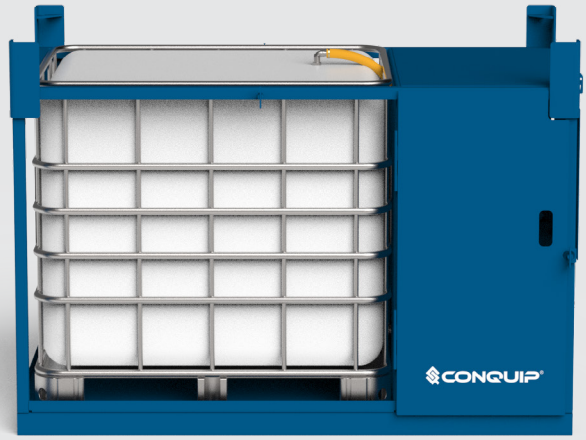
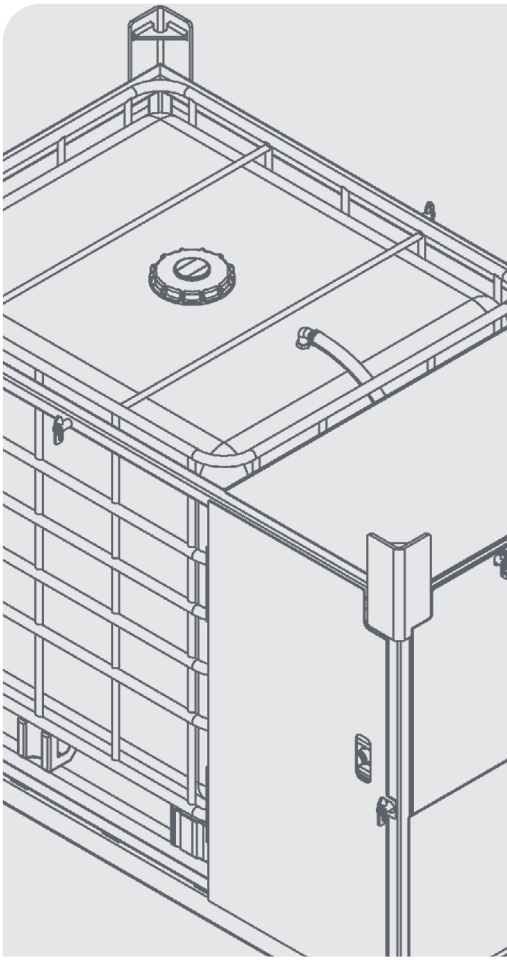
USER GUIDE

DUST CONTROL UNIT





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 11. It is imperative that you have read the General Safety Instructions on page 12 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 Dust Control Unit is a versatile, stand-alone solution that can be used as a water dispenser and for dust suppression.

A high-pressure performance pump is connected to a 1000-litre intermediate bulk container (IBC), providing water into a hose reel for a directional flow, or a sprinkler system for a spray flow, ideal for dust suppression. The pump is powered by a petrol motor, so the unit is not reliant on mains power or a generator to function, allowing it to be used anywhere on-site.

A robust frame featuring lifting points and fork pockets protects the IBC and hose reel from damage and allows the unit to be safely manoeuvred around site using a crane or a telehandler.

KEY BENEFITS

- Versatile solution that can be used for dust suppression or as a water dispenser.
- Stand-alone unit, not dependent on mains power or generators.
- Robust framework to withstand the rigours of site use.
- High pressure performance pump with maximum delivery pressure of 3.7 bar.
- Metal brackets allow the units to be stacked three-high when not in use.
- Fork pockets and crane lifting points for easy manoeuvre around site.

