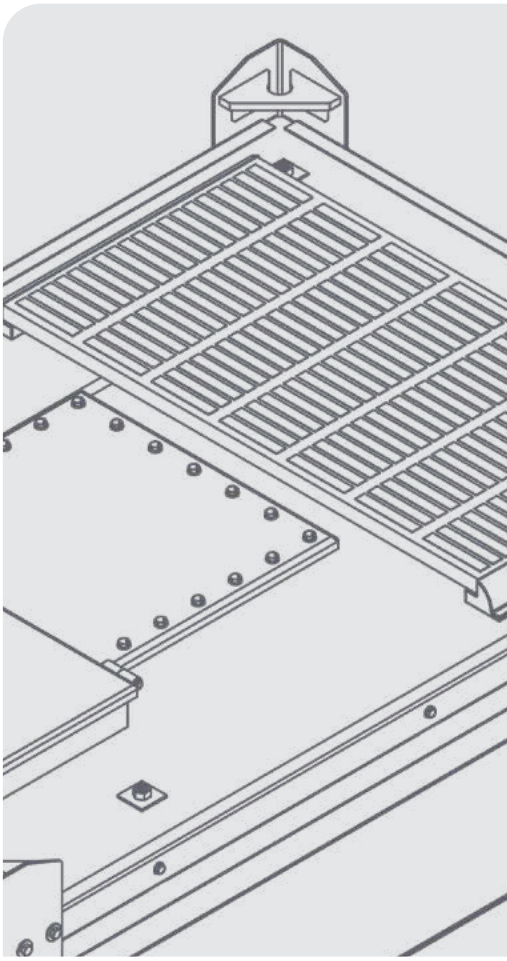
USER GUIDE

SMART FUEL TANK





DISCLAIMER

Do not attempt to handle or operate this equipment before you have received sufficient training. Before use, operatives must have carried out all checks featured on the Visual Inspection Sheet on page 19. It is imperative that you have read the General Safety Instructions on page 20 and sufficiently familiarised yourself with the Operational Procedures in this document.

Note that this item is compliant only to the standards specified in this User Guide and it is therefore the duty of the responsible person(s) to review and ensure compliance.

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INTRODUCTION

OVERVIEW

The Conquip Smart Fuel Tank is a stand-alone, transportable fuel storage unit for refuelling plant and vehicles on construction sites.

It features a fully-bunded, large capacity 3000-litre tank reducing replenishment frequency, ensuring it can accommodate all machinery and vehicles on-site. The electric pump connects to devices via bluetooth, allowing individual users to be set up on an app, restricting unauthorised access and allowing fuel usage to be monitored.

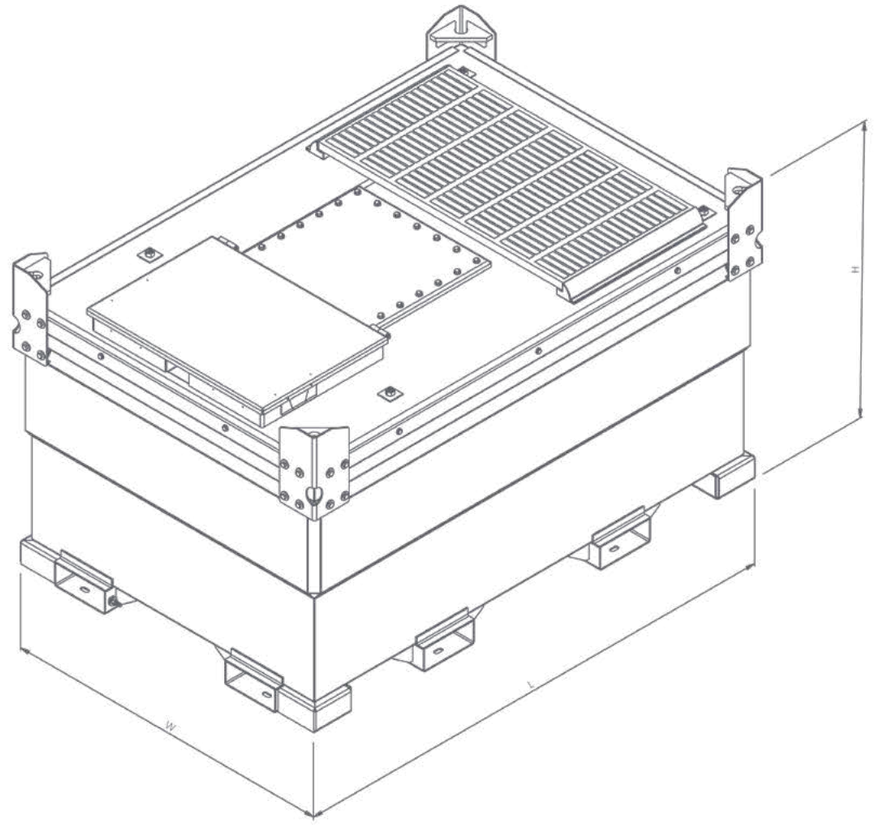
The pump is powered from the solar panel on the roof of the unit, meaning it can be positioned anywhere on-site. A battery charging kit is fitted within the unit to charge the battery from a generator or mains power, accommodating times when sunlight is limited.

