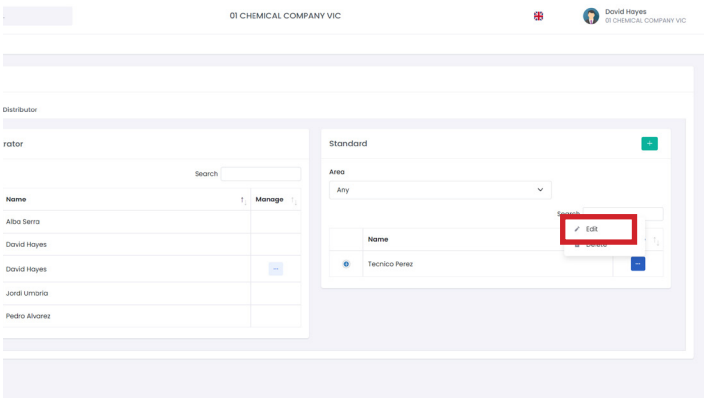
STEP 2

Locate your account and press the **3 dots** located next to the account you want to edit.



STEP 3

Once you have selected this a pop-up will appear. Select **Edit** to open the settings menu.

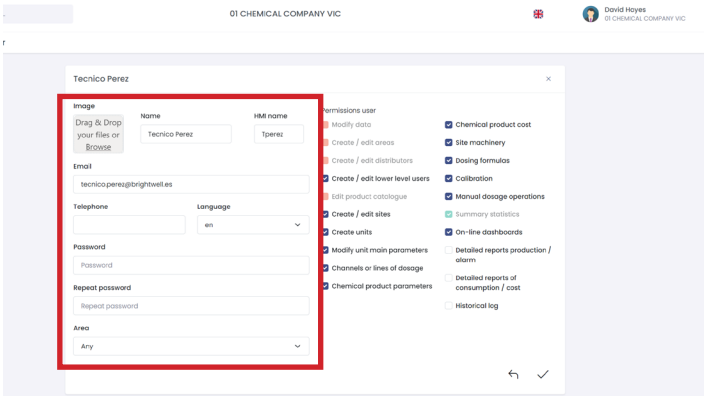


STEP 4

In the left hand column you can adjust the following;

- **Setting a photo**
- **Name and HMI name**
- **Email**
- **Telephone**
- **Language**
- **Password**

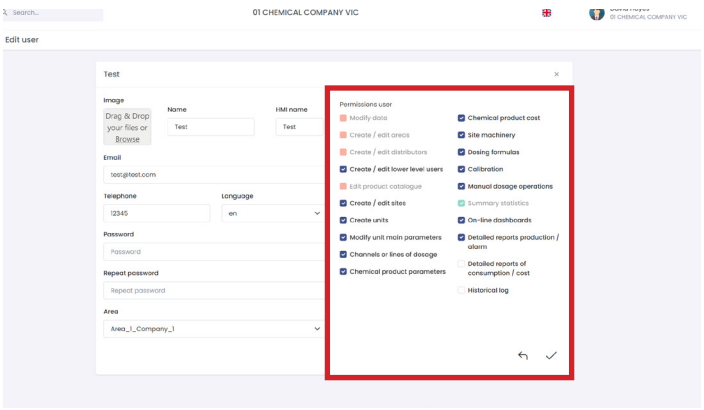
You are also able to set their account permissions on the right using the check boxes provided.



ADDING OR EDITING A STANDARD USER ACCOUNT

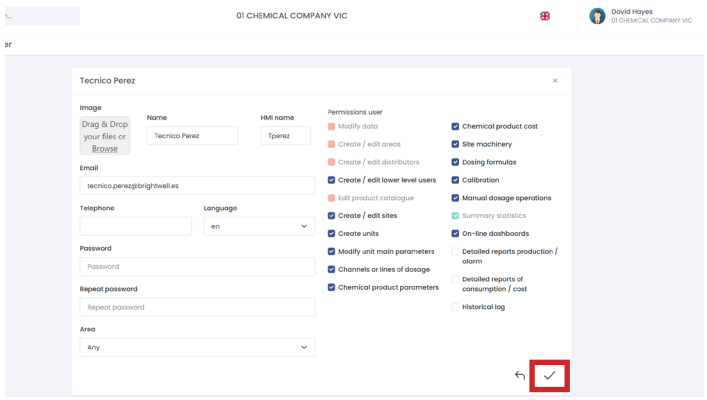
STEP 5

After the user has been created, you can set the account permissions using the tick boxes on the right hand side.



STEP 6

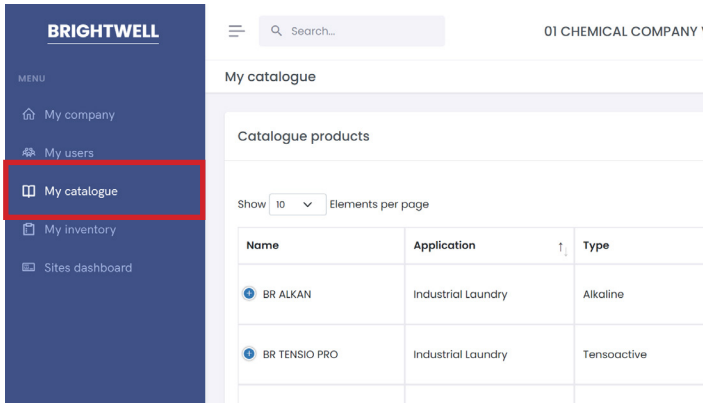
Once you have made the changes press the **Tick icon** to save the new settings.



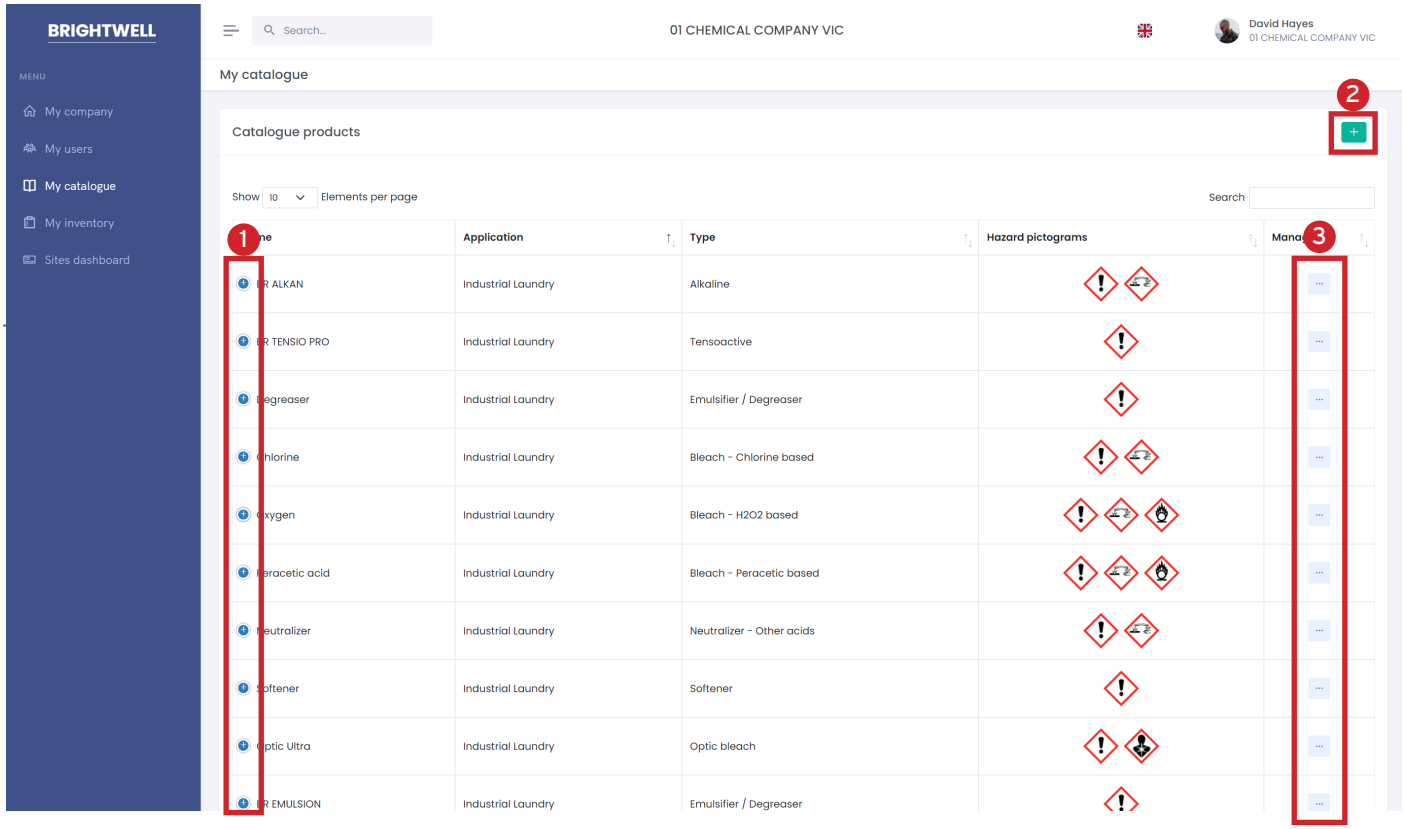
ACCESSING YOUR PRODUCT CATALOGUE

STEP 1

To access your **Product Catalogue** press the **My Catalogue** icon in the side menu.



PRODUCT CATALOGUE OVERVIEW



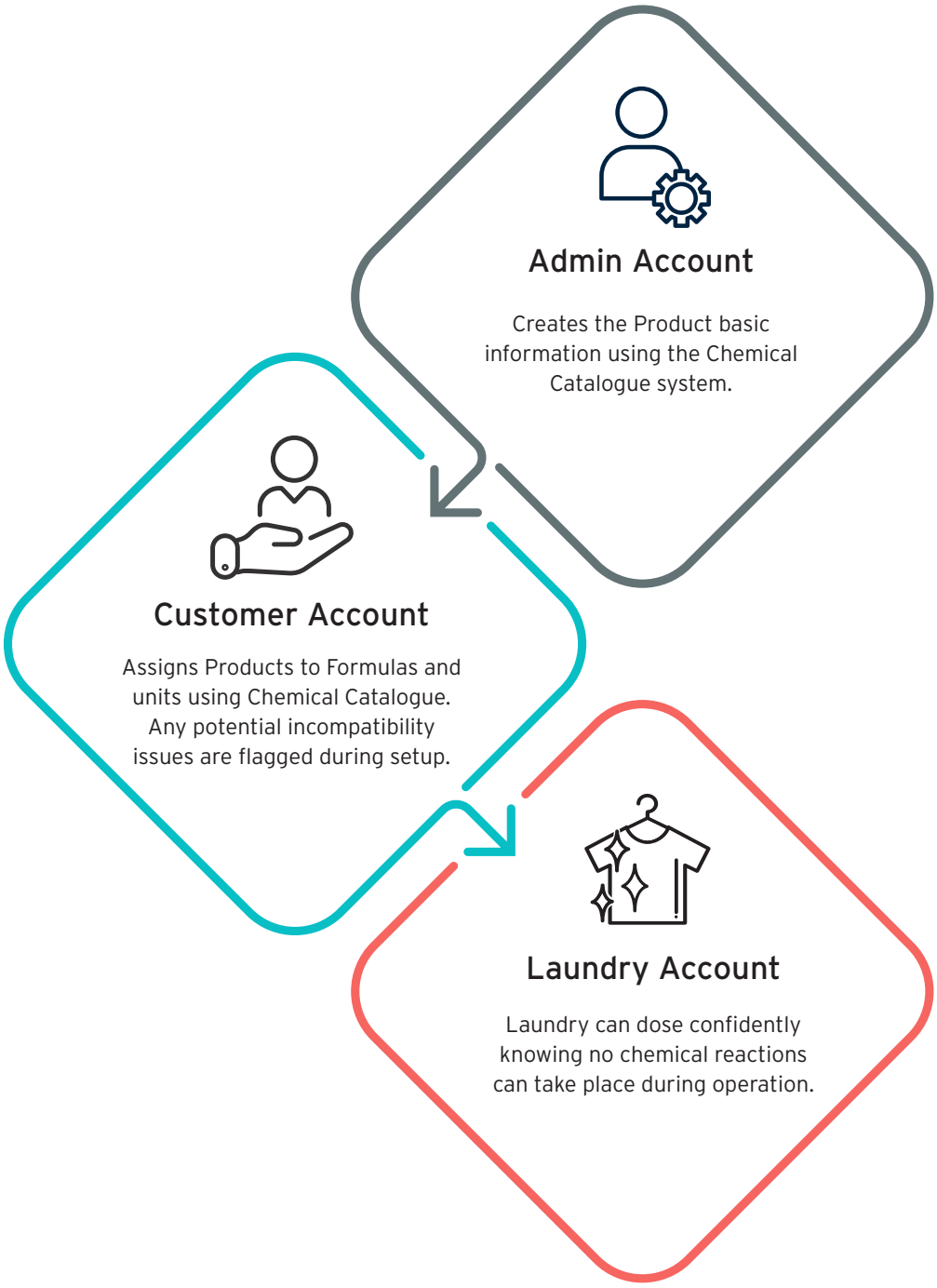
1. Shows the details of when the chemical was created.
2. Press this icon to create a new chemical for your catalogue
3. Use the three dots to edit an existing chemical

PRODUCT CATALOGUE INFORMATION

To maximize the benefits you receive from your Multiplex system, it is best to use the complete setup options available through the cloud system. This allows you to access warnings for potential incompatibility issues from your products during the wash phase, preventing the hazard of mixing incompatible chemicals and generating unwanted reactions.

Once a chemical has been added to the catalogue, it is set up across all your systems, making it a quick and easy way to manage your entire catalogue for all units in the field.

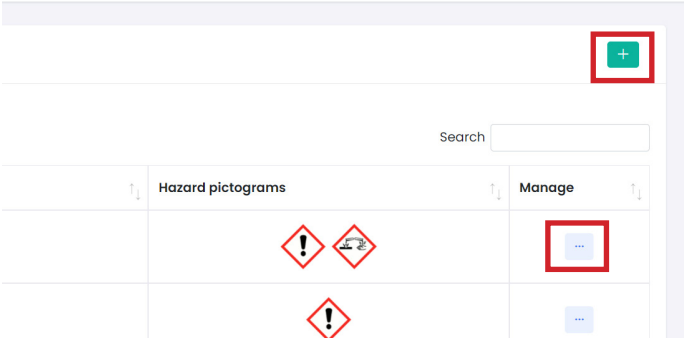
Additionally, you can store any relevant safety or information documentation so that they are available to users with the correct access on your cloud.



EDITING OR ADDING A PRODUCT

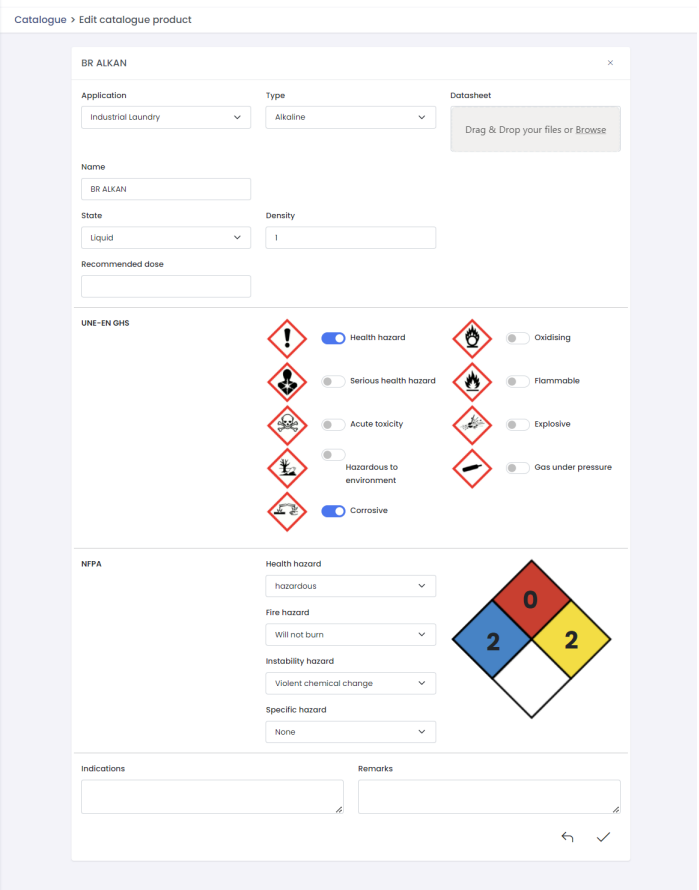
STEP 1

To edit an existing product within your catalogue press the three dots on the right of the tile. Alternatively, to create a new product for your catalogue press the **+** icon in the top right of the tile



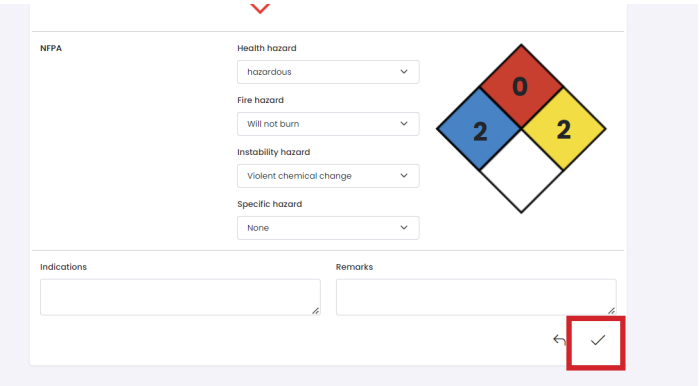
STEP 2

Edit the product details including all relevant hazard information.
Please refer to the chemical manufacturers for this information.



STEP 3

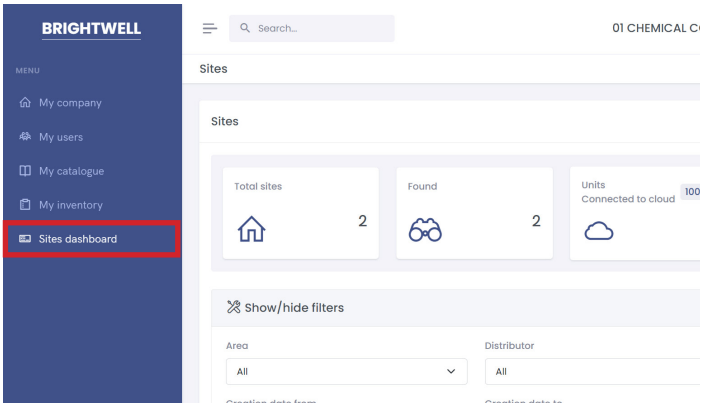
When you have completed the information use the **Tick** icon in the corner to save the details.



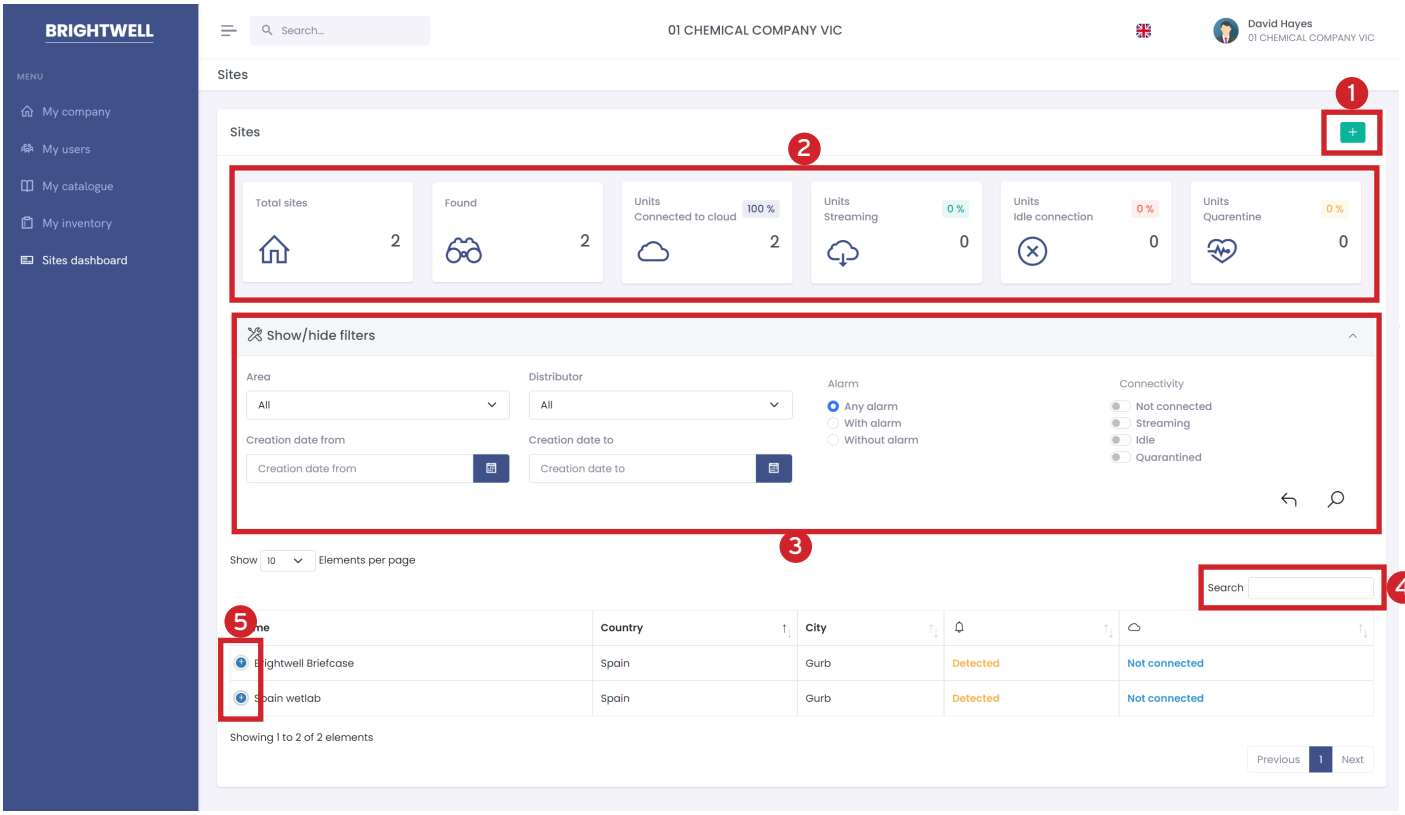
ACCESSING YOUR SITES DASHBOARD

STEP 1

To access your user settings use the **Sites Dashboard** icon in the side navigation.