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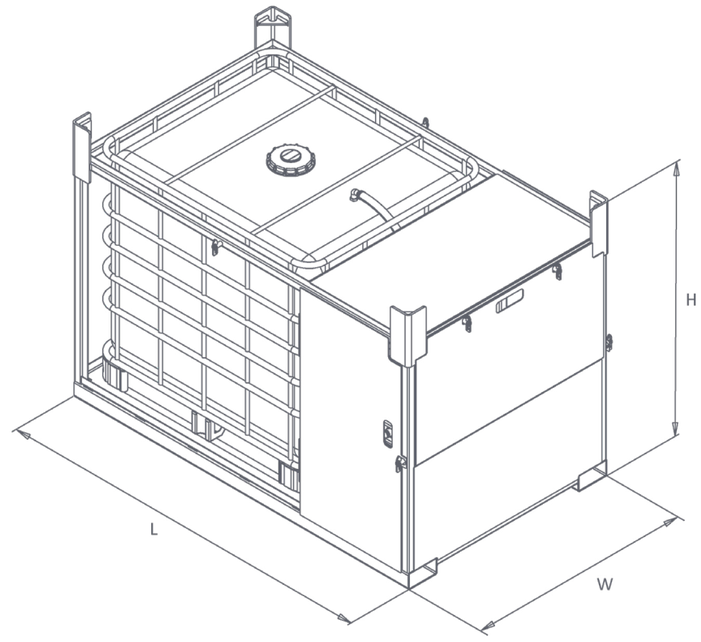
SPECIFICATION

ITEM	PRODUCT CODE
Dust Control Unit	FB629-1000



LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	WEIGHT (kg)	WLL* (kg)	CAPACITY (litres)
1866	1116	1320	365	1250	1000

*Working Load Limit

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OPERATIONAL PROCEDURES

IMPORTANT USAGE NOTES

- The Dust Control Unit can be lifted when the IBC is full.
- Metal brackets allow the units to be stacked three-high when not in use.
- The unit can be forklifted from both ends. However, when used for dust suppression, the forks must be inserted into the fork pockets positioned under the IBC.
- For optimum performance, Conquip advise using either the hose or the mister, not both simultaneously.

LIFTING WITH A FORKLIFT

01. Use the fork pockets at either end of the unit to manoeuvre around site.
02. If using the dust suppression, the forks must be inserted into the fork pockets positioned under the IBC.
03. Drive the forklift or telehandler to the unit and position the forks so they are in line with the fork pockets.
04. Carefully drive the machine forward to insert the fork tines fully into the fork pockets.
05. Raise the unit just off the ground to check for balance and stability.
06. Drive the forklift or telehandler to the desired location.
07. Lower the unit to the ground and reverse the machine to remove the fork tines from the fork pockets.
08. If using the unit for dust suppression, tilt the forks back towards the machine to keep the unit secure. Extra precautions should be taken as per the site-specific risk assessment.

LIFTING WITH A CRANE

01. Attach a suitably rated four-leg chain to the designated corner lifting points.
02. Raise the unit just off the ground to check for balance and security.
03. Lift the unit to the desired location on-site.
04. Carefully lower the unit to the ground.
05. Remove the four-leg lifting chain.

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PREPARING THE UNIT

01. Fill the IBC with water.
02. Open the front hatch to expose the water sprinkler and hose reel.
03. Open the left panel and check the valves are in the ‘Off’ position.
04. Open the right panel and turn on the water outlet tap to allow the water to flow to the pump.
05. Fill the petrol tank of the pump unit with petrol.
06. Check the engine oil level.
07. Turn the red ‘on/off’ switch to ‘on.’
08. Move the choke lever to the ‘closed’ position for starting a cold engine or leave in the ‘open’ position for restarting a warm engine.
09. Pull the recoil starter grip to start the engine.
10. Once running, if the engine has been started from cold, move the choke lever to the ‘open’ position.
11. Leave the pump running for a few minutes to allow the engine to warm up.

USAGE INSTRUCTIONS

With the engine up and running, the pump is now operational and water can be dispensed. Conquip recommend using either the hose or the sprinkler, rather than using both simultaneously, to maintain a sufficient level of water flow.

USING THE HOSE

01. Check the nozzle on the end of the hose is in the ‘closed’ position.
02. Open the left-hand ball valve tap. This will feed the water from the IBC through the pump and into the hose.
03. To provide greater flow, adjust the throttle of the pump accordingly.
04. Water will flow through the hose even when it is coiled, so take the length of hose you require by pulling the end of the hose to unwind the reel.
05. Direct the nozzle and twist the end to the ‘open’ position, allowing the water to flow out of the end.
06. There are various degrees of flow pattern from spray to direct chute. Adjust the nozzle accordingly.
07. After use, wind the hose back onto the reel using the handle for ease and close the ball valve to turn off the water supply to the hose.