KEY BENEFITS

- 110% double-walled, fully-bunded fuel tank eliminates drip tray requirement.
- Additional feed and return ports for maximum utilisation, all housed within the secure, lockable access hatch.
- 12V electric pump with app login prevents unauthorised use, reducing fuel theft.
- Fuel usage can be monitored by site and individual user via an online portal.
- 4-metre delivery hose provides necessary reach for all types of vehicle and plant.
- Solar-powered unit can be positioned anywhere on-site and is not reliant on mains supply, improving project sustainability.
- Crane lifting points and four-way fork pockets for ease of transportation around site, or on and off a delivery vehicle.
- Battery charging kit fitted within the unit for low solar periods. Kit features a smart charger with a 3-pin 13Amp household plug for charging via mains power.

PRODUCT INFORMATION

SPECIFICATION



CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	WEIGHT (kg)	CAPACITY (litres)
FB630-3000	2273	1523	1323	1130	3000

*Working Load Limit

OPERATIONAL PROCEDURES

IMPORTANT USAGE NOTES

- The Smart Fuel Tank is designed to store fuel, it should not be used to store other harmful chemicals or equipment and materials.
- It is the responsibility of the supervisor that no fuel is removed by unauthorised users.
- The Smart Fuel Tank cannot be transported full. Please refer to the ADR Regulations for further detail.

LIFTING WITH A FORKLIFT



01. To lift the Smart Fuel Tank with a forklift or telehandler, set the machine's forks to the correct width for the Smart Fuel Tank's fork pockets. Make sure that they are equidistant from the centre.
02. Drive the machine to the Smart Fuel Tank, aligning the forks with the fork pockets.
03. Move the machine forward until the forks are fully inserted into the fork pockets. The bowser is now ready to move.
04. Carefully raise the bowser just off the ground and check for balance and security.
05. Carefully transport the bowser to its required destination, taking care not to jolt the load.
06. When in position, the bowser can be lowered onto flat, firm, level ground.
07. Reverse the forklift or telehandler back and clear of the bowser.

LIFTING WITH A CRANE

01. Attach the lifting apparatus hook to the Smart Fuel Tank's lifting points, using a certified four-leg lifting chain.
02. Check that personnel are clear from the immediate area and the intended location to allow for the bowser swinging when lifting off the ground.

03. Raise the bowser just off the ground and check for balance and security.
04. Carefully transport the bowser to its required destination, taking care not to jolt the load.
05. When in position, the bowser can be lowered onto flat, firm, level ground.

GETTING SET UP ON THE APP

Before authorised personnel can use the electric fuel pump in the Smart Fuel Tank, the Piusi B.Smart app must have been installed on their device. These steps will explain how to set up the app.



01. Download the free Piusi B.Smart App from your device's App Store.
02. Make sure the device being used has Bluetooth turned on.
03. Users should have an PIN Code and a Site Code supplied to them by Head Office. If this is not the case, contact Head Office. Do not contact Conquip for pin codes or site codes.
04. Open the Piusi B.Smart app.
05. Enter your assigned PIN Code and the Site Code in the boxes provided. They must exactly match the original entries to the Piusi B.Smart Online Portal to work.
06. The site code is only required once to set the app up.
07. The app should now open completely and say 'Welcome [DRIVER NAME]'.
08. The App is ready to use.

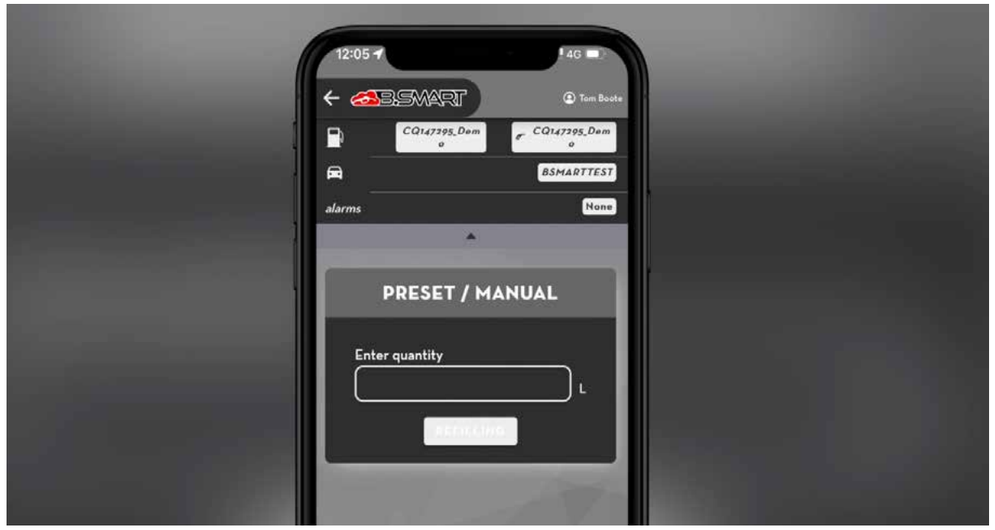
FILLING AND REFUELLING

To refuel a vehicle or machine, personnel must be authorised and have their PIN Code & Site Code readily available. Follow these steps to refuel.