SITES DASHBOARD OVERVIEW

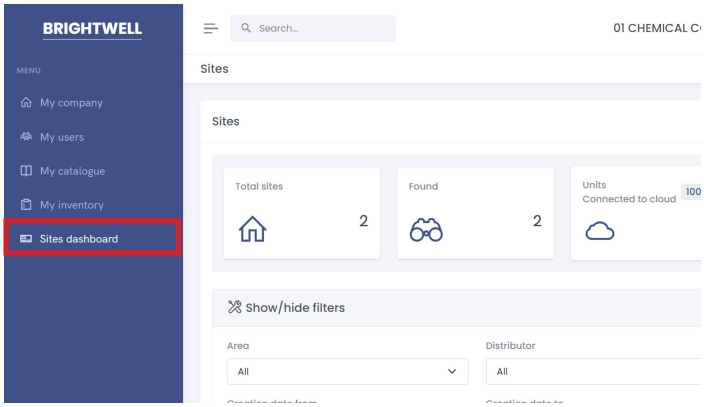


1. Adds a new site to your account
2. Shows a quick overview of your units and site statistics
3. Allows you to set custom filters to display sites
4. A custom search bar for your sites
5. Displayed the site details

CREATING A NEW OR EDITING AN EXISTING SITE

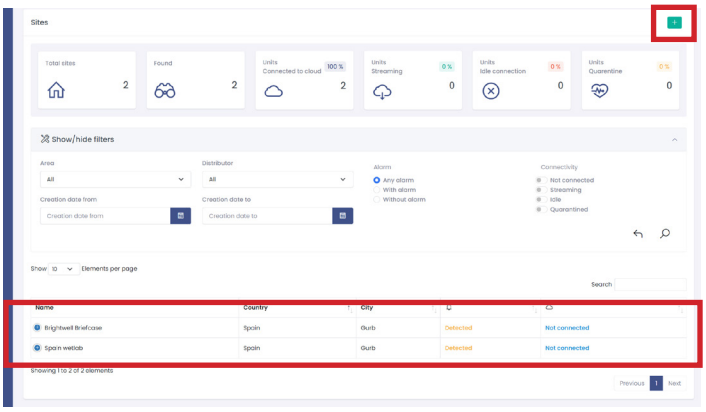
STEP 1

To create a new site, or edit an existing one on your system go to the **Sites Dashboard** menu from the side navigation bar.



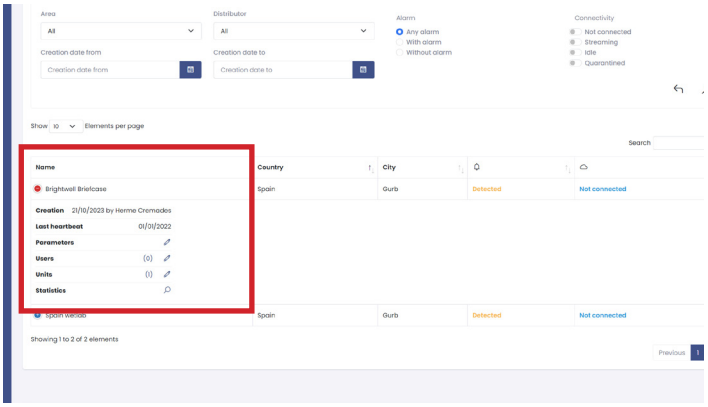
STEP 2

From the sites list locate the site you want to edit and click on it to expand the options.
Alternatively, create a new site, press the **+ icon** in the top right of the screen.



STEP 3

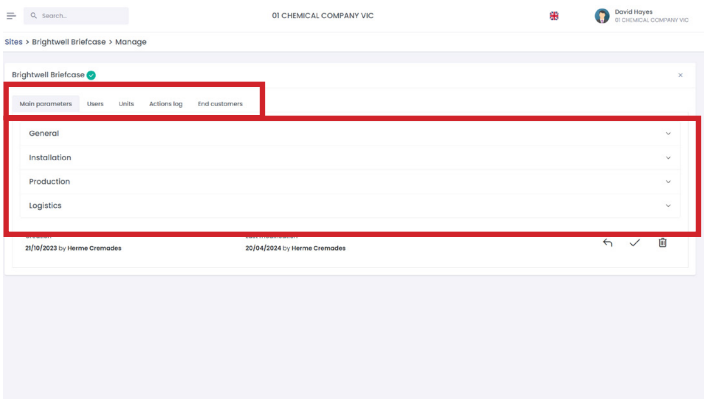
If you are editing an existing site the following menu will appear. Click on the **Edit icon** next to parameters to enter the configuration menu.



STEP 4

On the site edit screen you can use the top bar to move between the;
- **Main Parameters**
- **Users**
- **Units**
- **Actions log**
- **End customers**

The second part are the expandable menus for editing the settings located on this tab.

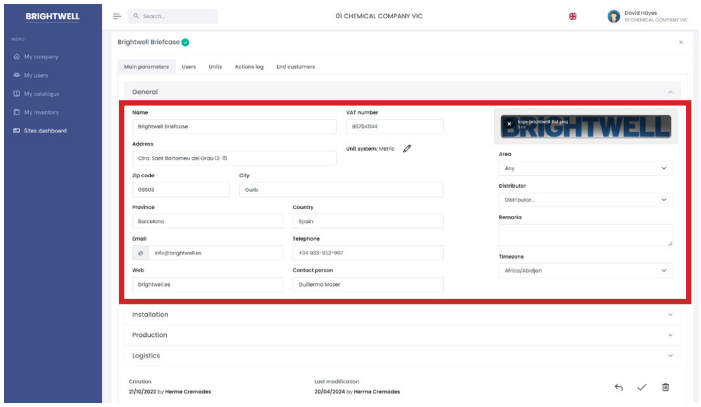


EDITING A SITES MAIN PARAMETERS

STEP 6

In the **Main Parameters** tab expand the General Tab to adjust the following settings;

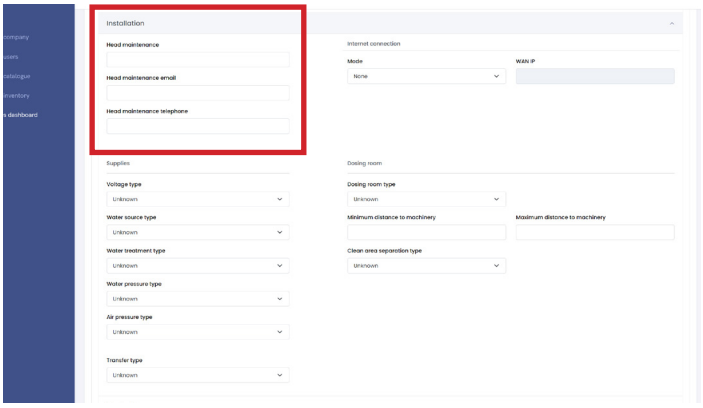
- Name
- VAT number
- Address
- Email
- Telephone
- Website
- Contact
- Logo
- Area
- Distributor
- Remarks
- Time zone



STEP 7

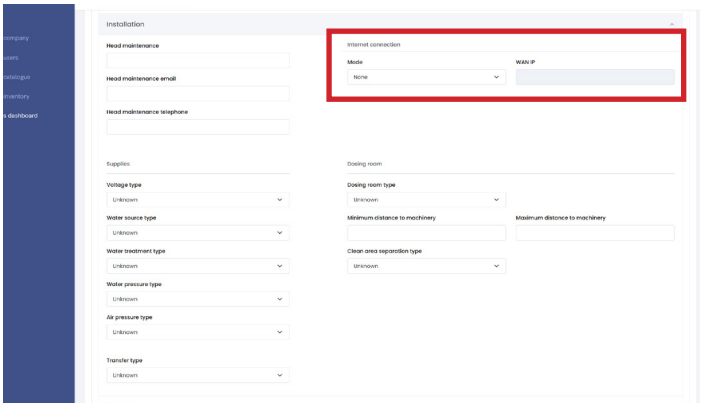
Initially you can set up your Head Maintenance contact information;

- Name
- Email
- Telephone



STEP 8

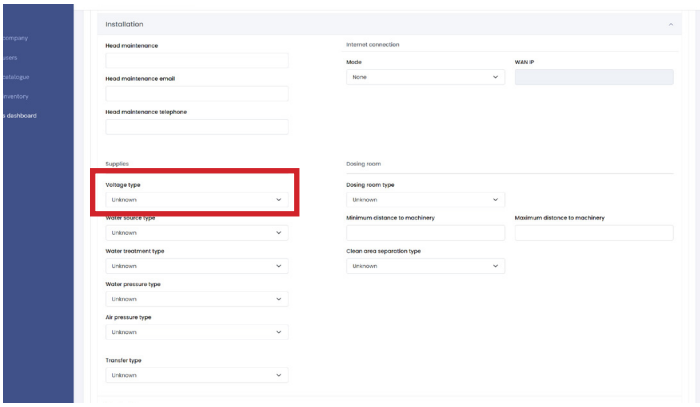
If the site has specific internet setup, you can add the **Mode** and **WAN IP** in the fields provided.



STEP 9

In the initial Supplies section you can adjust the Voltage type on site. These are;

- 110V - Single Phase
- 230V - Single Phase
- 400V - 3 phases (transformer required)
- 400V - 3 phases + Neutral

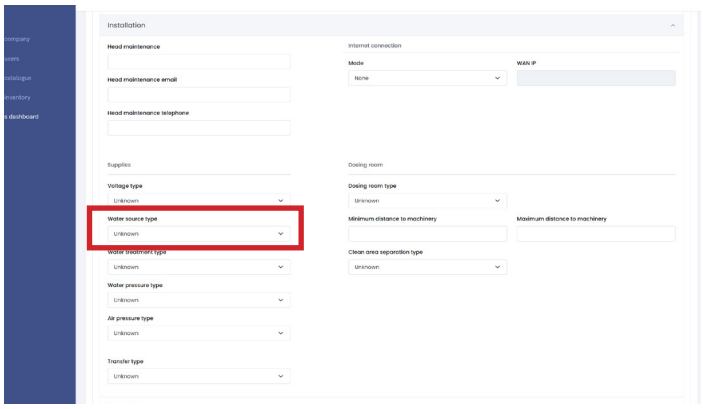


EDITING A SITES MAIN PARAMETERS

STEP 10

Next you can adjust your **Water Source Type** between;

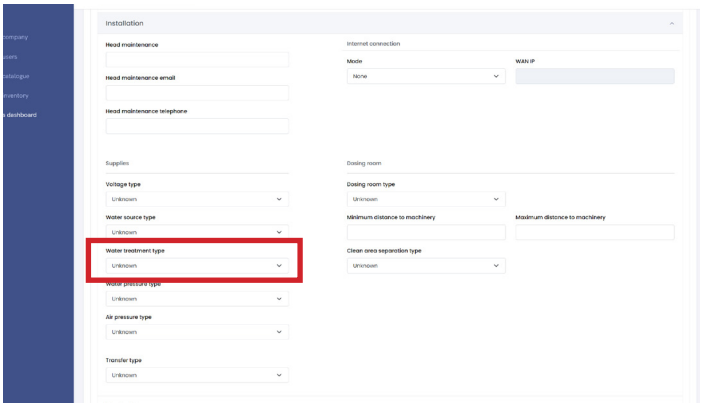
- **Well / Reservoir**
- **External tank periodically filled**
- **Town network**



STEP 11

Next you can adjust your **Water Treatment Type** between;

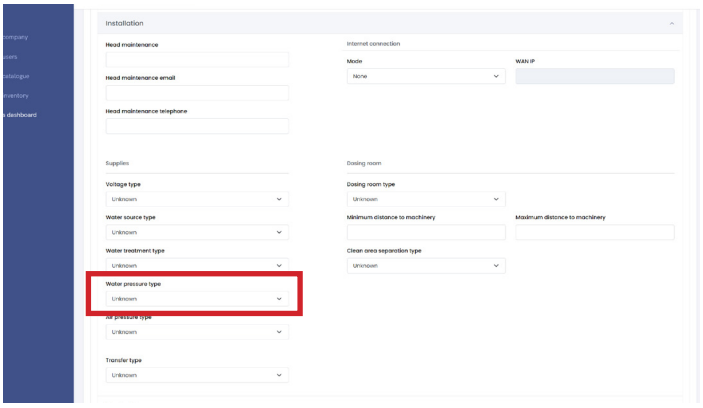
- **None**
- **Osmosis**
- **Water softener**
- **Other**



STEP 12

Next you can adjust your **Water Pressure Type** between;

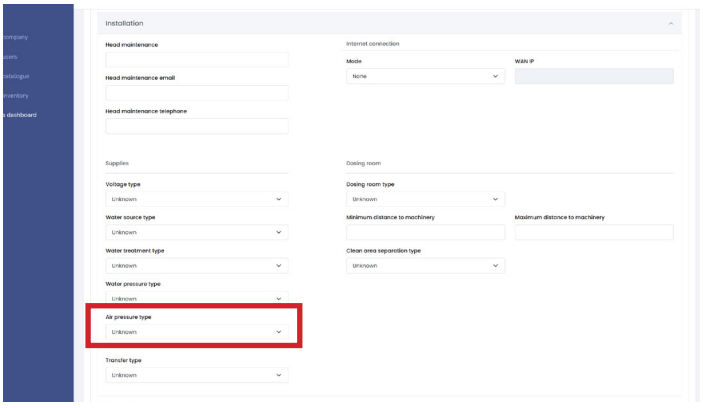
- **External Network Pressure**
- **Pressure booster supplied for the dosing unit**
- **Pressure booster of the laundry**



STEP 13

Next you can adjust your **Air Pressure Type** between;

- **Not necessary**
- **Compressor supplied for the dosing unit**
- **Compressor of the laundry (>=8Bar)**

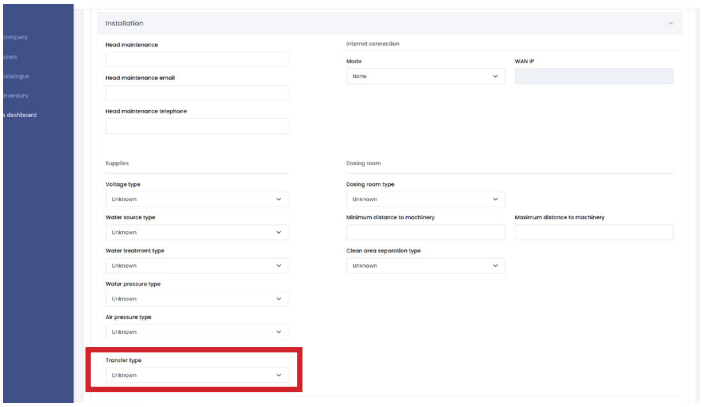


EDITING A SITES MAIN PARAMETERS

STEP 14

Next you can adjust your **Transfer Type** between;

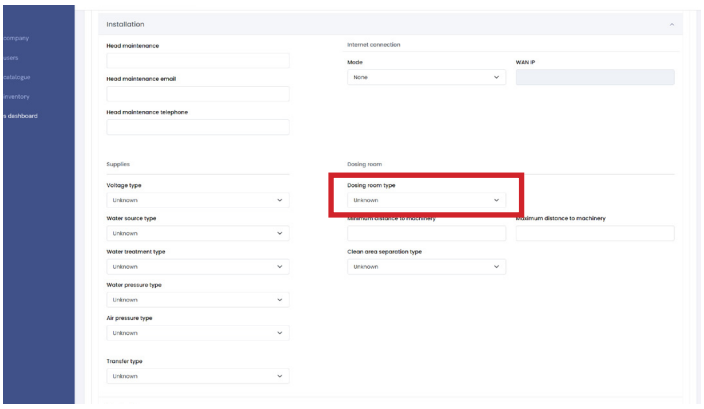
- **None**
- **Storage Tank -> Dosage Tank**
- **Truck -> Dosing Tank**
- **Truck -> Storage Tank -> Dosing Tank**
- **Other**



STEP 15

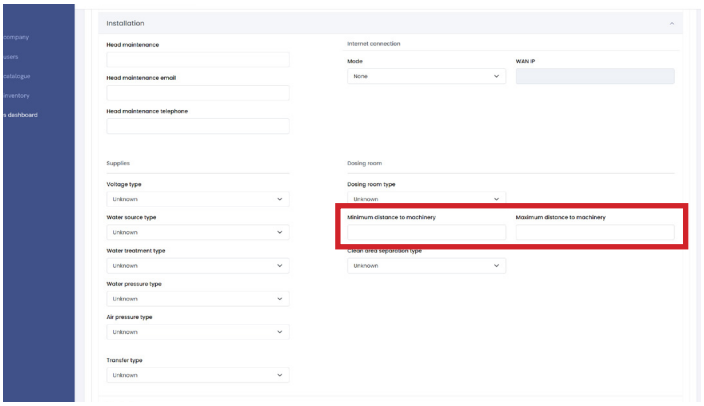
Next you can adjust your **Dosing Room Type** between;

- **None - Products are in an external location**
- **None - Products are inside the laundry area**
- **Yes - Products are in a particular room**



STEP 16

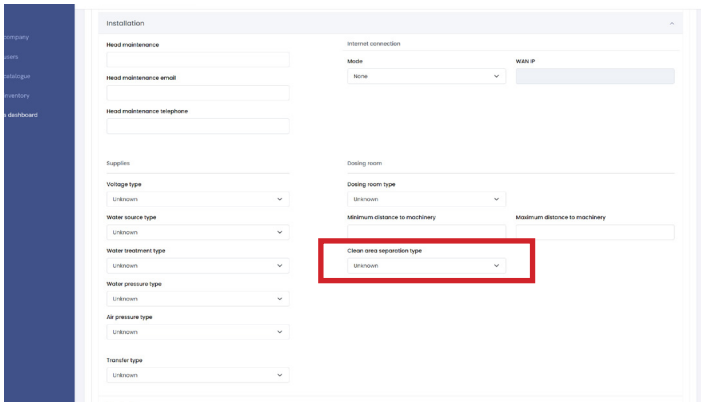
Next you can set your **Minimum and Maximum distance to machinery.**



STEP 17

Next you can adjust your **Clean Area Separation Type** between;

- **No separation between dirty and clean areas**
- **Normal separation between dirty and clean areas**
- **Sanitary barriers**

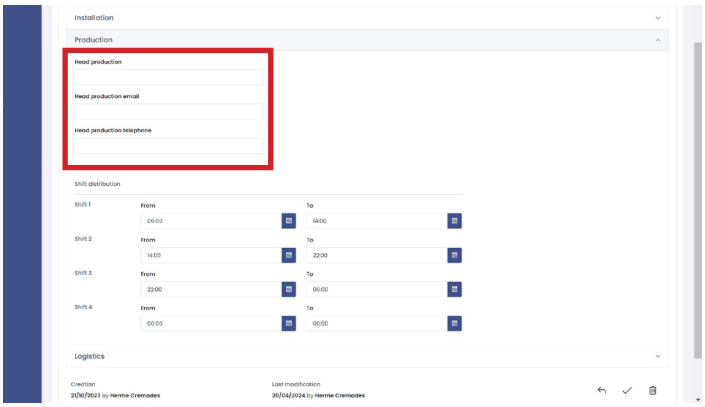


EDITING A SITES MAIN PARAMETERS

STEP 18

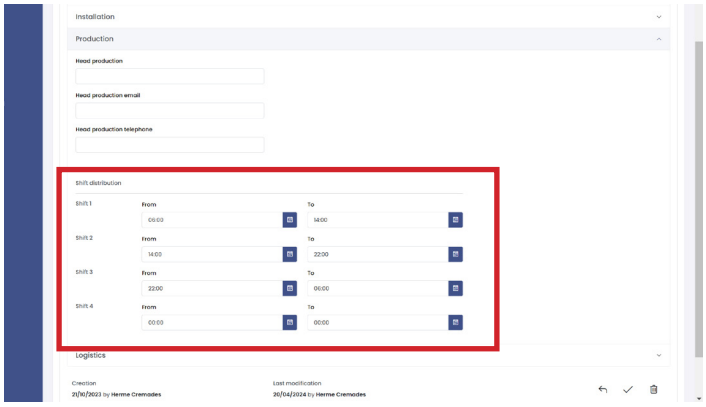
The third tab allows you to set the **Production** contact information.