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USING THE SPRINKLER DEVICE

01. Open the right-hand ball valve closest to the yellow sprinkler head. Ensure that no operatives are stood in front of the nozzle while turning the ball valve on or when in use.
02. Water will flow through the hose and out of the sprinkler head in a wide spray pattern to cover a large area.
03. To widen the water spray pattern further and provide greater surface area coverage, adjust the throttle of the pump accordingly.
04. To stop the sprinkler device, close the ball valve.

AFTER USE

01. Close the ball valves.
02. Return the throttle lever back to idle speed.
03. Turn the red ‘on/off’ switch to ‘off.’
04. In wintry conditions to prevent freezing, remove the pump drain plug to empty the water from the pump and the IBC.
05. Turn both ball valves on and open the nozzle on the hose reel to empty the Dust Control Unit of all water.
06. Once the water has drained, replace the pump drain plug.

TROUBLESHOOTING

If you are experiencing issues with your Dust Control Unit, return the throttle lever back to idle speed and try the options in the table below.

ENGINE WILL NOT START	POSSIBLE CAUSE	SOLUTION
01. Check control positions	Choke open.	Move choke lever to CLOSED position unless engine is warm.
	Incorrect throttle position.	If engine is warm, move throttle lever to start position.
	Ignition switch OFF.	Turn ignition switch ON.
02. Check fuel	Out of fuel.	Refuel.
	Bad fuel: pump stored without treating or draining petrol, or refuelled with contaminated petrol.	Drain petrol tank and carburettor. Then refuel with fresh petrol.
03. Remove and inspect spark plug	Spark plug faulty, fouled, or improperly gapped.	Contact Conquip to book an engineer visit.
LOW ENGINE POWER	**POSSIBLE CAUSE**	**SOLUTION**
01. Check air filter	Air filter element clogged.	Clean or replace filter element.
02. Check fuel	Bad fuel: pump stored without treating or draining petrol, or refuelled with contaminated petrol.	Drain petrol tank and carburettor. Then refuel with fresh petrol.
NO PUMP OUTPUT	**POSSIBLE CAUSE**	**SOLUTION**
01. Check pump chamber	Pump not primed.	Prime pump.
02. Check suction hose	Hose collapsed or punctured.	Replace suction hose.
	Strainer not completely underwater.	Sink the strainer and the end of the suction hose.
	Air leak at connector.	Contact Conquip to book an engineer visit.
	Strainer clogged.	Clean debris from strainer.
03.Measure suction and discharge head	Excessive head.	Relocate pump and/or hoses to reduce head.
04. Check engine	Engine lacks power.	See ‘Low engine power’ section above.
LOW PUMP OUTPUT	**POSSIBLE CAUSE**	**SOLUTION**
01. Check throttle lever	Lever not in HIGH position.	Move lever to HIGH position.
02. Check suction hose	Hose collapsed or damaged.	Replace suction hose.
	Air leak at connector.	Contact Conquip to book an engineer visit.
	Strainer clogged.	Clean debris from strainer.
03. Check discharge hose	Hose damaged or incorrect size.	Replace discharge hose.
04. Check engine	Engine lacks power.	See ‘Low engine power’ section above.

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 machinery'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 engine oil level			
Check fuel level			
Check lifting points for wear			
Check IBC for water leaks			
Check hose condition for splits or leaks			
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 machinery. 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.

EC DECLARATION OF CONFORMITY

IN ACCORDANCE WITH EN ISO 17050-1:2004

Declaration: As defined by the Machinery Directive 2006/42/EC and subsequent amendments

We, CONQUIP ENGINEERING GROUP, herewith declare that the following indicated equipment meets the fundamental health and safety requirements concerning the EU guideline(s), due to their design and manufacture.

This declaration will be rendered null and void if the machine is changed without our approval.

SIGNED:  **DATED: 2025**

Garry Critchley, Chief Executive Officer

PRODUCT CODES	GENERAL DESCRIPTION / DESIGNATION	WORKING LOAD LIMIT
FB629-1000	Dust Control Unit	1250kg

ITEM	CODE	DESCRIPTION
EC DIRECTIVE/ REGULATION	2006/42/EC	Directive 2006/42/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)

TALKING TO US IS EASY

WE'RE HERE TO HELP

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