01. Make sure Bluetooth is enabled on the user's device.
02. Open the Piusi B.Smart app.
03. Approach the pump and select the pump name from the list.
04. Once selected, start typing the vehicle registration number and if it has been registered on the online portal, it will show up in the list. Alternatively, the vehicle can be selected from the drop-down list.

05. Enter the vehicle's odometer reading, if prompted to do so. It cannot be less than the last figure entered.

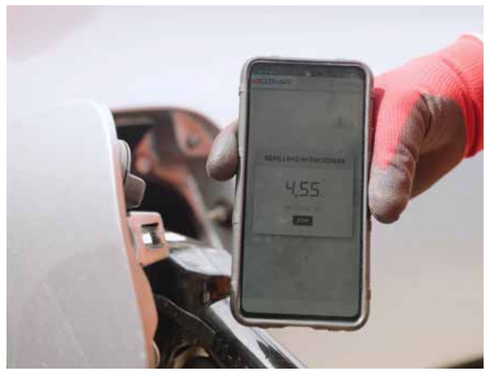
06. Either click the 'REFILLING' button to start dispensing fuel or enter a pre-set quantity.



07. Once refuelling has started, the display on the Piusi B.Smart app will count the litres of fuel being dispensed.

08. The Bluetooth connection from the device to the pump has a range of up to 15 metres, so the device can be left in the machine or vehicle while refuelling is in progress.

09. Once refuelling has been completed, a ticket will be displayed on the device and the data will be automatically sent to the online portal, subject to a WiFi or 3G, 4G, 5G connection. If the refuelling location is in an area where there is no WiFi or data coverage, the ticket is queued and then automatically uploaded to the portal once the device has a connection.





FUEL MANAGEMENT

One of the key advantages of using the Smart Fuel Tank is the ability to monitor fuel usage per user and vehicle or machine. This section will explain how to use the online portal, add or revoke users and generate usage reports.

LOGGING INTO THE PORTAL

01. To login to the portal, you will need your username, password, and site code. All of these details will be provided by Conquip upon purchase of your first unit.

02. Username: This will typically be your company name.

03. Password: Enter your password.

04. Site Code: Site code is the company account number and will begin with 'SI' prefix.



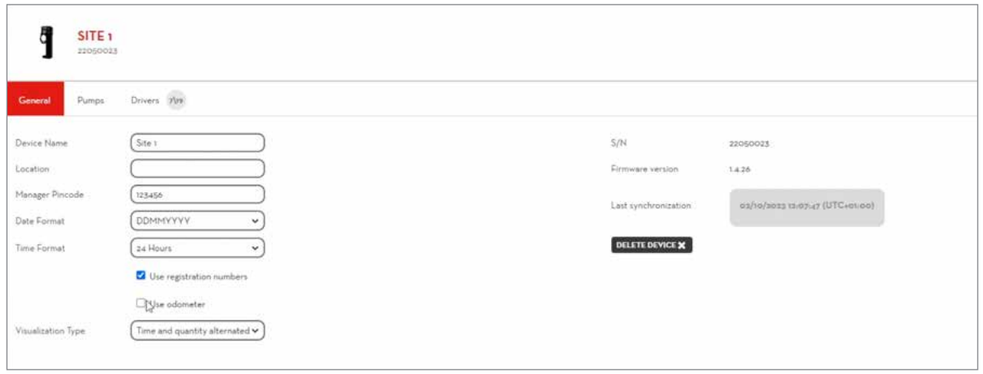
SETTING UP YOUR FUEL PUMPS

01. Upon purchase, Conquip will add your pump or pumps to your account. To view and amend the pump details, navigate to 'Site' on the side menu and select your pump.



02. Conquip has named your pump by the unique serial number on the Smart Fuel Tank's ID plate and your delivery paperwork. It will start with the prefix 'CQ'. For identifying the correct pump to authorise users on, we recommend amending the name of your pump in relation to the site location. This will also help identify the correct pump when you generate and view usage reports.