- **Production Head**
- **Production Email**
- **Production Telephone**



STEP 19

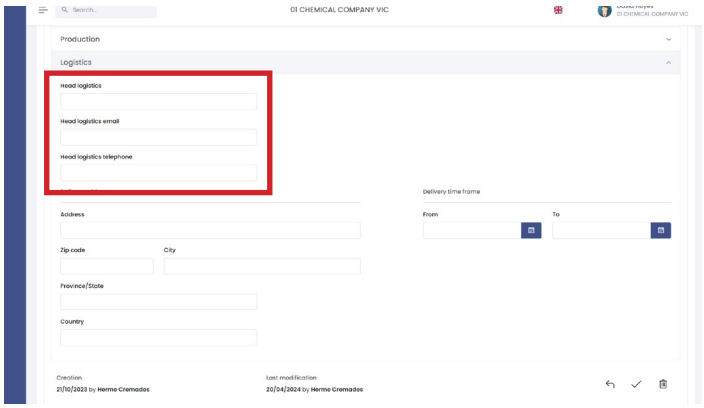
If your site has shifts, you can adjust the timings here to produce shift specific diagnostic data later.



STEP 20

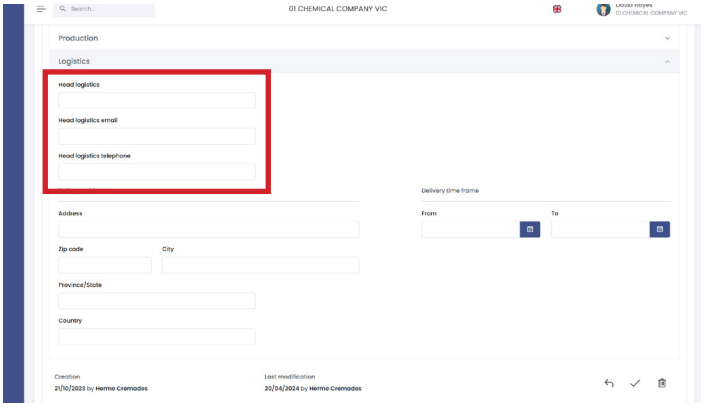
The last section allows you to adjust the Logistics contact information.

- **Logistics Head**
- **Logistics Email**
- **Production Telephone**



STEP 21

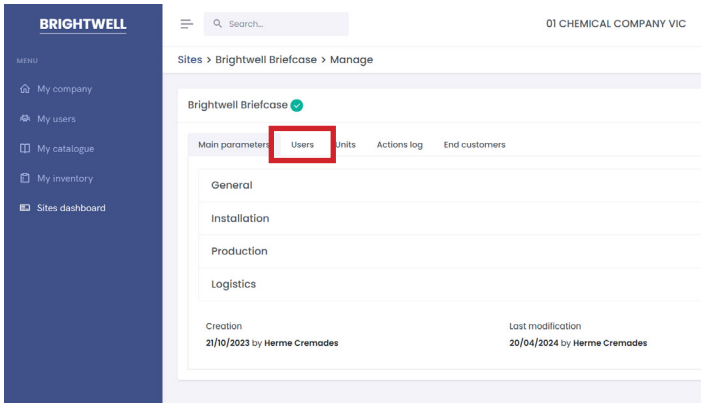
Finally, to save your settings press the **Tick Icon** in the bottom right. You can also delete the site from here using the **Trash Can Icon**.



EDITING USERS FOR A SITE

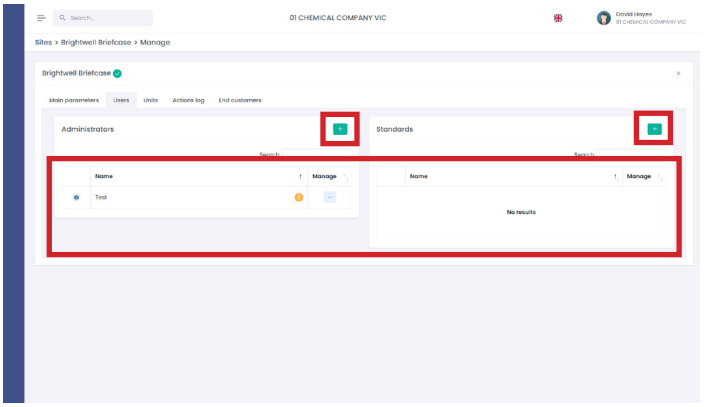
STEP 1

To open the users list for the site press the **Users tab** at the top of the page.



STEP 2

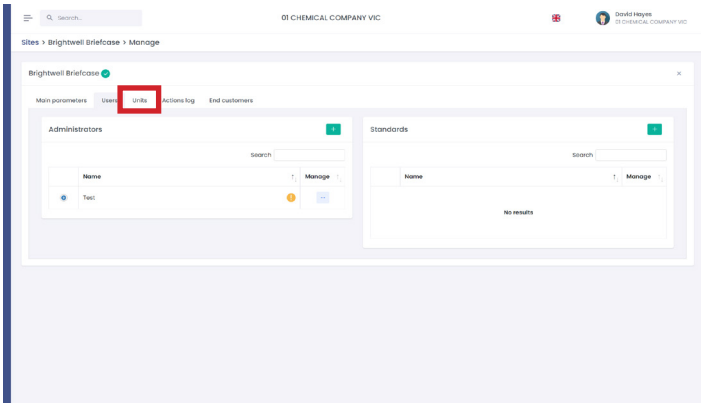
Here you can use the **+ icons** to add either site administrators or standard users. Current users will be listed in the tables below.



EDITING A UNIT

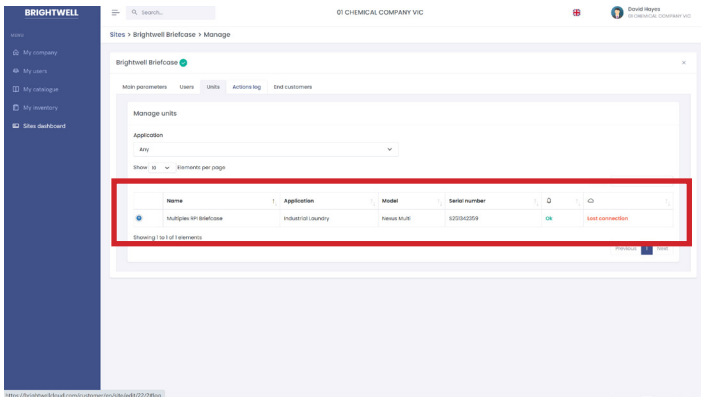
STEP 1

To open the unit list for the site press the **Unit tab** at the top of the page.



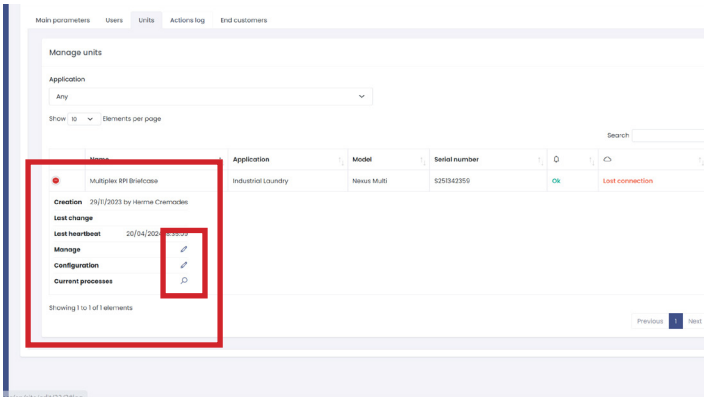
STEP 2

All units that are linked to the site will be listed in the table at the bottom of the page. Click on the unit you want to modify.



STEP 3

Click on the **+ icon** or the unit name to expand the parameters menu. Click on the **Edit icon** to make the changes you desire.

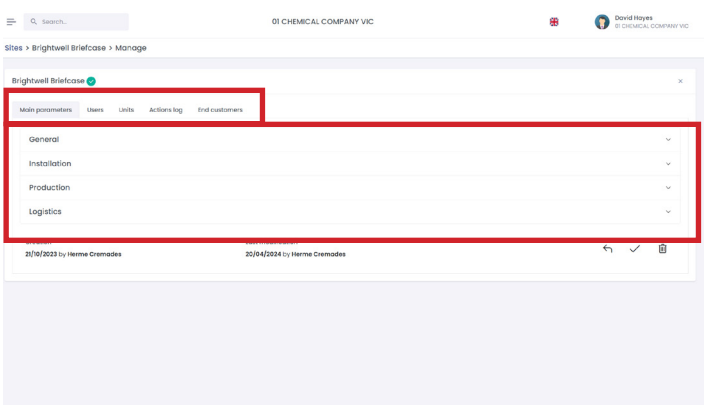


STEP 4

On the site edit screen you can use the top bar to move between the;

- **Main Parameters**
- **Users**
- **Units**
- **Actions log**
- **End customers**

The second part are the expandable menus for editing the settings located on this tab.



EDITING A UNIT

STEP 5

Once the unit settings page has opened you can modify the following fields;

General settings in section 1
- Unit Application
- Model
- Name
- Master number
- Protocol

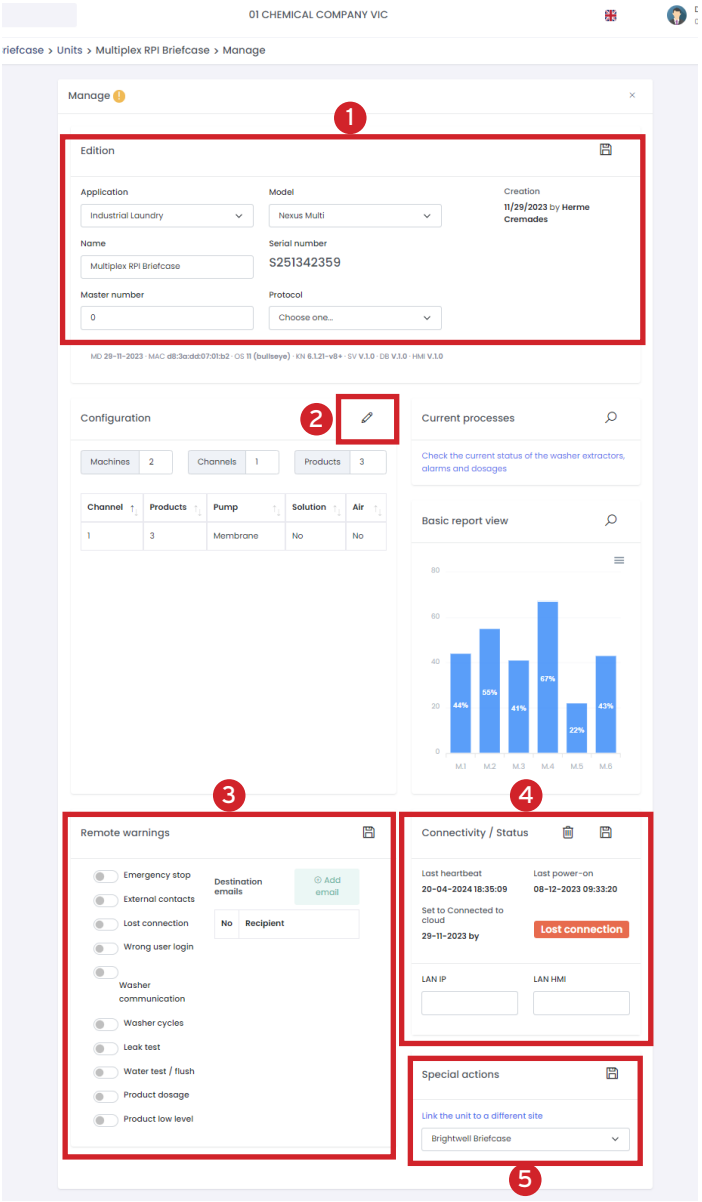
Configuration settings in section 2
This will allow you to edit the channel settings.
(**These will be covered in the next section)**

Remote warning settings in section 3
- Emergency stop
- External contacts
- Lost connection
- Wrong user login
- Washer communication
- Washer cycles
- Leak test
- Water test / flush
- Product dosage
- Product low level

Connectivity / Status settings in section 4
- Lan IP
- Lan HMI

Special actions settings in section 5
- Change the site the unit is linked to

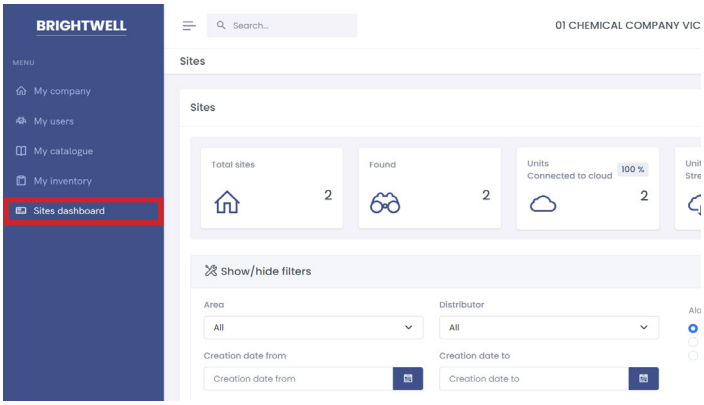
Please note - All sections are saved separately. If you make changes across multiple sections please make sure to press the Save icon for each section.



ACCESSING CHANNELS, WASHER EXTRACTORS, FORMULAS AND DATA TRANSFER

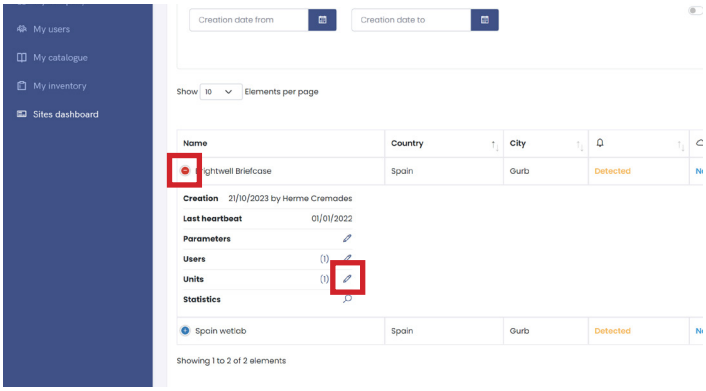
STEP 1

To access the channels, Washer Extractors, Formulas and Data Transfer options for your Portal you will need to follow the below steps. First, click on the **Sites Dashboard** in the side navigation menu.



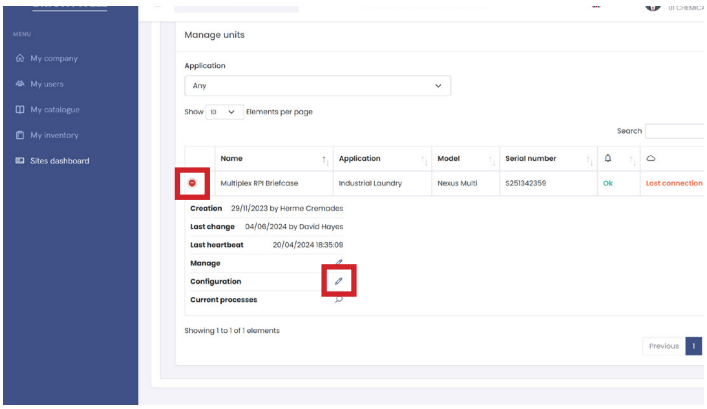
STEP 2

Scroll down until you find the site you want to edit and click on the **+** to expand the options. Press the **Edit icon** next to **Units** option that appears.



STEP 3

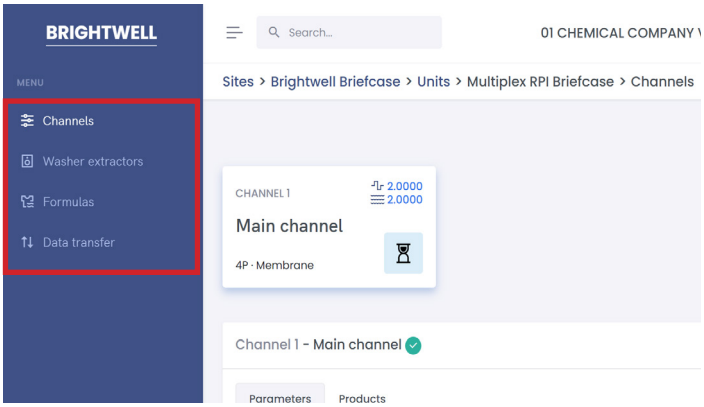
Click on the **+ icon** or the unit name to expand the parameters menu. Click on the **Configuration icon** to open the next screen.



STEP 4

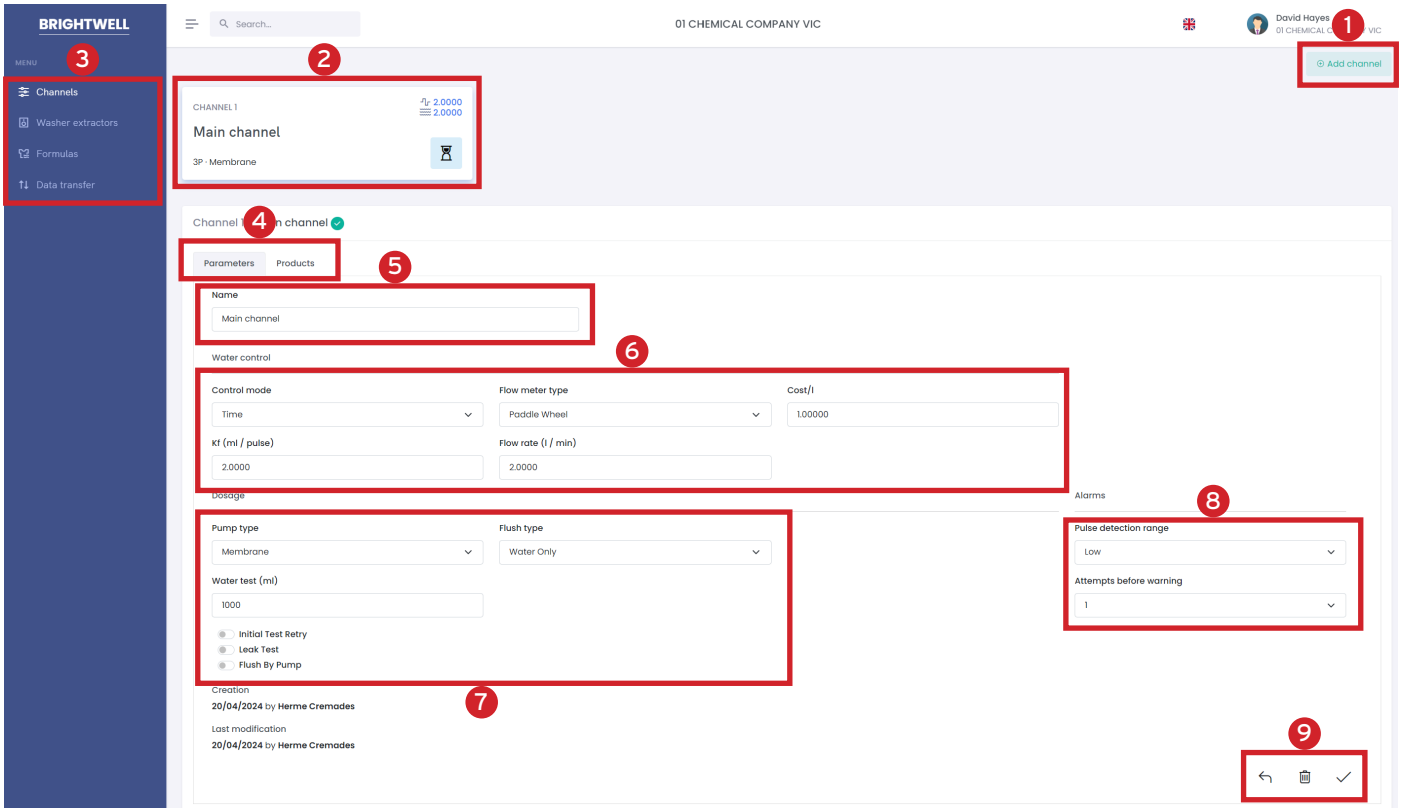
Once this opens the options for the following;

- **Channels**
- **Washer Extractors**
- **Formulas**
- **Data Transfer**



UNIT CONFIGURATION OVERVIEW

Please note - To access the channel parameters menu. Please refer to this previous section - "Accessing Channels, Washer Extractors, Formulas and Data Transfer (P28)"



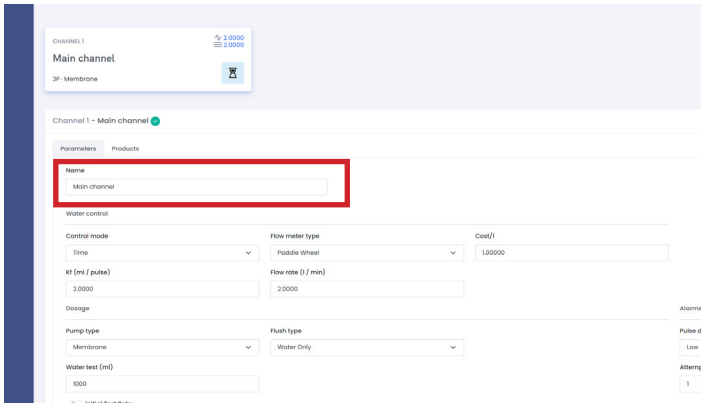
1. To add a new channel press the icon in the top right
2. Here you can see the list of current channels on your system
3. The side navigation bar has changed to allow you to move between;
   - Channels
   - Washer extractors
   - Formulas
   - Data transfer
4. Use these tabs to switch between Parameters and Product settings
5. Channel Name
6. Water control settings
7. Dosage settings
8. Alarm settings
9. Save, delete and return icons