03. To amend the pump name, edit the ‘Device name’ field on the ‘General’ tab.



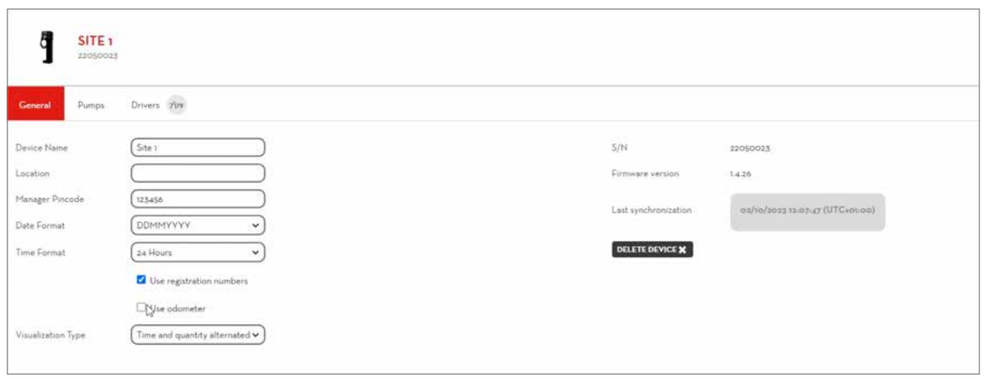
04. Our standard set up for each pump requires users to enter their vehicle registration number. Here you can uncheck this option, if required, and add hours or miles as a mandatory requirement for drivers by checking the ‘odometer’ option. Finally, hit ‘save’ to ensure your changes are completed.

05. If you have amended the pump name on the ‘General tab’, make sure you also amend the name on the ‘Pumps’ tab. Before you navigate away from either tab, don’t forget to hit ‘save’ to ensure your changes are completed.

06. If you relocate your Smart Fuel Tank to another site, we recommend renaming the pump in both the ‘General’ and ‘Pumps’ tabs for accurate reporting and usage monitoring.

07. When you purchase a Smart Fuel Tank, you will be provided with 10 user licences per unit. If you require more licences, these can be purchased from Conquip on request. If you have purchased multiple Smart Fuel Tanks, you can use any of the 10 user licences you receive per unit across any of the Smart Fuel Tanks.

08. If you have purchased additional licences, Conquip will provide you with a ‘ADD-ON’ code. To activate these new licences, navigate to ‘Settings’ on the side menu, click on the ‘ADD-ON’ tab, enter your ‘ADD-ON’ code into the field at the top of the screen and hit ‘Activate’.



USAGE REPORTING

01. Reporting is one the key tools for monitoring fuel distribution and making plant and vehicles’ fuel usage more efficient.

02. Reports can be generated in PDF or Excel spreadsheet formats.

03. To run a report, select the ‘Report’ tab from the side menu. Enter a preferred date range, add any filters, such as pumps, registration numbers, drivers (users), and hit ‘create report’. You can then either export as a PDF or an Excel spreadsheet.



04. If you export in the excel spreadsheet format, you will all have all the functionality of excel. This means if you have given a sub-contractor a user licence and have an agreement to charge them for the fuel they use, you will have the data necessary to create an invoice, making administration more efficient.

TROUBLESHOOTING

In the unlikely event that the Smart Fuel Tank is not performing to optimum levels, our Onsite Engineers are on-hand to support any site.

However, here are a few troubleshooting tips to try before booking an engineer visit...

LOW SOLAR POWER

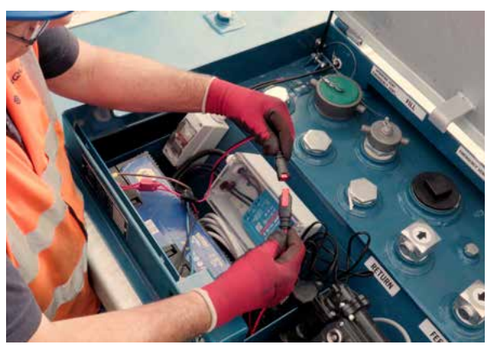
If the solar power is low, the pump and electrics may not perform to the required levels.

Here are a few tips to address this.

01. Review location – is the unit in the shade or under tree cover? The Smart Fuel Tank should ideally be positioned where it can be reached by direct sunlight. For best results Conquip recommend positioning the unit with the panels facing in a southerly direction.



02. Remove any dirt, leaves, snow, thick dust, or debris from the solar panel. The panel should be checked regularly as part of the daily visual inspection. Conquip recommends cleaning the solar panel at least every 3 months or sooner depending on weather conditions.
03. During the winter months or when there are less hours of sunlight, Conquip recommends regularly checking the battery voltage level on the VictronConnect app. If the battery voltage level is low, the battery charging kit is fitted with a 3-pin 13Amp household plug for recharging via mains power.
04. Conquip recommends either charging the unit overnight, or once a week for a full 8 hour working day, to prevent the battery going flat. If the battery is left to go flat, the charge time is 15 hours.
05. If the solar levels are still low, contact Conquip to book an engineer visit.