EDITING CHANNEL PARAMETER SETTINGS

STEP 1

You can use the first field to adjust the **Channel Name.**

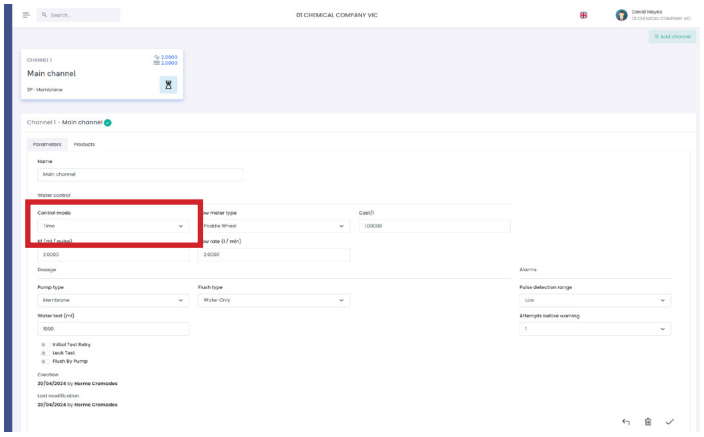
Please note - To access the unit Channels menu. Please refer to this previous section - "Accessing Channels, Washer Extractors, Formulas and Data Transfer (P28)"



STEP 2

Next you find the **Control Mode.** Where you can select between **Time or Flow meter.**

***We recommend using a flow meter for your Multiplex as it guarantees accurate chemical delivery to your machines. This option is to allow for temporary use of the unit while you await repairs.**

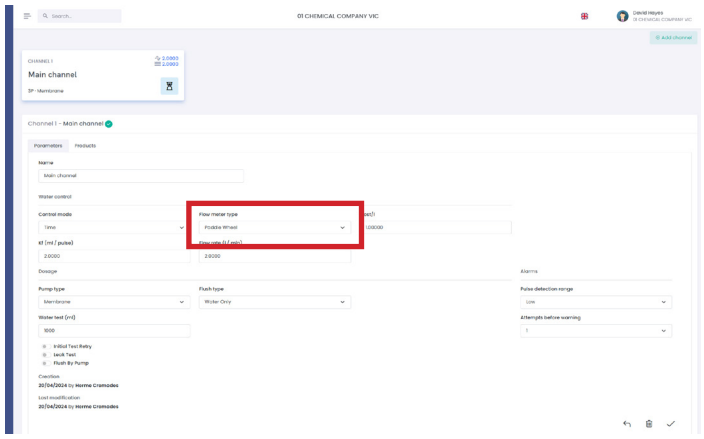


STEP 3

Select the correct **Flow Meter Type** using the drop down;

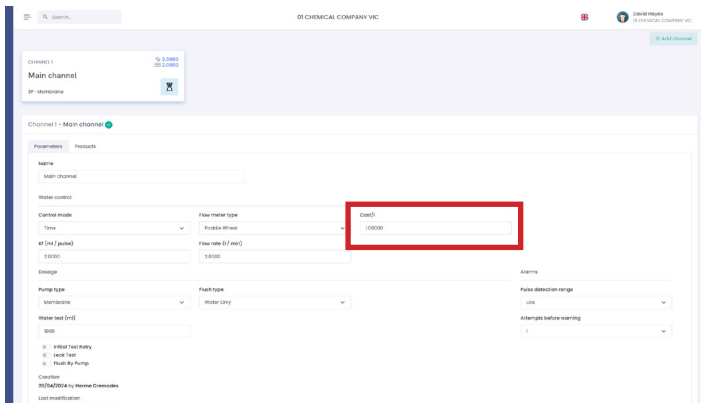
- Paddles
- Oval-Gear
- Thermal

Please note: Do not change this unless you have replaced the flow meter provided from your supplier.



STEP 4

Next is the Cost value for the water of this channel, this is used for cost reporting.



EDITING CHANNEL PARAMETER SETTINGS

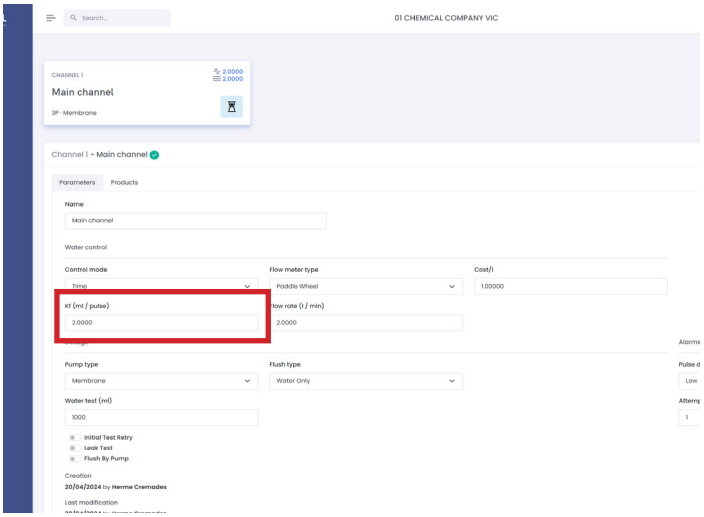
STEP 5

To adjust the **Kf value** please use the highlighted box.

Please note - These values are generated automatically by running a calibration on the unit. For Multiplex 1 and Multiplex 1 pro this is done via the web server. Please refer to the Web Server Configuration Tool guide.

If you are using Multiplex 2 or 2 pro this is disabled on the web tool. Please refer to the On Board Screen Configuration guide.

***We DO NOT advise setting the values manually**



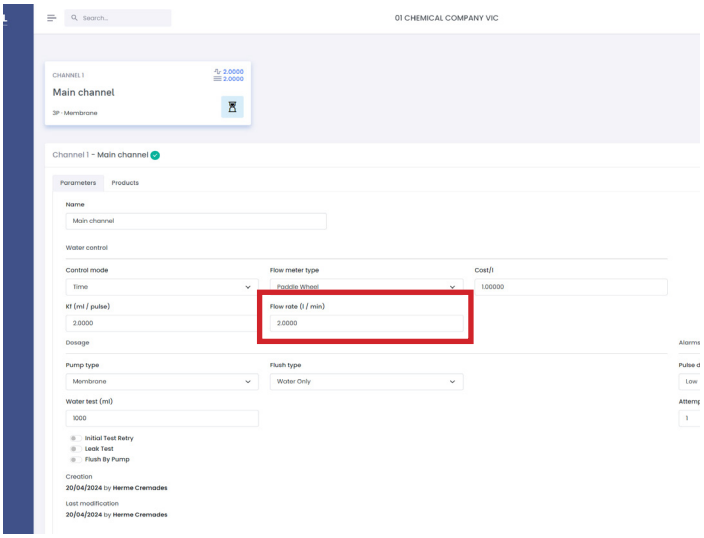
STEP 6

You can now set up the **Flow Rate** value for the Chemical here.

Please note - These values are generated automatically by running a calibration on the unit. For Multiplex 1 and Multiplex 1 pro this is done via the web server. Please refer to the Web Server Configuration Tool guide.

If you are using Multiplex 2 or 2 pro this is disabled on the web tool. Please refer to the On Board Screen Configuration guide.

***We DO NOT advise setting the values manually**

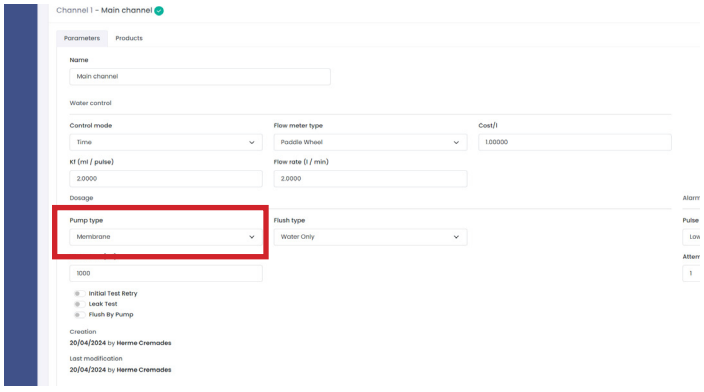


STEP 7

If you need to adjust the pump type for the unit you can use the drop down menu to choose between;

- **Peristaltic**
- **Motor**
- **Membrane**
- **Pneumatic**
- **Venturi**

The recommended configuration for the Multiplex is water or air flush with a membrane or pneumatic pump. (Based on each site).



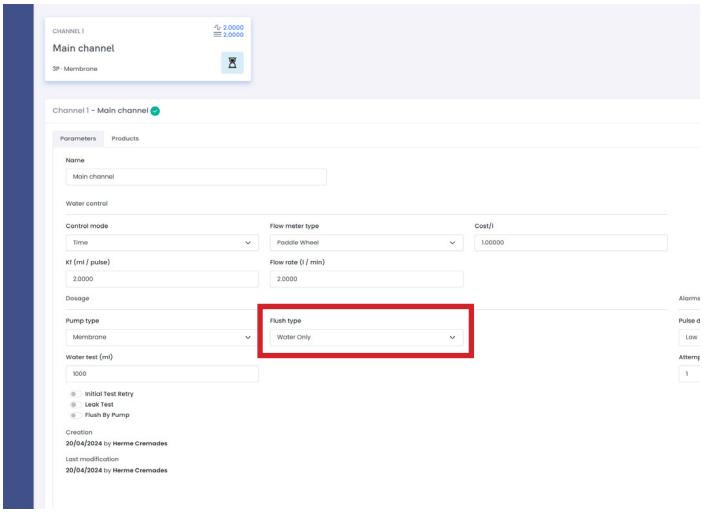
EDITING CHANNEL PARAMETER SETTINGS

STEP 8

If you need to adjust the **Flush Type** for the channel use this drop down to choose between;

- **No Flush**
- **Only Water**
- **Air**

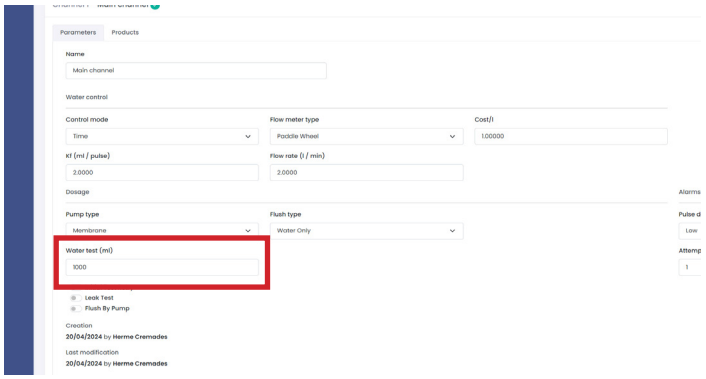
It is recommended to use water for set-ups where the distance between the distributor and unit is under 132 feet. Over 132 feet we advise using Air flush and a water test of over 34 Fl. oz to prevent product residue building up.
It is only recommended to use no flush when you have chemicals that become more viscous with water or the product is going directly to the washer.



STEP 9

Next you can adjust the water test volume for your channel. **The minimum value for this is 34 Fl. oz to ensure a correct test and separation of chemicals.**

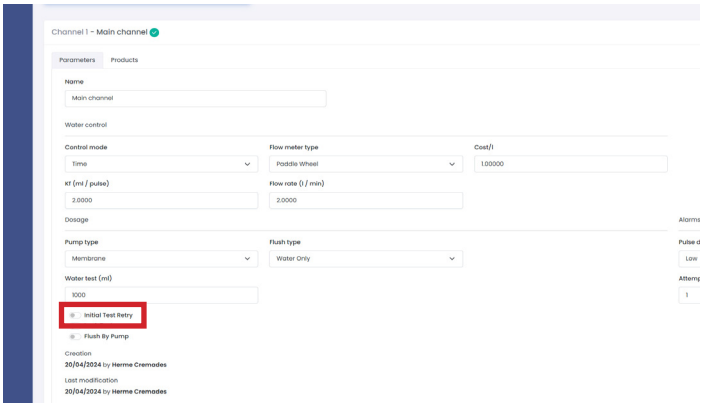
A water test is used to verify that the minimum indispensable conditions and that the product will reach its destination. A water test is recommended when products with high viscosity or high surface tension pass through the channel.



STEP 10

If you want to setup a **Retry the water test** on this channel press the drop down to toggle between **Yes** or **No**.

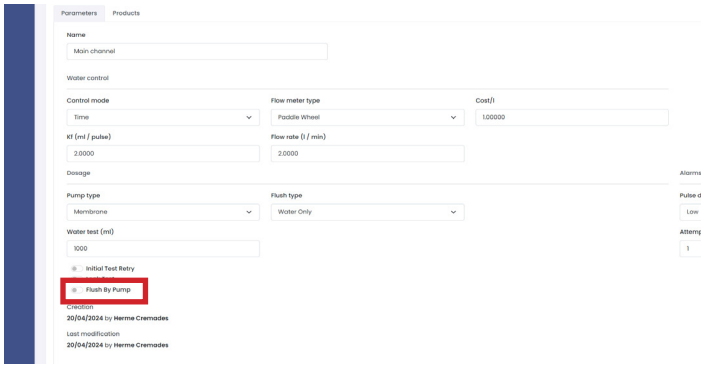
During operation there may be an unforseen event where the correct level of water is not delivered between products. Enabling this feature will allow a second test on this to accommodate this potential issue.



STEP 10

The final toggle switch enables the **Flush by Pump** function.

***This is not a recommended setup option and is only used when you do not have pressure regulated water for your setup. If this is the case, we advise the purchase of a booster tank to stabilise water pressure and ensure unit performance and reliability.**



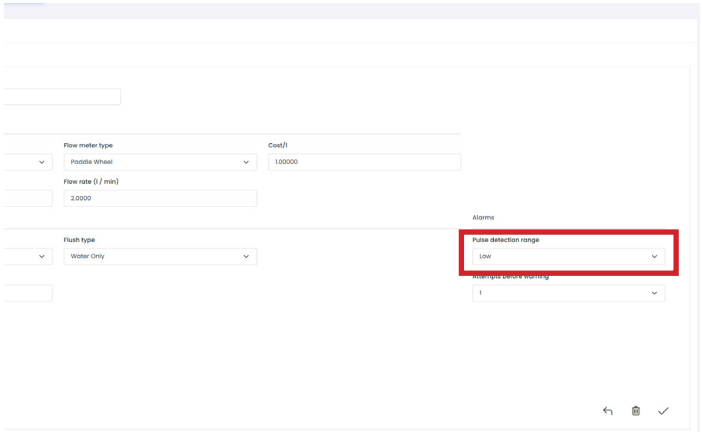
EDITING CHANNEL PARAMETER SETTINGS

STEP 11

At the bottom of the screen you can see the **Alarms settings**. The first box allows you to setup the **Pulse Detection Range**. You can select between;

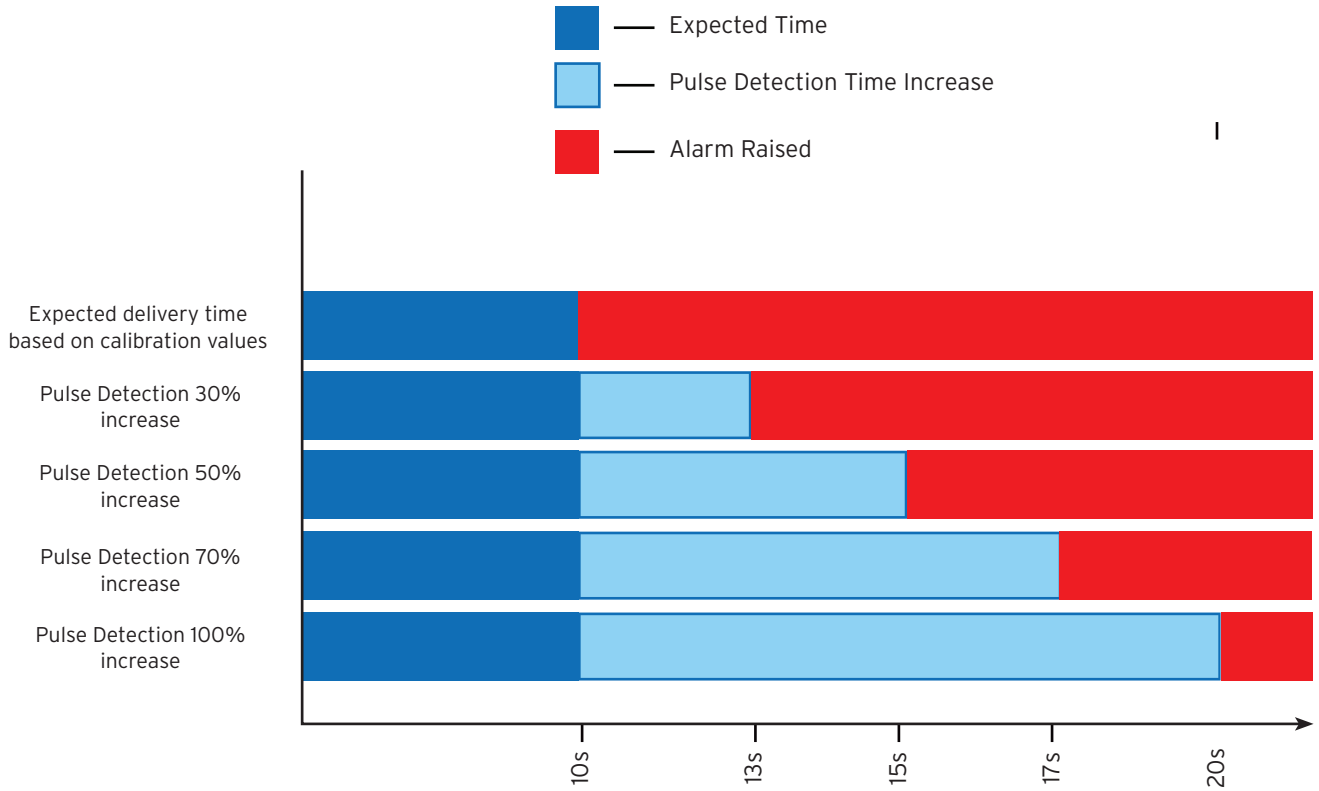
- Low (30%)
- Medium (50%)
- High (70%)
- Maximum (100%)

This is the additional time that can be added for the flow meter to detect the correct volume of chemical. A more detailed explanation is on the next page.



PULSE DETECTION RANGE

When dosing chemical it may be required to increase the detection range to allow for fluctuations in flow for the product. This may be needed when there is potentially gassing products causing gas to expand in the pipe, or very viscous products that can become more difficult to pump if left sedentary.
Below is a graph explaining the functionality.



Time to detect correct chemical delivery

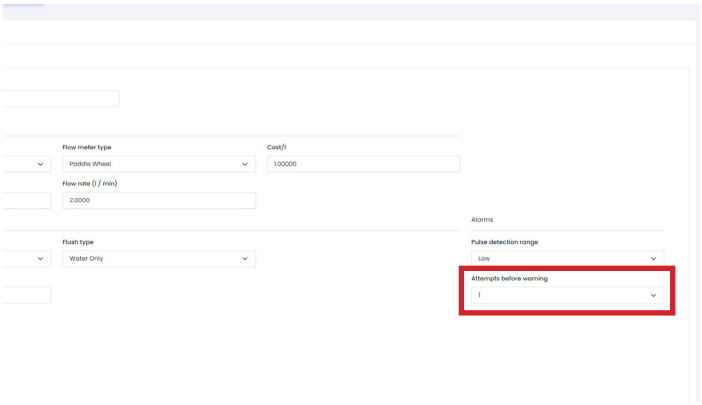
Please note - we advise setting this to as close to the expected delivery time as possible for accurate results and early warning of any potential hardware failures that may arise. Setting this to the maximum level by default will potentially hide maintenance issues that could be resolved before failure of the part.

EDITING CHANNEL PARAMETER SETTINGS

STEP 12

Below this you can set the number of retries before an alarm is raised.

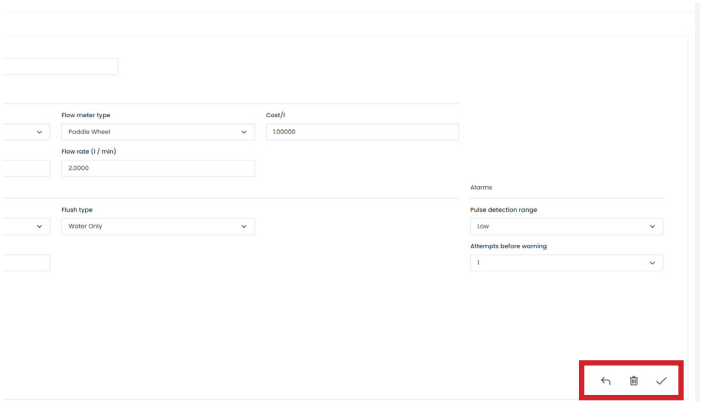
The feature is only available with a flow meter installed. This stops consecutive audio alarms from sounding on the unit to reduce noise pollution in the laundry.
This is ONLY for the product dosage and water flush test. Not initial leak test.