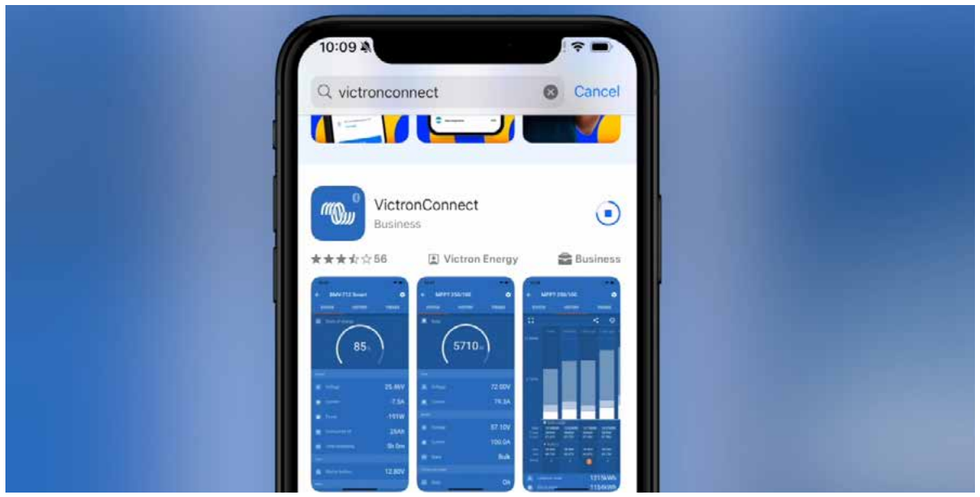


SOFTWARE UPDATES

Software updates for the batteries should be automated but occasionally they may need to be completed manually.

Conquip are happy to send one of our Onsite Engineers to carry this work out, but sites can complete any updates by following these steps:

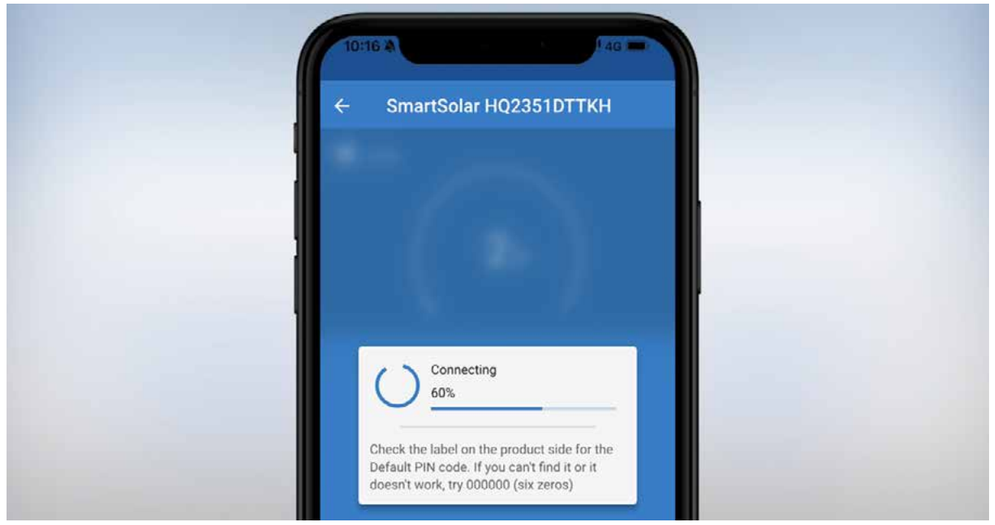
01. Firstly, to keep the tank operational and avoid any downtime, insert the charging cable supplied with the unit into the socket on the side of the battery and plug into either mains power or a generator.
02. To carry out the software update, head to the App Store on your device and download the VictronConnect app.



03. This app will allow you to access the VictronConnect Charge Controller. Please ensure Bluetooth is enabled on your mobile device.
04. Ensure you are near the Smart Fuel Tank and open the app.



05. Select the ‘SmartSolar’ device from the list in ‘My devices’. This will prompt you for a password/ default PIN code. The password/default PIN code is found on the side of the battery but if it does not work or you are unable to find it, try six zeros - ‘000000.’



06. Check for firmware updates. If an update is required a prompt will appear- ‘SmartSolar Charger update required.’



07. Click on ‘Update’ and remain close to the Smart Fuel Tank with the app active on your device until the update has completed. It usually requires 2 – 5 minutes to complete, depending on the data connection or internet speed.