STEP 13

Once you are happy with the settings you can use the **Tick icon** in the bottom right to save your settings.

The **Trash icon** will clear all changes made.

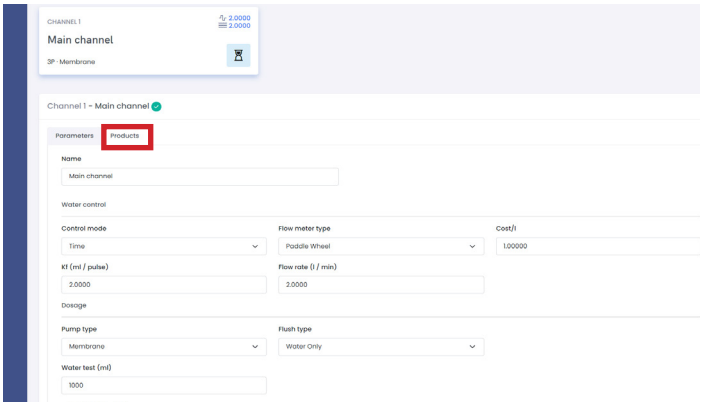


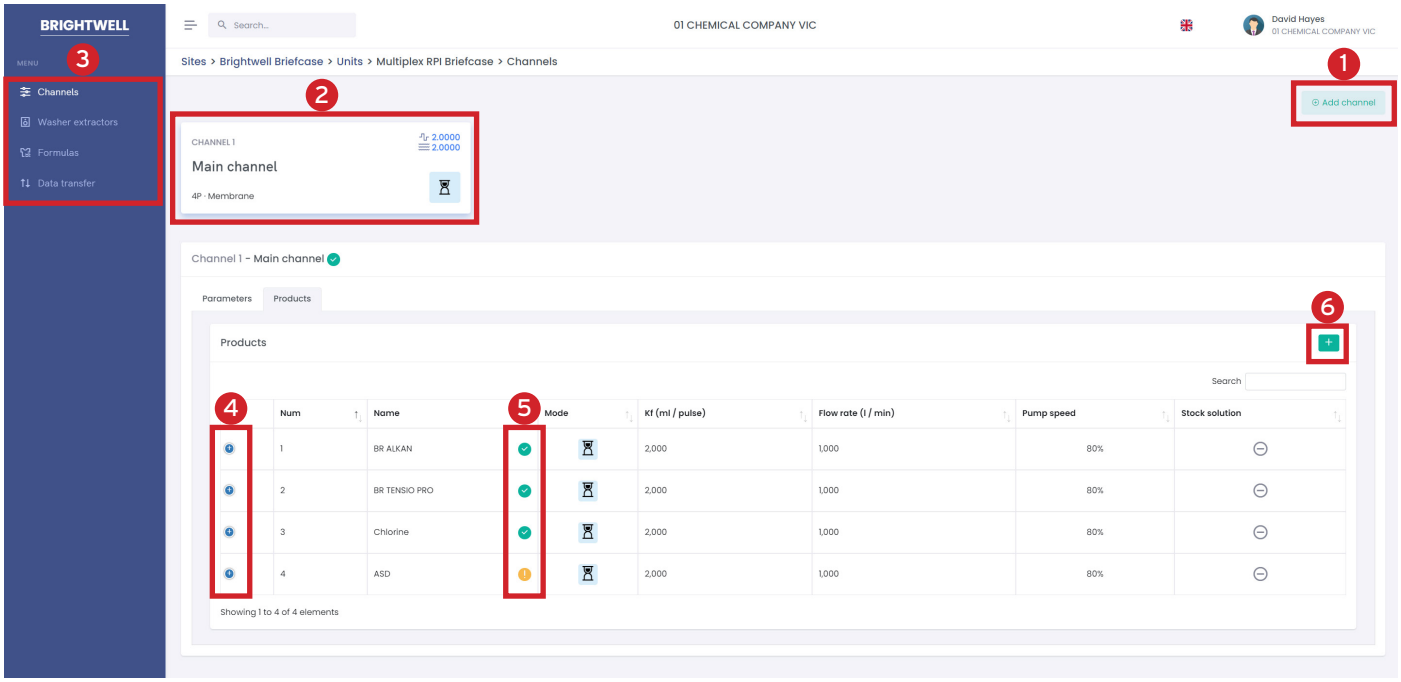
PRODUCT PAGE OVERVIEW

Please note - To access the products menu. Please refer to this previous section - "Accessing Channels, Washer Extractors, Formulas and Data Transfer (P28)"

STEP 1

To open the Product settings menu press the **Product tab** located at the top of the page.



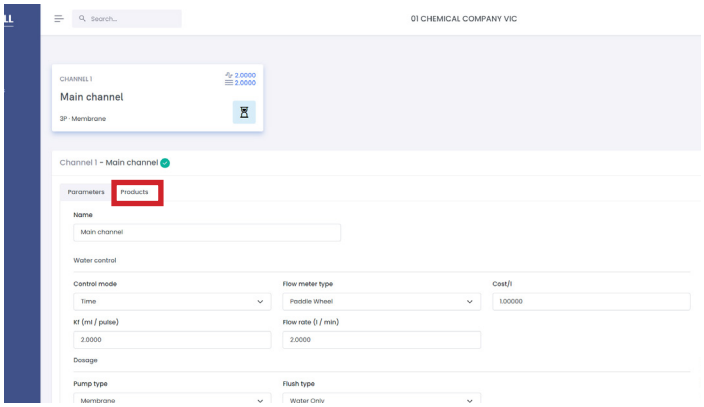


1. To add a new channel press the icon in the top right
2. Here you can see the list of current channels
3. The side navigation bar has changed to allow you to move between;
   - Channels
   - Washer extractors
   - Formulas
   - Data transfer
4. Press this + icon to expand the selected chemical and view details
5. Is a visual indicator for the chemical. Green confirms it has been setup and saved correctly into the catalogue. Orange implies the chemical is incomplete and requires attention
6. The + icon here allows you to add a new chemical to your channel

ADDING OR EDITING YOUR PRODUCT SETTINGS

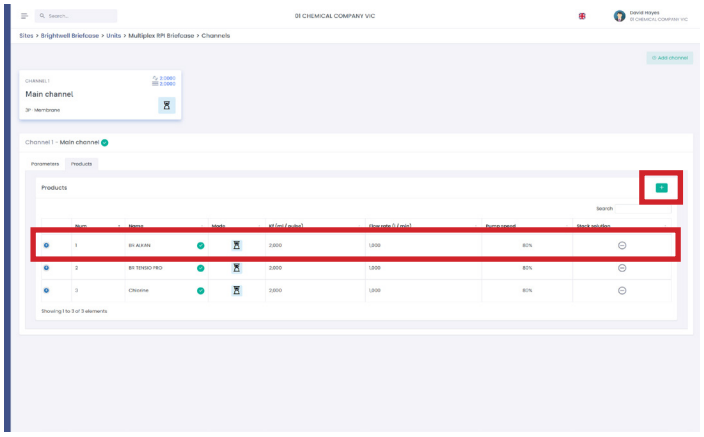
STEP 1

To open the Product settings menu press the **Product tab** located at the top of the page.



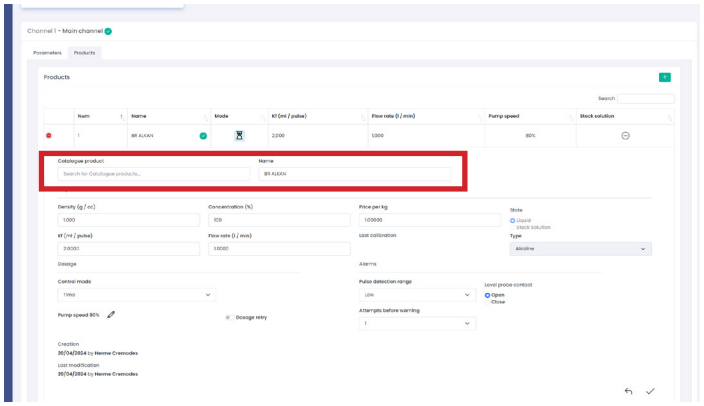
STEP 2

Locate the chemical you want to edit and click on the **Blue + icon** to expand the settings. Alternatively, to create a new Product press the **+ icon** located in the top right of the web page.



STEP 3

Once expanded you can edit the **Catalogue Product name** and the **Product name** using the text fields provided.

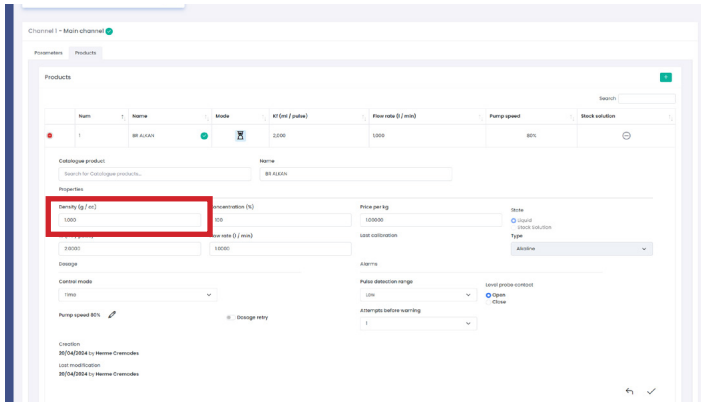


STEP 4

The next box allows you to set the **Density** of the product. Please refer to the chemical manufacturers values for this.

We recommend that this value is precise and based on the chemical datasheet. As this directly effects the dosage of the chemical

X value density / 1kg of laundry

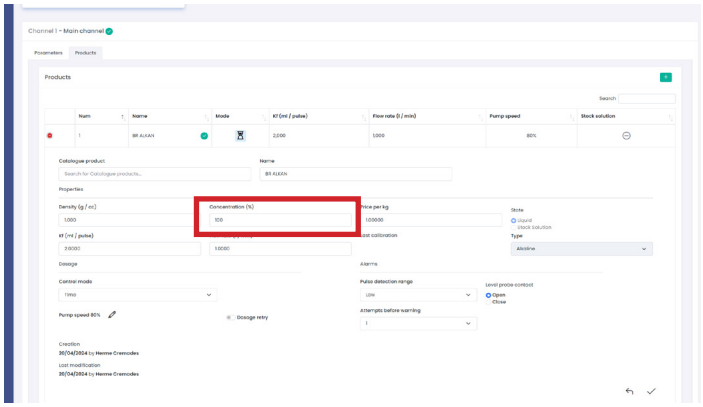


ADDING OR EDITING YOUR PRODUCT SETTINGS

STEP 5

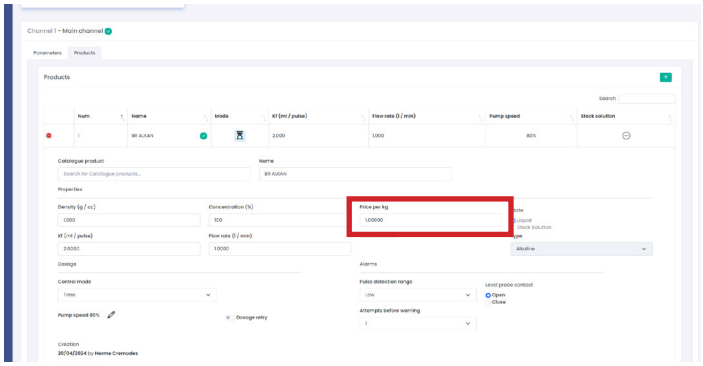
Next set your **Product Concentration** percentage if this is diluted.

If you are using products in pre-dilution and want the 'grams of pure product' you should set this field percentage to the direct dilution of the product. For example;
1000 litres you use 100kg of product your % = 1000/100 = 10%



STEP 6

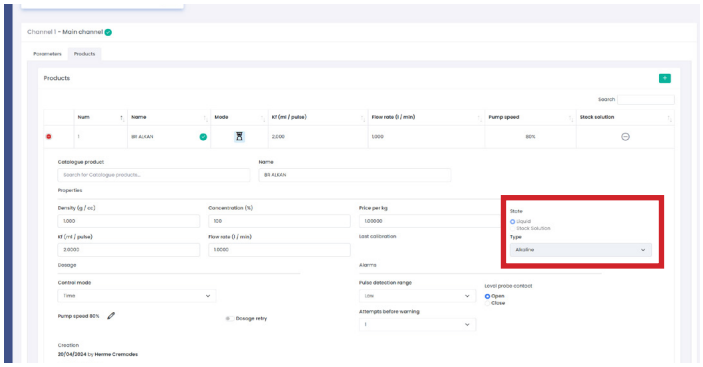
Below you can set the **Price per Gal** of the product for cost reporting.



STEP 7

You can see the **State** and type of the product on the right hand side.

Please note - These are uneditable and set by the chemical catalogue.



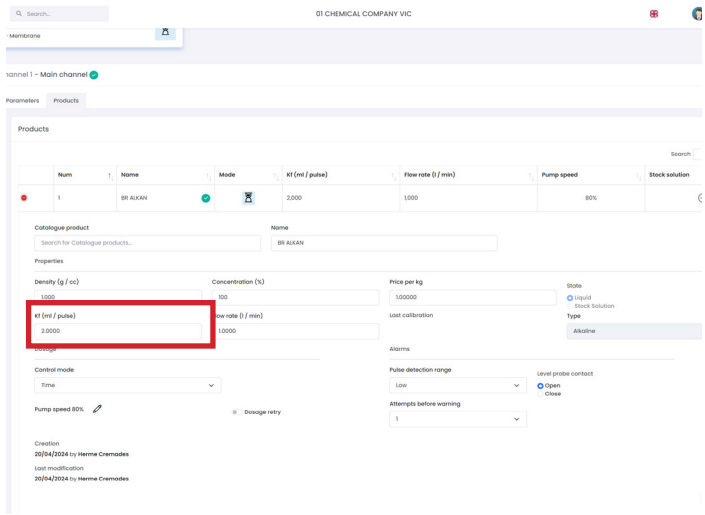
STEP 8

To set the **Kf** value please use the highlighted box.

Please note - These values are generated automatically by running a calibration on the unit. For Multiplex 1 and Multiplex 1 pro this is done via the web server. Please refer to the Web Server Configuration Tool guide.

If you are using Multiplex 2 or 2 pro this is disabled on the web tool. Please refer to the On Board Screen Configuration guide.

***We DO NOT advise setting the values manually**



ADDING OR EDITING YOUR PRODUCT SETTINGS

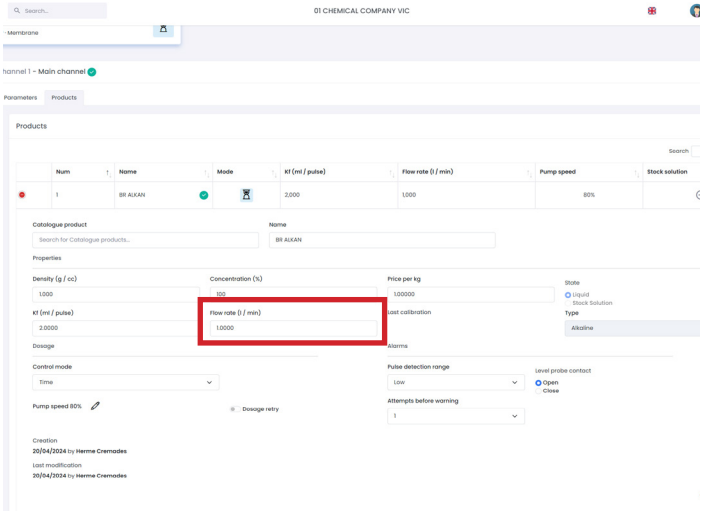
STEP 9

You can now set up the **Flow Rate** value for the chemical here.

Please note - These values are generated automatically by running a calibration on the unit. For Multiplex 1 and Multiplex 1 pro this is done via the web server. Please refer to the Web Server Configuration Tool guide.

If you are using Multiplex 2 or 2 pro this is disabled on the web tool. Please refer to the On Board Screen Configuration guide.

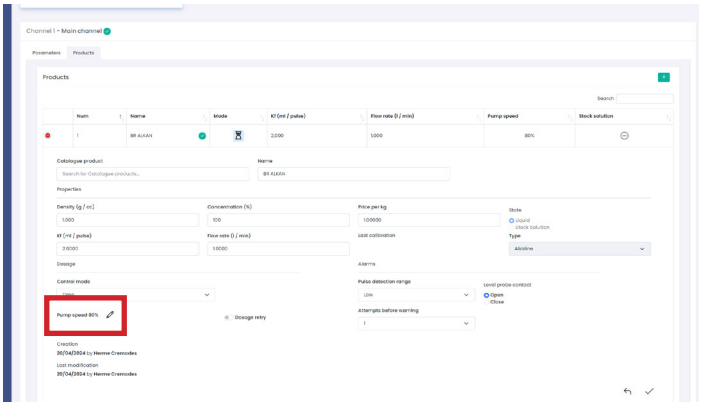
***We DO NOT advise setting the values manually**



STEP 10

Below you can now adjust the **Pump Speed** for this chemical using the pencil icon.

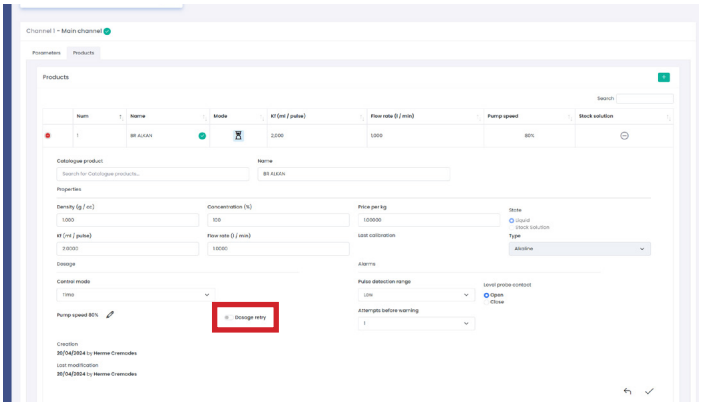
We recommend a speed of;
- 80% - 100% for high volume delivery
- 30% - 80% for low volume delivery
- DO NOT use below 30% speed for delivery



STEP 11

To the right of pump speed you can locate the **Dosage Retry** button.

This will enable the system to retry dosing the product if the correct number of pulses are not met in the expected delivery time.



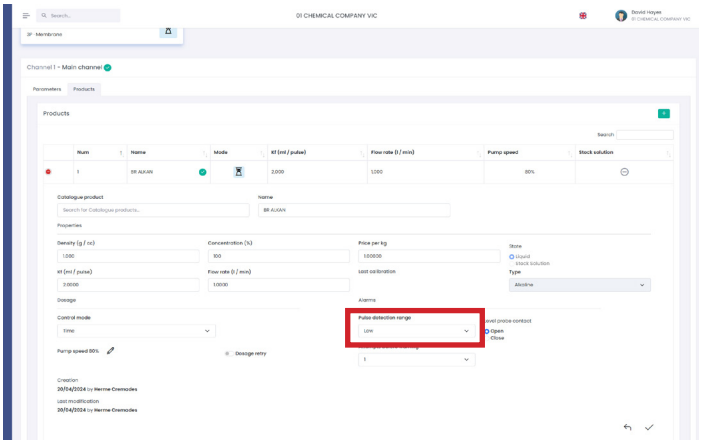
ADDING OR EDITING YOUR PRODUCT SETTINGS

STEP 12

At the bottom of the screen you can see the **Alarms settings**. The first box allows you to setup the **Pulse Detection Range**. You can select between;

- **Low (30%)**
- **Medium (50%)**
- **High (70%)**
- **Maximum (100%)**

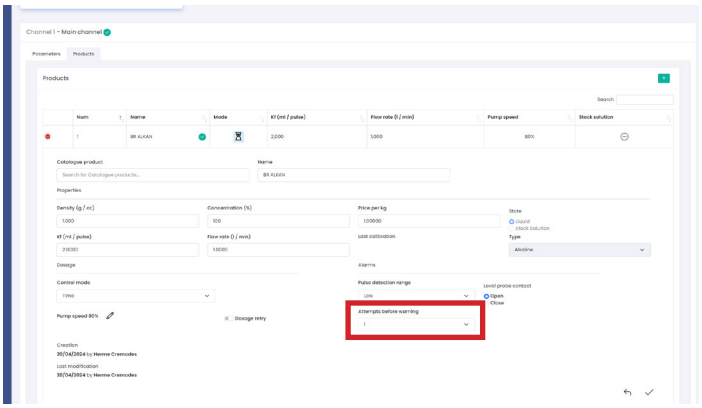
This is the additional time that can be added for the flow meter to detect the correct volume of chemical. A more detailed explanation is found here: Pulse Detection Range (P33)



STEP 13

Below this you can set the number of **Attempts Before Warning**.

The feature is only available with a flow meter installed. This stops consecutive audio alarms from sounding on the unit to reduce noise pollution in the laundry.