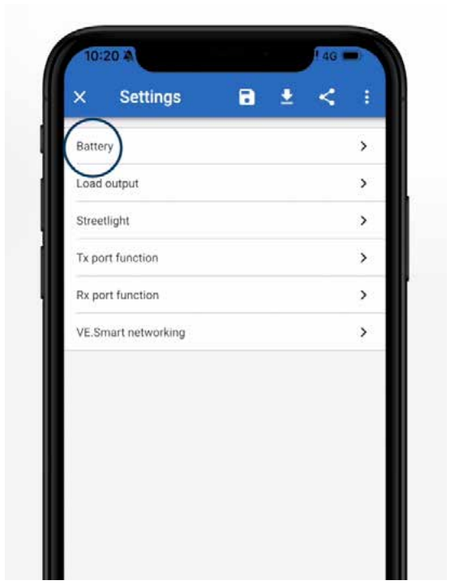
08. Once completed, it is advisable to check the battery voltage as this can sometimes change following an update.

09. Head to the ‘home screen’ on the app. Ensure you are on the ‘Status’ tab, then click on the cog icon in the top right of the screen.



10. In settings, click on ‘Battery’ from the menu options. Check that the battery is voltage is set to 12V.

11. If the voltage is different, amend to 12V and save your changes.

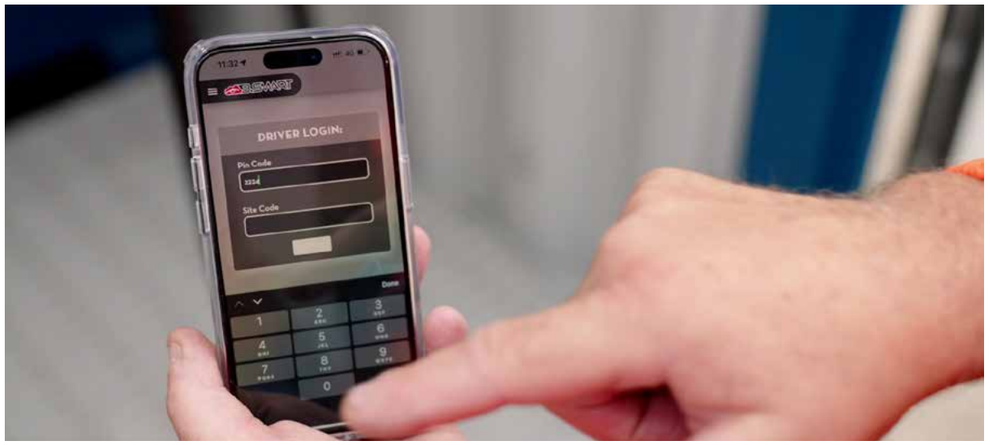


OPERATIONAL PROCEDURES

APP ISSUES

If the Piusi B Smart app is not performing properly, follow these steps:

01. Only one device can be connected to the pump at any one time. Check that the mobile device is connected to the pump.



02. Try closing the app and restarting it.

03. The app may need updating. Head to the app store on your device to check and update if required.



04. Uninstall and reinstall the app.If the app still isn't working, contact Piusi directly.

MAINTENANCE & INSPECTION

MAINTENANCE REGIME

- It is mandatory that the equipment is thoroughly examined regularly, by a qualified engineer, to ensure compliance with relevant regulations. Conquip recommend carrying out a thorough examination every six months.
- This equipment may incorporate various loose and detachable items including, but not limited to pins, bolt assemblies and adaption plates. Refer to the separate requirements for the safe use of those items.
- When not being used, store the unit in a clean, upright condition and in a safe place where it will be protected from thieves and unauthorised users.
- This equipment must be inspected by the responsible person before each use and then regularly, as determined by your risk assessment or working practice. If you have any concerns about the equipment's condition or suitability, do not use it.

VISUAL INSPECTION CHECKLIST

INSPECTION ITEMS	RESULTS		COMMENTS
	SATISFACTORY	UNSATISFACTORY	
Serial Number			CQ.....
Product Code			
Working Load Limit (kg)			
Conforms to user guide specification			
Check solar panel is clear of dirt or debris			
Check operation of ball valves			
Check operation of nozzle trigger			
Check the lift points for damage			
Check fuel hose for any leaks			
Ensure the pump hose seal is secure			
Ensure the fuel dispensing pump supply line is secure			
Carry out a general visual inspection of the body.			
SIGNATURE			
Name	Position	Qualification	Signature & Date

GENERAL SAFETY INSTRUCTIONS

The equipment should be properly operated and maintained to keep it in a safe, efficient operating condition. Be sure that all fixings and components are free of mud or other matter that might cause issues hazardous to the operator, serviceman, or other personnel or equipment. Report all malfunctions to those responsible for maintenance, and do not operate the equipment until corrected. Normal service or maintenance performed as required can prevent unexpected and unnecessary downtime.

This operations manual describes general inspections, servicing and operation with the normal safety precautions required for normal servicing and operating conditions. It is not a guide, however, for abnormal conditions or situations, and therefore, servicemen and operators must be safety conscious and alert to recognise potential servicing or operating safety hazards at all times, and take necessary precautions to assure safe servicing and operation of the machine.