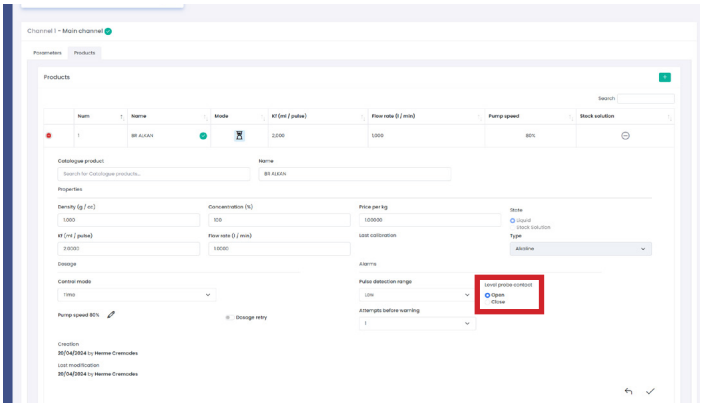


STEP 14

Finally, you can adjust the **Level Probe Contact** to;

- **Normally Open**
- **Normally Closed**

Please note - The standard Brightwell products are Normally Closed

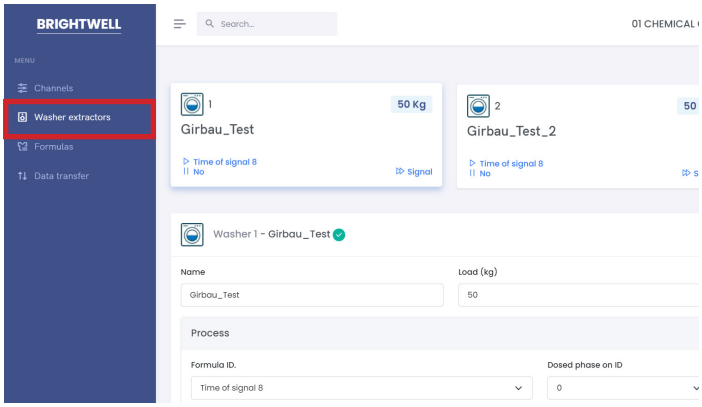


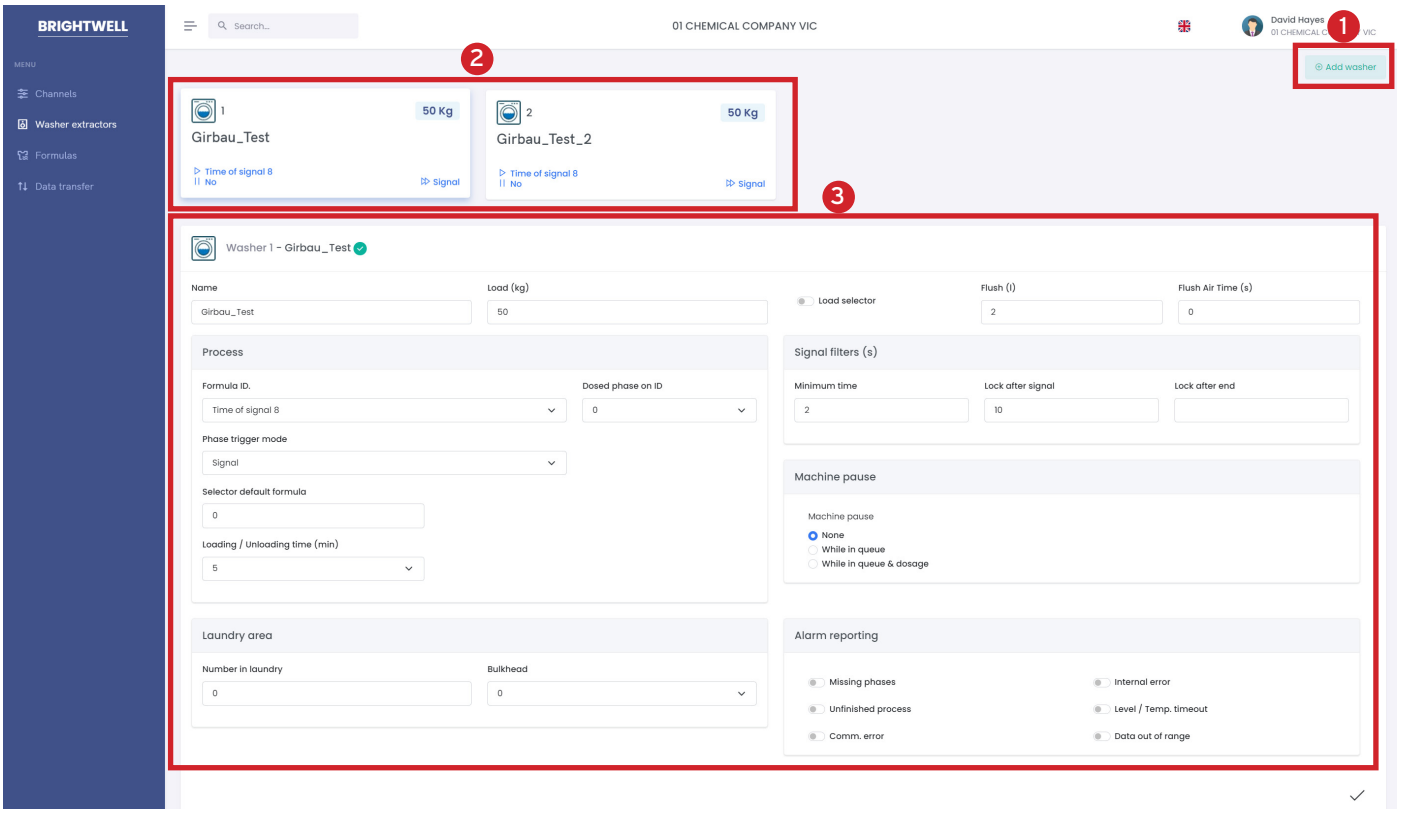
WASHER EXTRACTORS OVERVIEW

Please note - To access the washer extractors menu. Please refer to this previous section - "Accessing Channels, Washer Extractors, Formulas and Data Transfer (P28)"

STEP 1

To access the **Washer Extractors overview** select the icon in the side navigation bar.



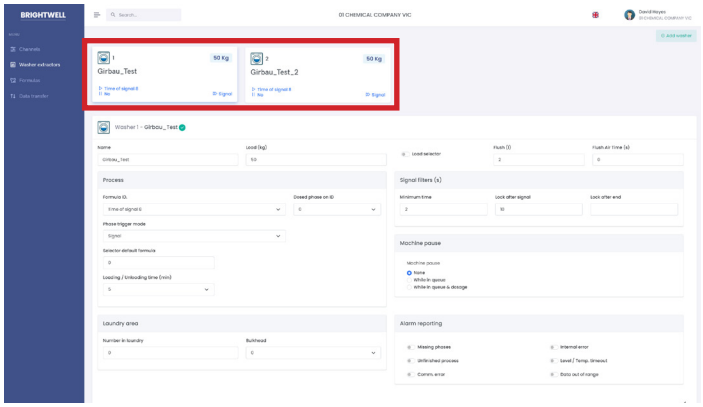


1. To add a new channel press the icon in the top right
2. Here you can see the list of current washer extractors linked to your channel, this is also how you select the extractor you wish to edit
3. The washer extractor settings are listed here

EDITING OR ADDING A WASHER EXTRACTOR SETUP

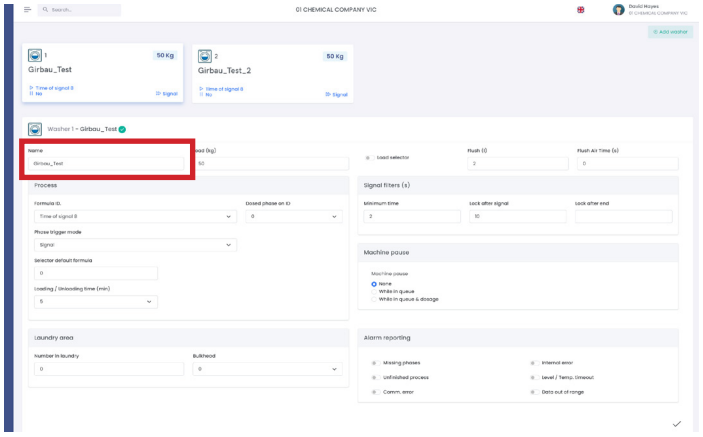
STEP 1

To change the settings on a washer extractor navigate to the **Washer Extractor menu** via the side menu. Once here, select the washer from the available at the top of the page.



STEP 2

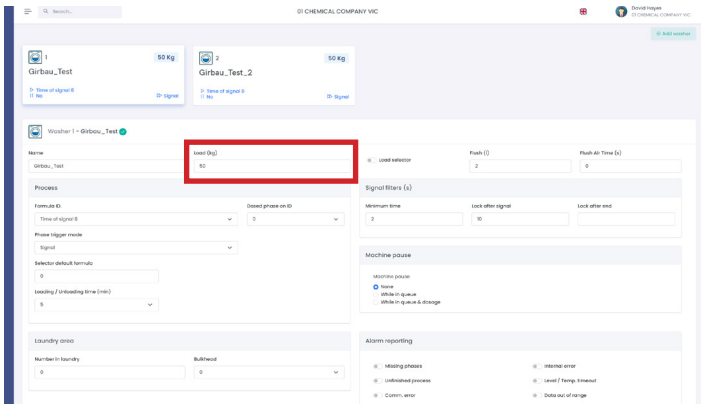
The first section allows you to set the custom name for the washer.



STEP 3

Next you are able to set the **Total Load in Kg** for the **Washer Extractor**.

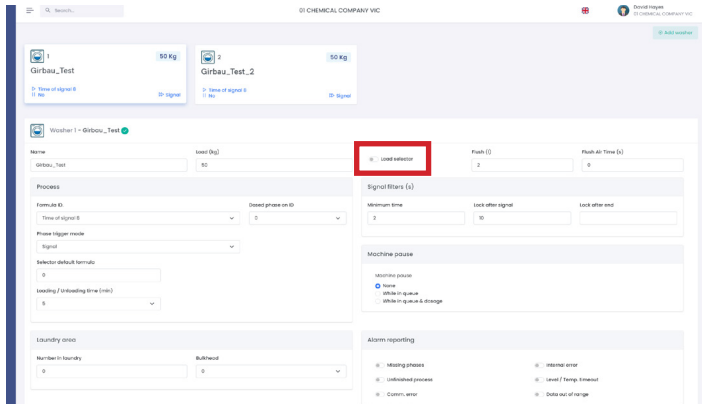
This field is essential in calculating the total volume to be dosed to the load.



STEP 4

You can now enable or disable the **Load Selection** for this washer.

This setting requires a formula select, so please contact Brightwell to discuss this setting and equipment if required.

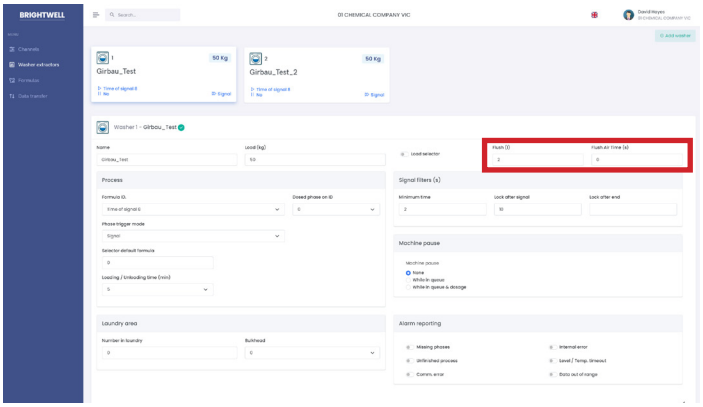


EDITING OR ADDING A WASHER EXTRACTOR SETUP

STEP 5

The next box allows you to set the **Water Flush (Fl. oz)** quantity required.
Alternatively, if you are using air flush you can use the **Air Time (S)** box below this instead.

This value needs to be precise for correct delivery of chemical. Please run a visual check of the water required to completely inject the chemical into the machine, as this varies based on distance from the distributor.

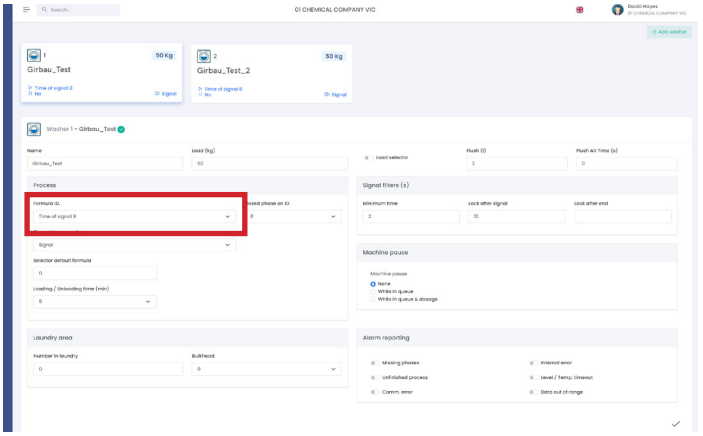


STEP 6

In the Dosing Process column you can first set the Formula ID section. This can be;

- **Selector**
- **Time of signal 8**
- **Time of signal 1+8**
- **Binary**
- **Free**

Please refer to the next section for a more detailed explanation.



SIGNAL TIME 8

This selects the program based on 5 second intervals of the Signal 8 going high. This settings is advised for units with a lower number of formulas (1-20). Please refer to the table below for timings.

Formula	Signal 8 Time on	Formula	Signal 8 Time on	Formula	Signal 8 Time on	Formula	Signal 8 Time on
1	5 s	5	25 s	9	45 s	13	65 s
2	10 s	6	30 s	10	50 s	14	70 s
3	15 s	7	35 s	11	55 s	15	75 s
4	20 s	8	40 s	12	60 s	16...	80 s...

EDITING OR ADDING A WASHER EXTRACTOR SETUP

SIGNAL TIME 1+8

This selects the program based on the duration of signals 1 and 8 going high simultaneously. This setting is advised for units that have a larger volume of formulas to select (20+) The below table explains the timing and selection details.

Formula	Signal 1 Time on	Signal 8 Time on	Formula	Signal 1 Time on	Signal 8 Time on	Formula	Signal 1 Time on	Signal 8 Time on	Formula	Signal 1 Time on	Signal 8 Time on
1	5 s	5 s	**11**	10 s	5 s	**21**	15 s	5 s	**31**	20 s	5 s
2	5 s	10 s	**12**	10 s	10 s	**22**	15 s	10 s	**32**	20 s	10 s
3	5 s	15 s	**13**	10 s	15 s	**23**	15 s	15 s	**33**	20 s	15 s
4	5 s	20 s	**14**	10 s	20 s	**24**	15 s	20 s	**34**	20 s	20 s
5	5 s	25 s	**15**	10 s	25 s	**25**	15 s	25 s	**35**	20 s	25 s
6	5 s	30 s	**16**	10 s	30 s	**26**	15 s	30 s	**36**	20 s	30 s
7	5 s	35 s	**17**	10 s	35 s	**27**	15 s	35 s	**37**	20 s	35 s
8	5 s	40 s	**18**	10 s	40 s	**28**	15 s	40 s	**38**	20 s	40 s
9	5 s	45 s	**19**	10 s	45 s	**29**	15 s	45 s	**39**	20 s	45 s
10	5 s	50 s	**20**	10 s	50 s	**30**	15 s	50 s	**40**	20 s	50 s

BINARY

For this mode the unit will select a program based on the below signal combinations.

Formula	8	7	6	5	4	3	2	1
1	■							■
2	■						■	
3	■						■	■
4	■					■		
5	■					■		■
6	■					■	■	
7	■					■	■	■
8	■				■			
9	■				■			■
10	■				■		■	
11	■				■		■	■
12	■				■	■		
13	■				■	■		■
14	■				■	■	■	
15	■				■	■	■	■
16	■			■				

Formula	8	7	6	5	4	3	2	1
17	■			■				■
18	■			■			■	
19	■			■			■	■
20	■			■		■		
21	■			■		■		■
22	■			■		■	■	
23	■			■		■	■	■
24	■			■	■			
25	■			■	■			■
26	■			■	■		■	
27	■			■	■		■	■
28	■			■	■	■		
29	■			■	■	■		■
30	■			■	■	■	■	
31	■			■	■	■	■	■
32	■		■					

Formula	8	7	6	5	4	3	2	1
1	■		■					■
2	■		■				■	
3	■		■				■	■
4	■		■			■		
5	■		■			■		■
6	■		■			■	■	
7	■		■			■	■	■
8	■		■		■			
9	■		■		■			■
10	■		■		■		■	
11	■		■		■		■	■
12	■		■		■	■		
13	■		■		■	■		■
14	■		■		■	■	■	
15	■		■		■	■	■	■
16	■		■	■				

FREE MODE

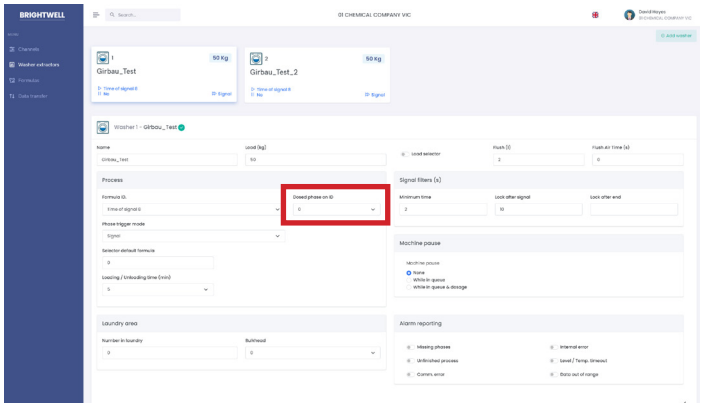
Free mode allows the users to build a custom list of formula selection based on incoming signals. These are **ONLY** defined via the web portal or web server, they cannot be defined on the built in screen.

EDITING OR ADDING A WASHER EXTRACTOR SETUP

STEP 7

After this you can select the **Dosed Phase ID number** using the drop down here.

This allows you to customise what state the machine will enter on receiving the first signal.
If you set this to Phase 0, the unit will not begin dosing until a signal is received from the washer.
If you set this to Phase 1 the unit will immediately begin to dose after the auto formula select signal is confirmed.

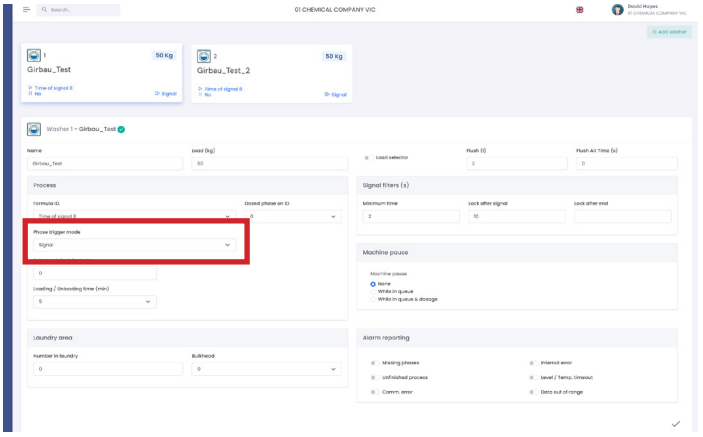


STEP 8

You can now choose between a **Signal or Sequencial Phase Trigger Mode**.

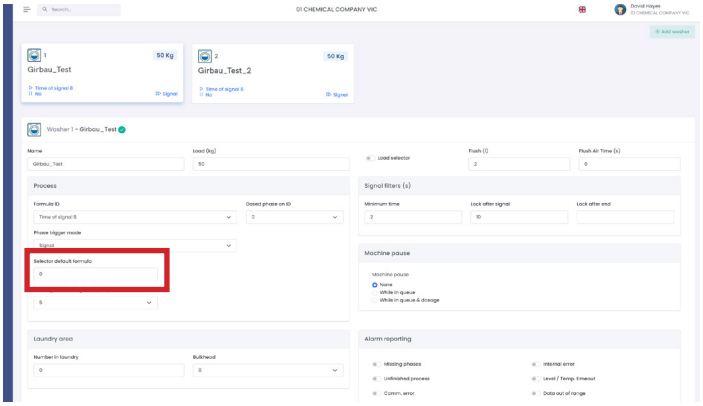
Signal mode defines that the machine itself will send a signal to identify what phase it is entering.

Sequencial mode sets it so that it will move sequencially through the phases one by one in a logical order.



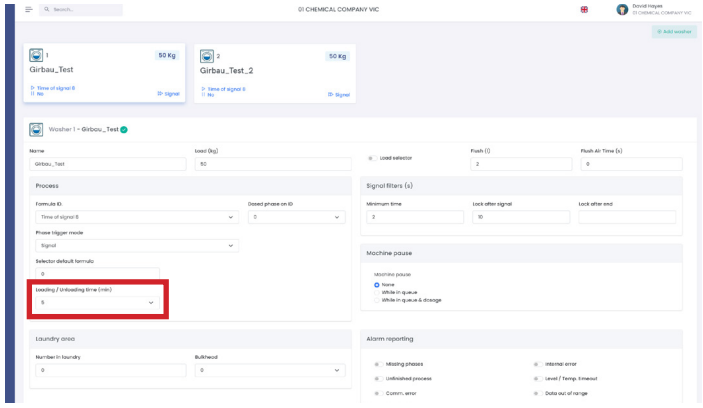
STEP 9

If you have **Selector** chosen you will also have the option to set the **Selector Default Formula**. Which will default back to after a successful cycle.



STEP 10

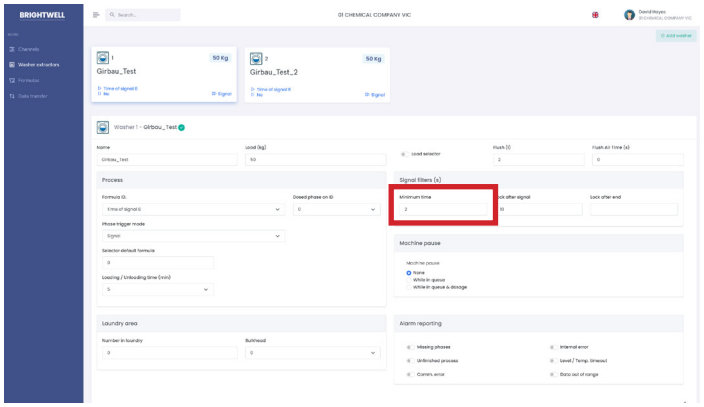
Finally you can adjust the time required to load or unload the machine.



EDITING OR ADDING A WASHER EXTRACTOR SETUP

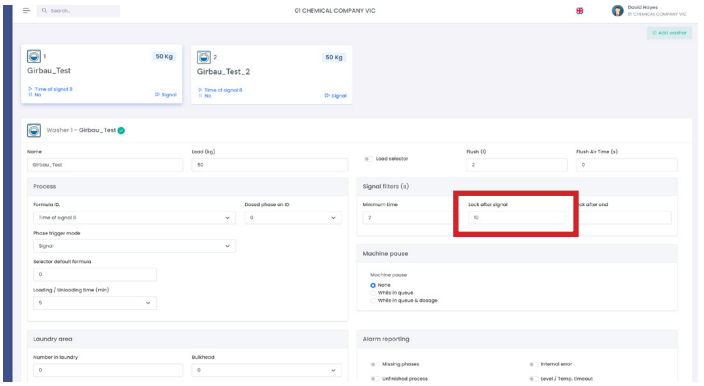
STEP 11

In the **Signal Filters** column the first box allows you to adjust the **Minimum Time** for an accepted signal. This stops ghost signals from triggering the washer.



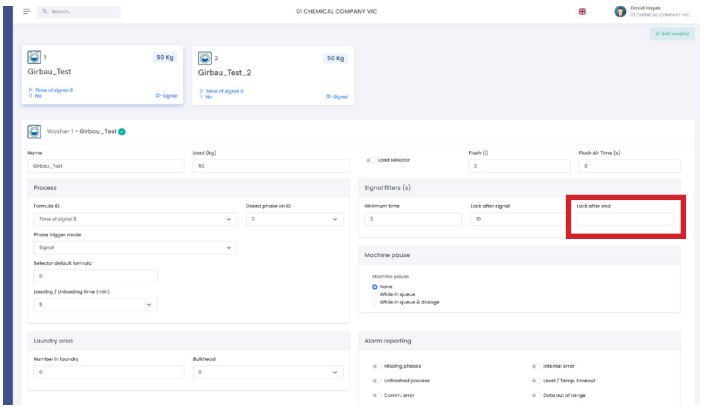
STEP 12

Next you can adjust the time it takes for the washer extractor to **Lock after a Successful Signal** has been sent.



STEP 13

The final box in the **Signal Filters** column allows you to adjust the **Lock time** for the equipment to allow new signals, once the **RESET** has been completed.

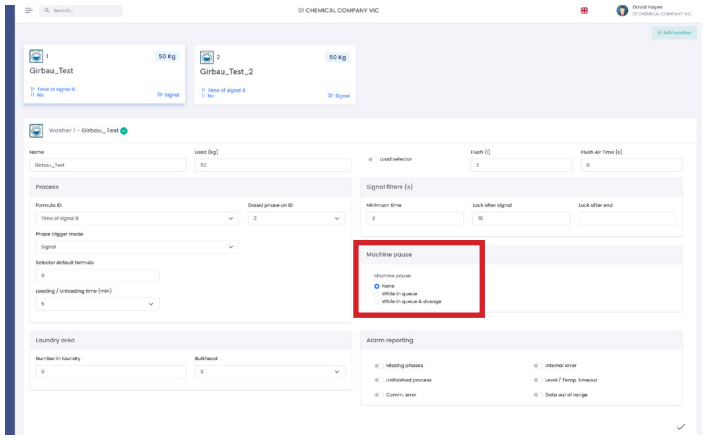


STEP 14

The last column is the **W.E Pause (Washer Extractor Pause)** section.
The first box allows you to adjust the Activation between;

- **No (Deactivated)**
- **While in queue**
- **While in queue and dosage**

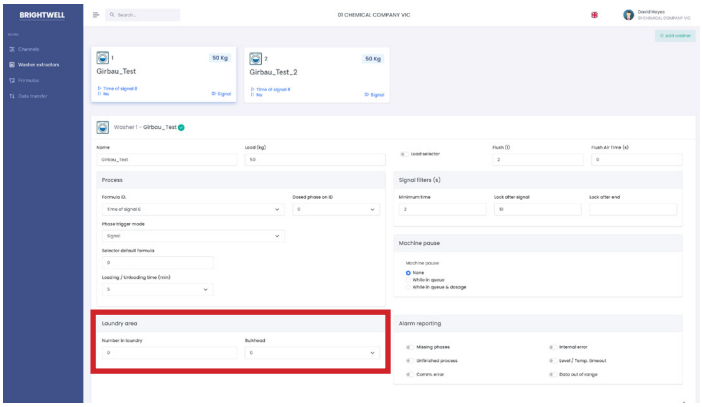
The washer pause functionality allows for 'queuing' of machines when they request chemical delivery while the unit is busy.
When a machine is 'waiting' its timer is paused so that the wash can complete a full cycle correctly. The above options allow you to adjust when the 'pause timer' begins again.



EDITING OR ADDING A WASHER EXTRACTOR SETUP

STEP 15

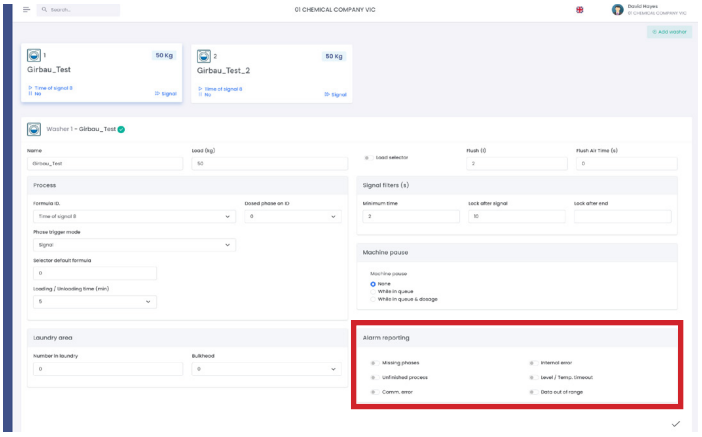
The last setting on the left hand column allows you to set the **Number in Laundry** and the **Bulkhead** number.



STEP 16

The final section allows you to toggle what alarms are enabled on your washer;

- **Missing Phases**
- **Internal Error**
- **Unfinished Process**
- **Level / Temp. Timeout**
- **Communication Errors**
- **Data Out Of Range**

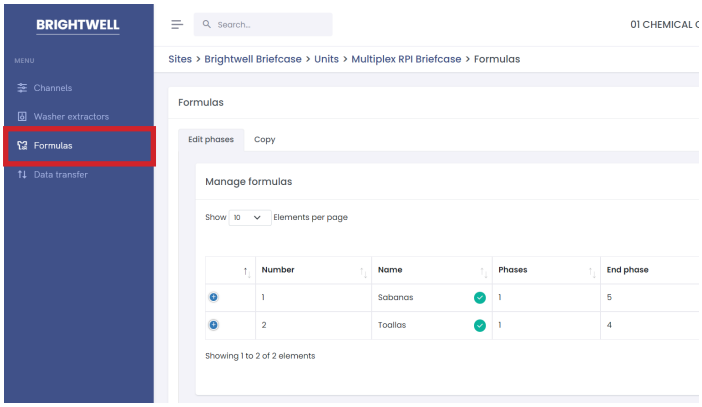


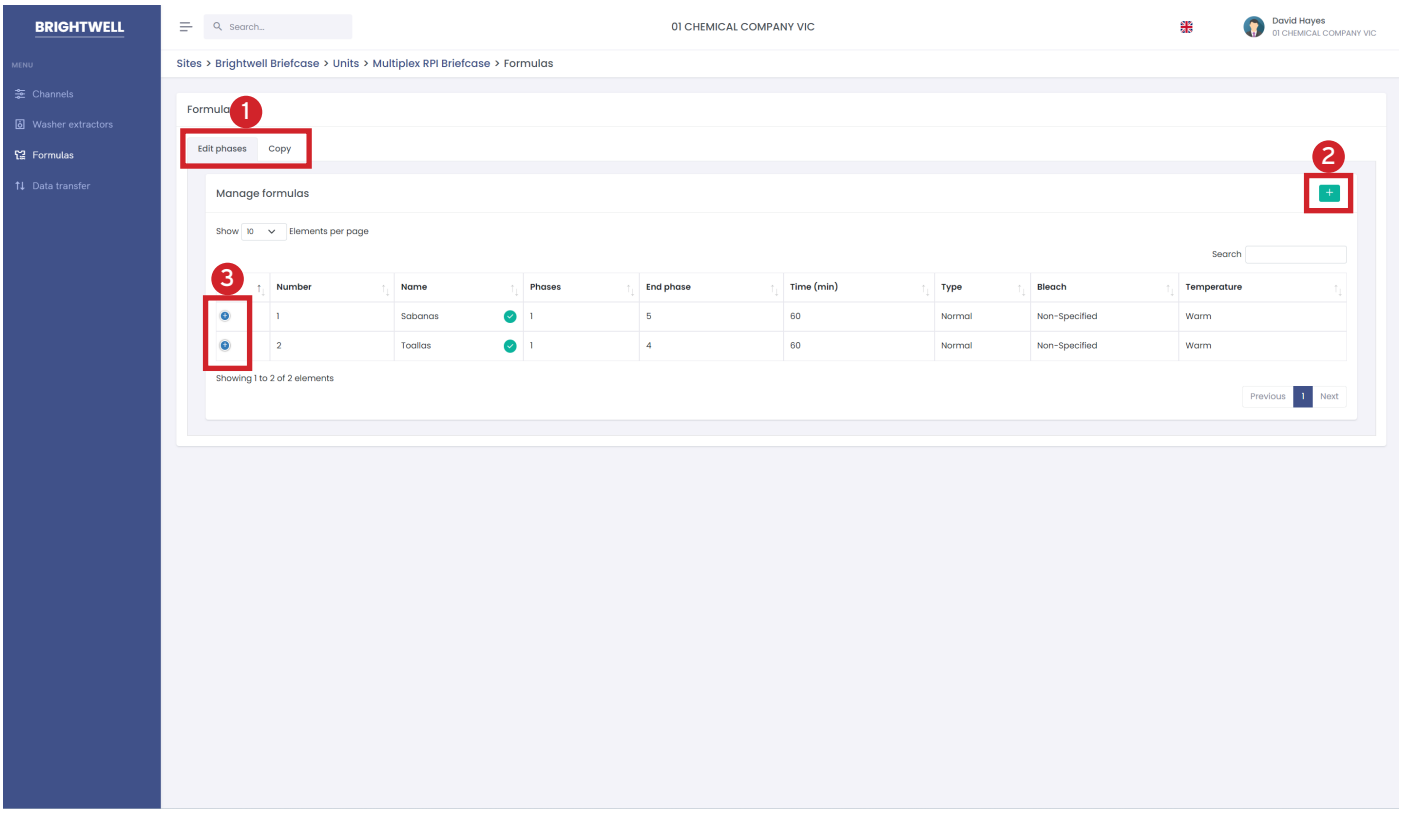
FORMULAS OVERVIEW

Please note - To access the formula menu. Please refer to this previous section - "Accessing Channels, Washer Extractors, Formulas and Data Transfer (P28)"

STEP 1

To access the **Formulas overview** select the icon in the side navigation bar.



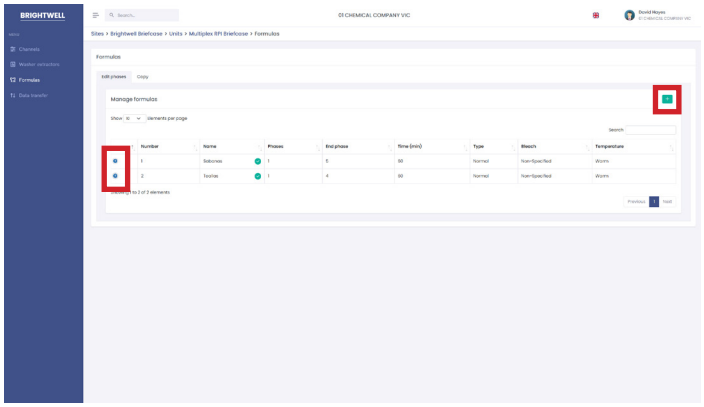


1. Allows you to move between the Edit Phases and Copy tabs
2. Press this to create a new formula
3. Expand the formula using the icon here

EDITING OR CREATING A NEW FORMULA

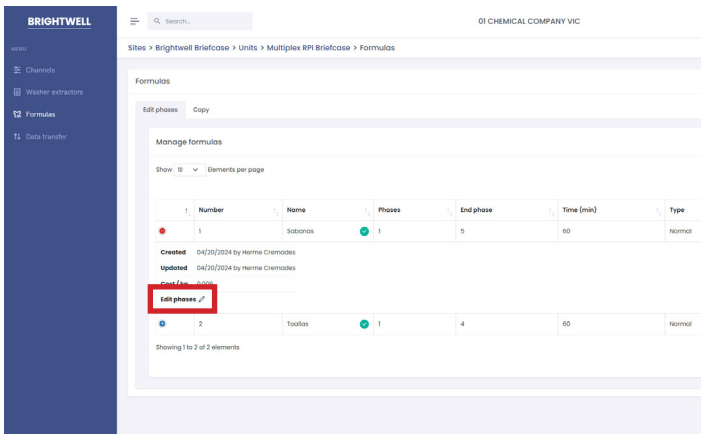
STEP 1

To adjust the settings of your formula press the **Blue + icon** on the formula to expand the options. Alternatively, press the **+ icon** in the top right to create a new one.



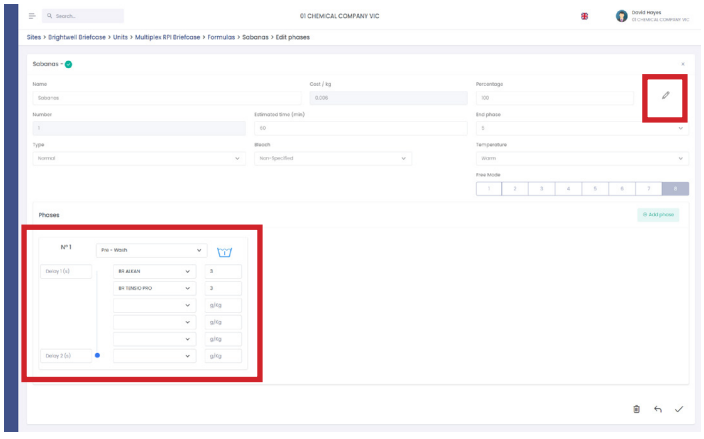
STEP 2

Once the options have been expanded, press the **edit icon** located next to the **Edit Phases** text.



STEP 3

Once the formula has opened you will be able to edit the phases settings located at the bottom of the page. However, you will be unable to make other changes until you have pressed the **Edit icon** located on the right hand side of the screen.

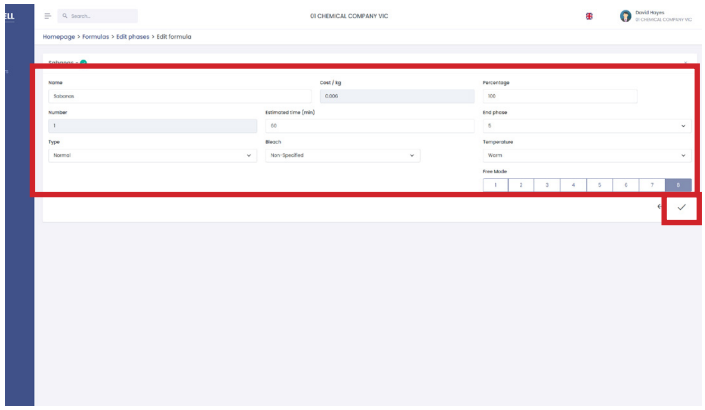


STEP 4

You can now edit;

- **Name**
- **Percentage**
- **Estimated Time**
- **End Phase**
- **Type**
- **Bleach**
- **Temperature**
- **Free mode**

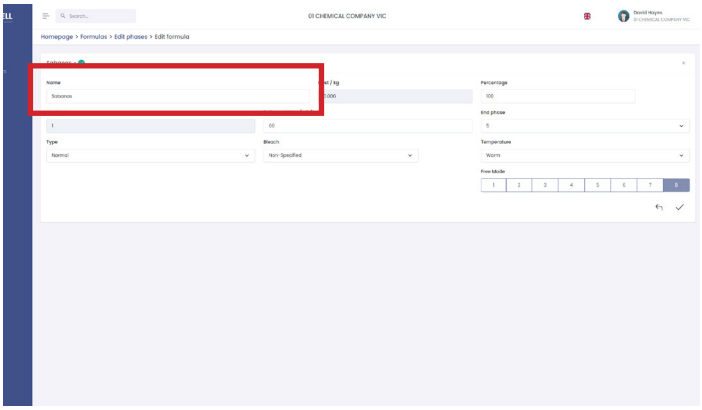
Once you are happy with the changes press the **Tick icon** to save.



EDITING OR CREATING A NEW FORMULA

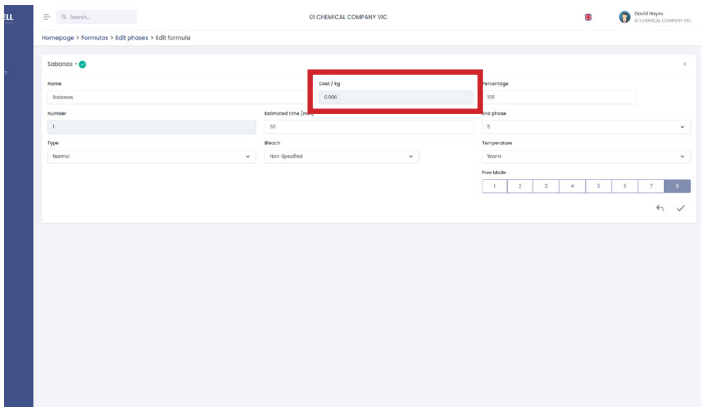
STEP 5

The next box allows you to set a custom **Formula Name**.



STEP 6

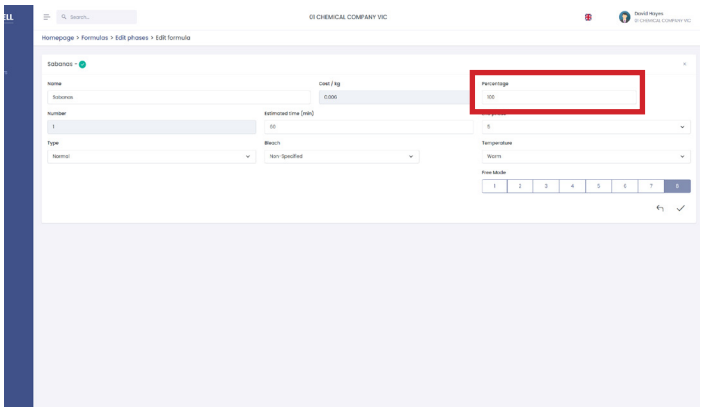
You are able to view the **Cost per KG** here.
(this setting is adjusted in the Product settings)



STEP 7

Next you can adjust the **Percentage** value for this formula.

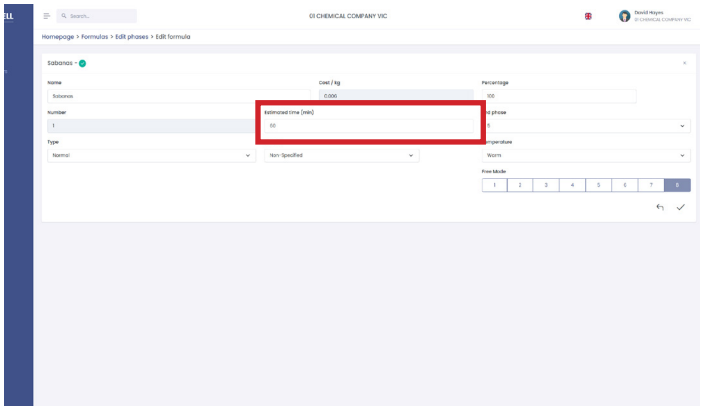
This can be adjusted to reduce the percentage of product delivered for this formula. It can be used if dosing to a different sized machine etc.



STEP 8

After this you can adjust the **Estimated Time (min)** value for this formula.