M002
Refer to instructions manual



M004
Wear eye protection



M008
Wear safety footwear



M009
Wear protective gloves



M010
Wear protective clothing



M014
Wear head protection



M015
Wear high-visibility clothing

GENERAL NOTES

- Read this operations manual and learn the operating characteristics and limitations of the equipment. Know what operating clearances the machine requires.
- Read and understand all the safety signs prior to operation.
- If the safety signs are obstructed by dirt or debris, clean them using mild soap and water prior to operation.
- If the safety signs are damaged or illegible, replace them immediately, prior to operation.
- Be aware of operating hazards that weather changes can create on the job. Know proper procedures to follow when a severe rain or electrical storm strikes.
- Never attempt to operate or work on machinery when not feeling physically fit.
- Never wear loose clothing, rings, watches, heavy gloves etc., that might catch and result in injury.
- Know what safety equipment is required and use it. Such equipment may be: hard hat, safety glasses, reflector type vests, protective gloves and safety footwear.

TERMS & CONDITIONS

CONQUIP ENGINEERING GROUP STANDARD PRODUCT WARRANTY

01. COMMENCEMENT

1.1 This Warranty shall commence on the Commencement Date and shall continue until the earlier of:

(a) the Expiry Date; or

(b) the date on which it may be voided in accordance with clause 4.1(b)

when it shall terminate automatically without notice.

02. DUTY OF GOOD FAITH

2.1 The Purchaser shall in the exercise of its rights under this Warranty and in the compliance with its obligations under this Warranty be subject to and shall in all respects owe and comply with a duty of good faith to the Warrantor.

03. NATURE AND EXTENT OF COVER

3.1 Subject to clause 3.2 the Warrantor agrees and undertakes to the Purchaser that it shall be liable to the Purchaser under and in accordance with the terms of this Warranty in the event that:

(a) prior to the Expiry Date the Purchaser shall notify a Warranty Claim to the Warrantor; and

(b) the Equipment or any relevant part of the Equipment shall have become unusable as the result of defective material or defective workmanship prior to the Expiry Date.

3.2 The Warrantor's obligation under clause 3.1 shall be expressly subject to the provisions of clauses 4, 5 and 6 and conditional upon the Purchaser's compliance in full with the provisions of clause 7.

04. RESTRICTIONS

4.1 The following restrictions apply to this Warranty:

(a) This Warranty is personal to the Purchaser and neither the legal benefit nor legal burden of this warranty may be assigned or novated or otherwise transferred by the Purchaser to any other party. Any purported assignment, novation or transfer shall not be binding upon the Warrantor.

(b) This Warranty shall be void in the event that the Purchaser:

(i) cannot provide authentic and original documentary evidence that the Purchaser has during the period between the Commencement Date and the Expiry Date complied with the Maintenance and Servicing Requirements; and/or

(ii) has, during the period between the Commencement Date and the Expiry Date, exceeded the Purchaser's Usage Cycle Parameters; and/or

(iii) has, during the period between the Commencement Date and the Expiry Date, exceeded the Purchaser's Use Parameters; and/or

(iv) has carried out, or procured the carrying out by any third party of, any repair to the Equipment or any part of the Equipment which is not an Authorised Repair; and/or

(v) has operated the Equipment after having replaced any part of the Equipment with a part which has not been supplied and fitted by the Warrantor; and/or

(vi) has modified the Equipment in any way prior to use.

05. EXCLUSIONS

5.1 The following are excluded from the scope of this Warranty:

(a) Loss of and/ or damage to the Equipment or any part of it resulting from any collision between the Equipment and any other fixed or stationary or mobile object whatsoever, irrespective of whether that collision was or was not caused by the Purchaser; and/or

(b) Loss of and/or damage to any personal property and/or possessions or other equipment not forming part of the Equipment but which is present in or about the Equipment; and/or

(c) loss and/or damage which is covered by any other insurance policy taken out and maintained by the Purchaser or in respect of which the Purchaser has a contractual obligation to do so; and/or

(d) loss and/or damage to the equipment which is consistent with the use by the Purchaser of the Equipment:

(i) in compliance with the Maintenance and Servicing Requirements; and

(ii) in compliance with the Usage Cycle Parameters; and

(iii) in compliance with the Use Parameters; and

(iv) having only carried out Authorised Repairs to the Equipment; and

(v) having all and any replacement parts fitted by the Warrantor; and

(vi) in unmodified form.

06. LIMITATION OF LIABILITY

6.1 The Warrantor's liability to the Purchaser shall be limited as follows:

(a) The Warrantor shall not in any circumstances be liable to the Purchaser for indirect and/or consequential and/or economic loss suffered and/or incurred as the case may be by the Purchaser; and

(b) The Warrantor shall only be liable to the Purchaser for the reasonable and proper costs reasonably and properly incurred by the Purchaser directly in connection with the repair and/or replacement (at the Warrantor's absolute discretion) of the Equipment or any part of the Equipment; and

(c) The Warrantor's liability to the Purchaser shall notwithstanding any other provision of this Warranty, not in any circumstances exceed the Purchase Price of the Equipment.