This data is informative. It will be useful to obtain more complete statistics

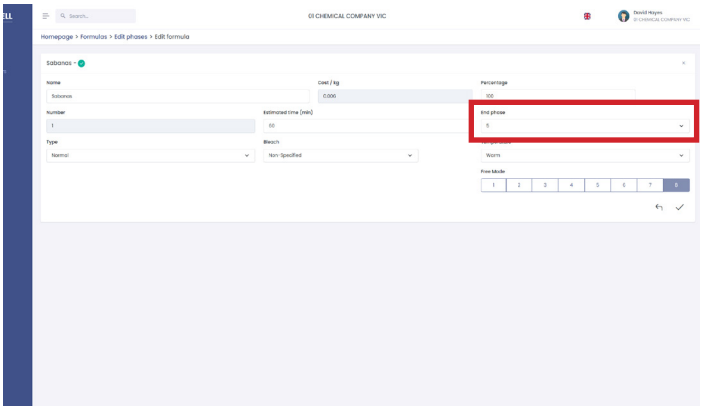


EDITING OR CREATING A NEW FORMULA

STEP 9

Using the drop down located here you are able to set the **End Phase** for this formula.

The End Phase denotes what the final phase the washing machine needs to enter to trigger a complete cycle for this Formula.

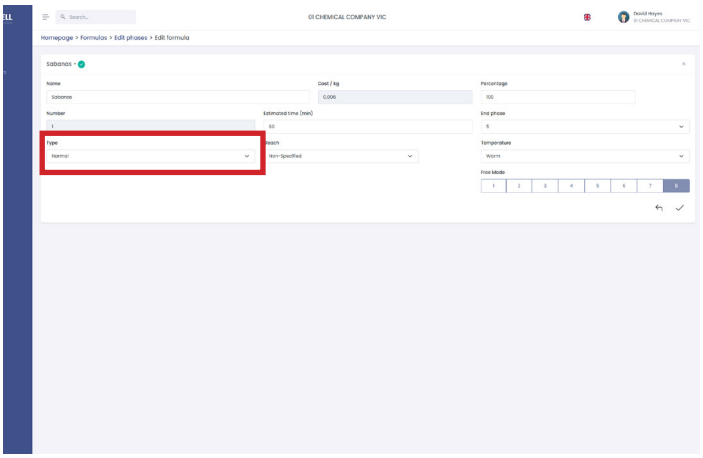


STEP 10

You can now select the type of formula you are creating;

- **Delicate**
- **Normal**
- **Heavy Soil**
- **Re-Process**
- **Desize**
- **Rinse/Spinning**
- **Recovery**
- **Other**

This data is informative. It will be useful to obtain more complete statistics.

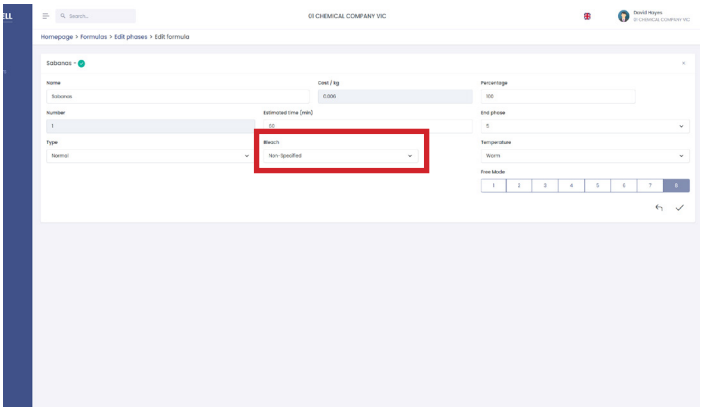


STEP 11

If you have bleach for this formula, you can use the drop down here to select;

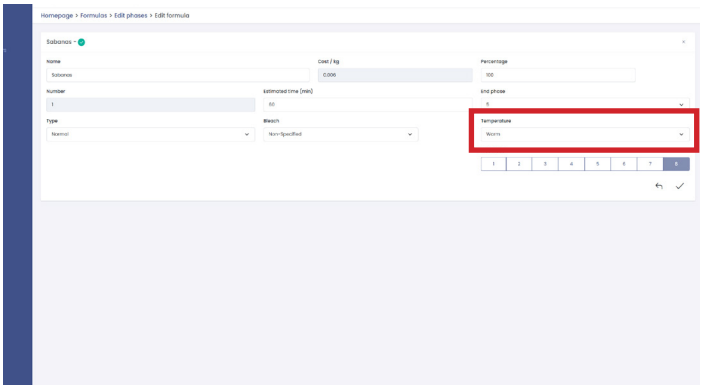
- **Non Specified**
- **No bleach**
- **Yes (No chlorine)**
- **Yes (With chlorine)**

This information is informative. It will be useful to get more detailed information about possible problems via the integrated "Help" function.



STEP 12

Here you can adjust the **Water Temperature** for this formula.

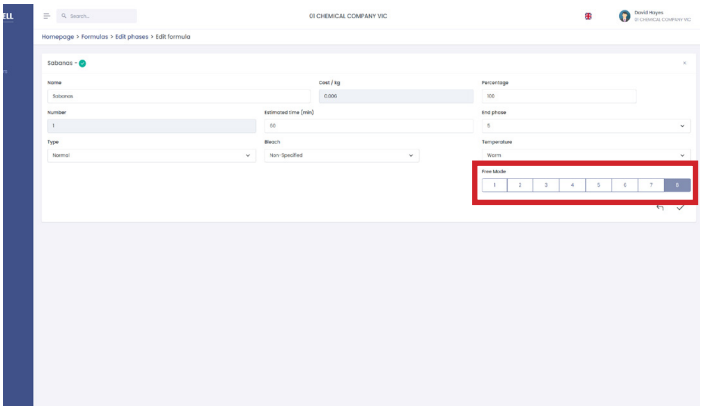


EDITING OR CREATING A NEW FORMULA

STEP 13

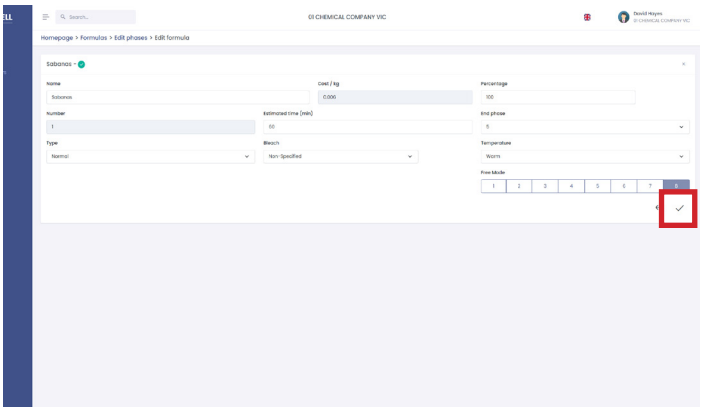
If you have bleach for this formula, you can use the drop down here to select;

- **Non Specified**
- **No bleach**
- **Yes (No chlorine)**
- **Yes (With chlorine)**



STEP 14

To save the changes press the **Tick icon** in the bottom right.

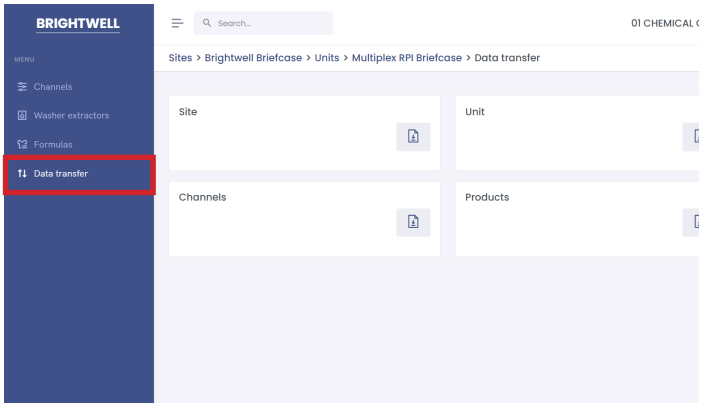


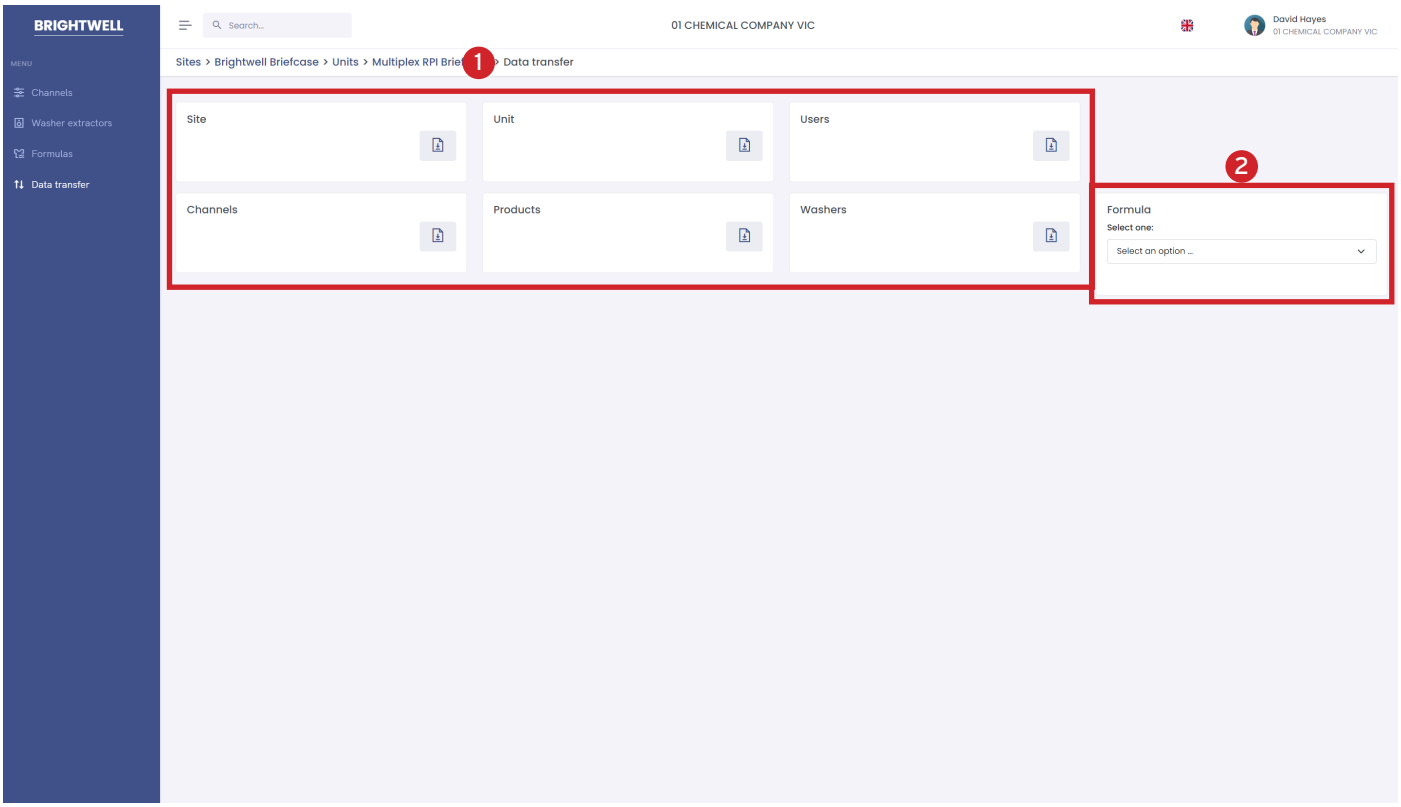
DATA TRANSFER OVERVIEW

Please note - To access the Data Transfer menu. Please refer to this previous section - Accessing Channels, Washer Extractors, Formulas and Data Transfer (P28)

STEP 1

To access the **Data Transfer overview** select the icon in the side navigation bar.





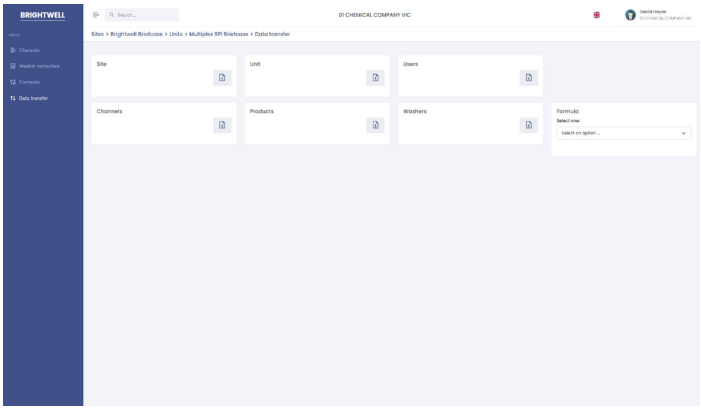
1. Allows you to download the individual settings from a unit to transfer. These include;
   - Site
   - Unit
   - Users
   - Channels
   - Products
   - Washers

2. Use the drop down menu to select a specific formula to transfer

DATA TRANSFER SAVING A JSON FILE

STEP 1

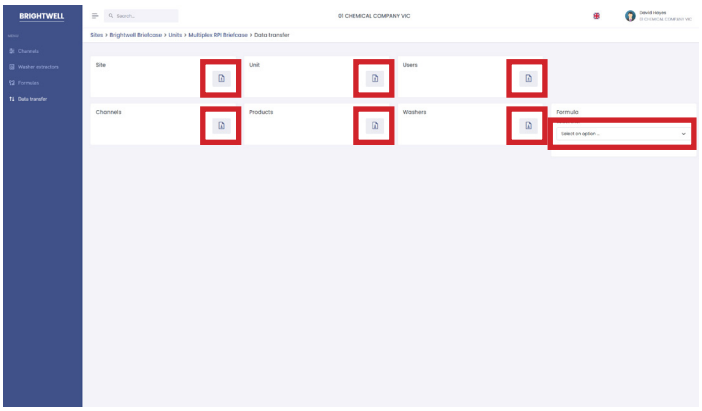
If you want to download JSON setup data for your Multiplex system and transfer it to an offline unit via the Web Server.



STEP 2

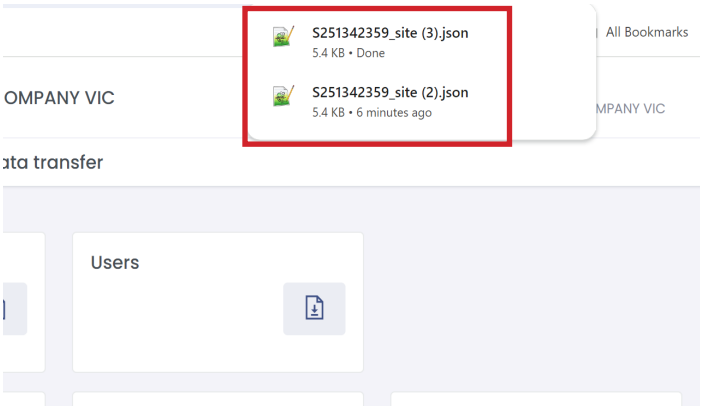
Using any of the **Download icons** seen on here, or the **drop down** for specific **Formula data** to download a file.

Please note - For the initial setup you will need to download ALL files. After this has been done, any changes to the Washers, Formulas or Channels can be downloaded and replaced individually. Please refer to the Configuration Tool user guide for information on how to upload to the unit.



STEP 3

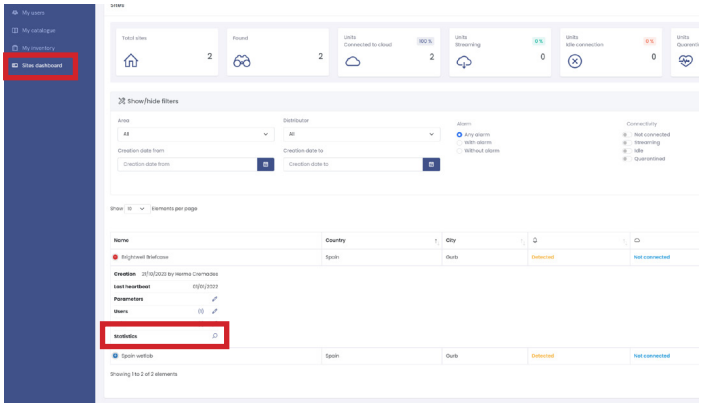
Once the JSON file has downloaded, it is ready to be used via the Configuration Tool.



STATISTICS

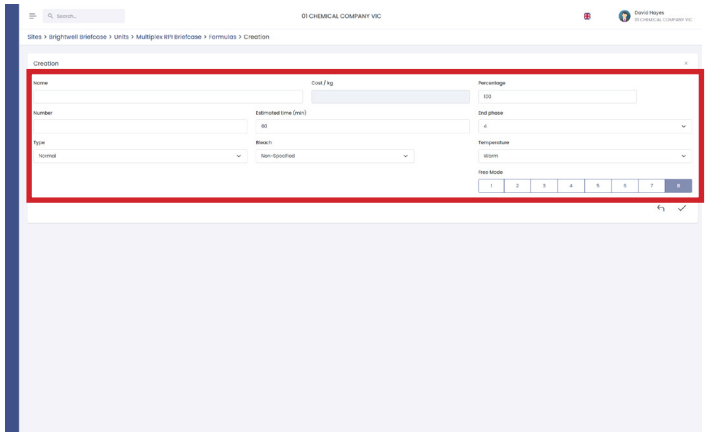
STEP 1

To access the **Statistics** you will need to be on the Sites Dashboard page. Click the + icon to expand the company and press on the Search icon that appears.



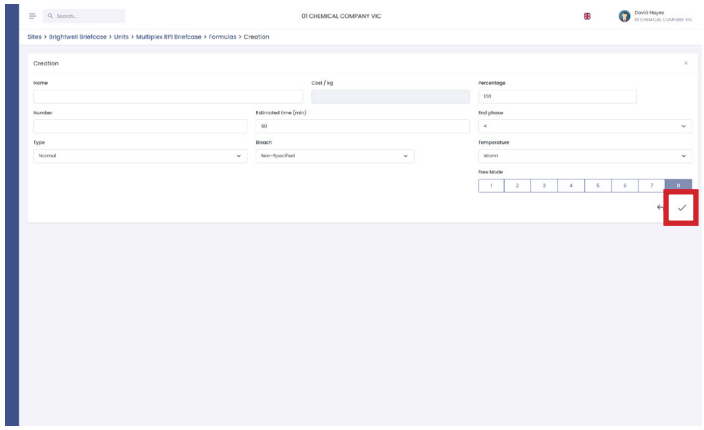
STEP 2

Use the options available here to set the parameters for your report including the machine and dates you want to run it between.



STEP 3

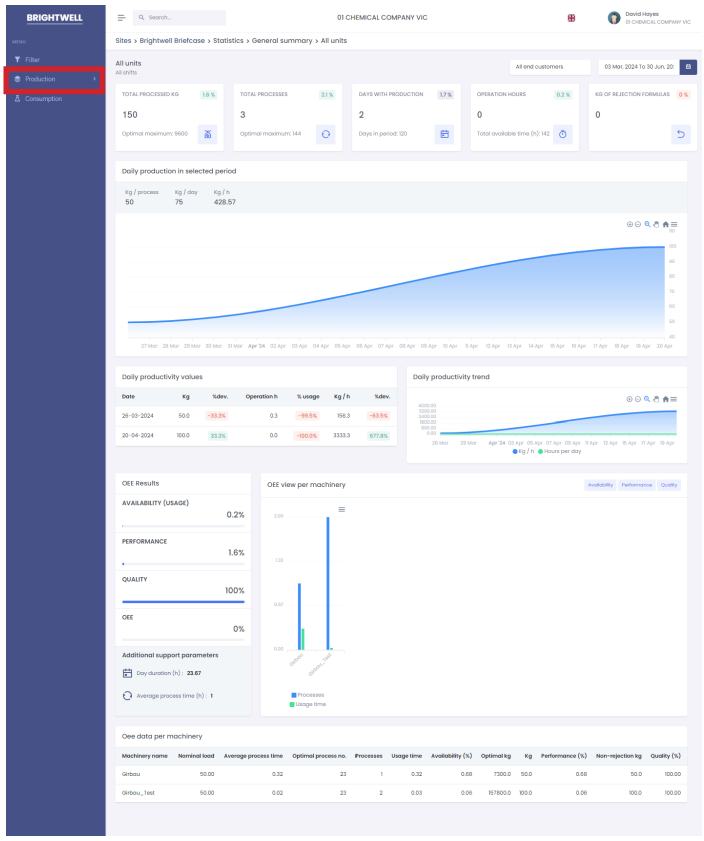
Use the **Tick icon** on the right hand side to start the report generation.

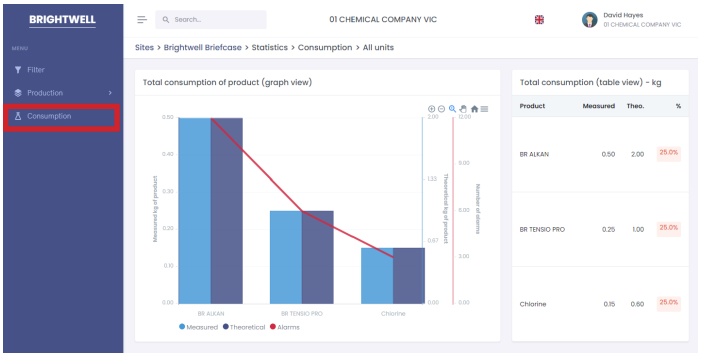


STATISTICS

STEP 4

Your statistics production stats will now display on the screen.



STEP 5

If you want to see the Consumption statistics for your unit press the **Consumption icon** in the side navigation bar.