07. WARRANTY CLAIMS

7.1 The Purchaser shall in respect of any claim against the Warrantor under this Warranty and within 24 hours of the occurrence of the subject matter of the Warranty Claim:

(a) Complete in full and submit to the Warrantor a Warranty Claim in the form annexed to Schedule 4;

(b) Provide date stamped or date identifiable photographs evidencing the claim; and

(c) Make the Equipment or the relevant part of the Equipment available to the Warrantor for inspection within 48 hours of notification of the relevant Warranty Claim.

08. ENTIRE AGREEMENT

8.1 This Warranty constitutes the entire agreement between the parties and supersedes and extinguishes all previous promises, assurances, warranties, representations and understandings between them, whether written or oral, relating to its subject matter.

8.2 Each party agrees that it shall have no remedies in respect of any statement, representation, assurance or warranty (whether made innocently or negligently) that is not set out in this Warranty. Each party agrees that it shall have no claim for innocent or negligent misrepresentation or negligent misstatement based on any statement in this Warranty.

No variation of this Warranty shall be effective unless it is in writing and signed by the parties (or their authorised representatives).

09. WAIVER

No failure or delay by a party to exercise any right or remedy provided under this Warranty or by law shall constitute a waiver of that or any other right or remedy, nor shall it prevent or restrict the further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy shall prevent or restrict the further exercise of that or any other right or remedy.

10. SEVERANCE

10.1 If any provision or part-provision of this Warranty is or becomes invalid, illegal or unenforceable, it shall be deemed deleted, but that shall not affect the validity and enforceability of the rest of this Warranty.

10.2 If any provision or part-provision of this Warranty is deemed deleted under clause 10.1 the parties shall negotiate in good faith to agree a replacement provision that, to the greatest extent possible, achieves the intended commercial result of the original provision.

11. THIRD PARTY RIGHTS

11.1 This Warranty does not give rise to any rights under the Contracts (Rights of Third Parties) Act 1999 to enforce any term of this Warranty.

12. GOVERNING LAW

12.1 This Warranty and any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with it or its subject matter or formation shall be governed by and construed in accordance with the law of England and Wales.

13. JURISDICTION

13.1 Each party irrevocably agrees that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with this Warranty or its subject matter or formation.

DESIGN CONFORMITY (EC & UK)

(01) This certificate meets the requirements of the Machinery Directive 2023/42/EC of the European Parliament and Council.

(02) This certificate meets the requirements of the Supply of Machinery (Safety) Regulations 2008.

DETAILS

NAME & ADDRESS OF MANUFACTURER:
Conquip Engineering Group Ltd, Unit 4, Waterbrook Estate, Alton, Hampshire. GU34 2UD

NAME & ADDRESS OF PERSON TO COMPILE TECHNICAL FILE:
Name: Daniel Critchley Address: Conquip Engineering Group, Unit 4, Waterbrook Estate, Alton, Hampshire. GU34 2UD

NAME & ADDRESS OF AUTHORISED REPRESENTATIVE IF ONE HAS BEEN MANDATED BY THE MANUFACTURER:
N/A

NAME, ADDRESS, AND IDENTIFICATION NUMBER OF THE NOTIFIED BODY (01) OR APPROVED BODY (02), WHERE APPLICABLE:
N/A

EQUIPMENT DESCRIPTION

PRODUCT CODES	GENERAL DESCRIPTION / DESIGNATION	WORKING LOAD LIMIT
FB630-3000	Smart Fuel Tank 3000 litres	Self Weight

support@cqegroup.com | +44 (0) 333 300 3470 | www.cqegroup.com

HARMONISED STANDARDS & REGULATIONS

ITEM	CODE	DESCRIPTION
EC DIRECTIVE/ REGULATION	2023/42/EC	Directive 2023/42/EC- new machinery directive
HARMONISED STANDARDS	BS EN ISO 12100:2010	Safety of machinery General principles for design Risk assessment and risk reduction
	BS EN 1993-1-1: 2005	Eurocode 3. Design of steel structures General rules and rules for buildings
OTHER REGULATIONS	LOLER 1998	Lifting Operations and Lifting Equipment Regulations 1998 (LOLER)
	PUWER 1998	Provision and Use of Work Equipment Regulations 1998 (PUWER)

DECLARATION

PLACE OF DECLARATION:
Alton

DATE OF DECLARATION:
August 2026

I declare that the above equipment meets the Essential Health and Safety requirements of the

(01) Machinery Directive 2023/42/EC of the European Parliament and Council.

(02) Supply of Machinery (Safety) Regulations 2008 and Section 6 of the Health and Safety at Work Etc. Act 1974.

NAME:	POSITION:	SIGNATURE:
Daniel Critchley	Chief Executive Officer	

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TALKING TO US IS EASY

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