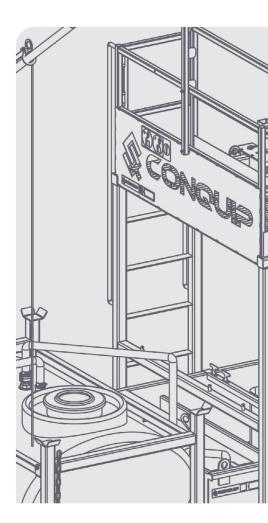


USER GUIDE

# CONCRETE WASHOUT SYSTEM





## **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 Sheets on pages 25 to 27. It is imperative that you have read the General Safety Instructions on page 28 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 Concrete Washout System is a complete, best practice solution for concrete washout. It is a unique, compact, simple system, which enables sites to reuse the water from cleaning concrete skips, pumps and trucks.

The system is made up of 3 components; a filtration tray, a skip washing platform and a water storage tank. The platform features resting pads for landing smaller skip sizes, making it compatible with any 500 to 3000-litre Conquip Concrete Column Skip. Various filtration bag arrangements in the tray accommodate cleaning other concrete equipment, including pumps and truck chutes.

During washout, filtration bags capture the large concrete aggregate and as the wastewater passes over the weir system in the tray, the smaller particles and sediment are filtered out before the filtered water passes back into the storage tank, ready to be used again.

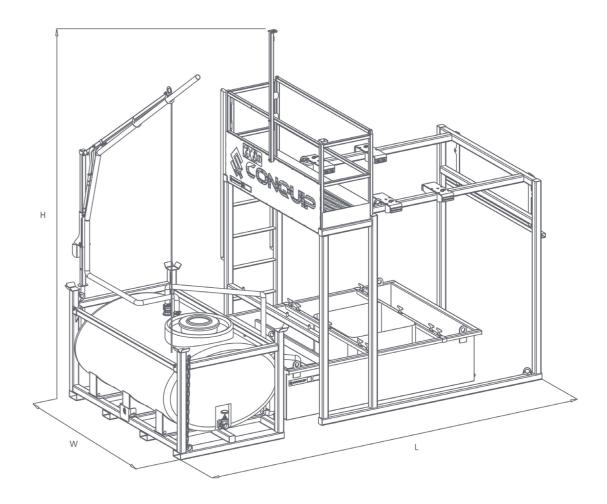
The Concrete Washout System is an innovative approach to reusing concrete wastewater that is safe, easy to use and improves a site's environmental footprint.

#### KEY BENEFITS

- Complete environmentally-friendly methodology for concrete washout and reusing concrete wastewater.
- Versatile solution suitable for washing concrete skips, pumps and trucks.
- Compact, space saving system.
- Large Skip Washing Platform compatible with the 500-3000-litre Conquip Concrete Column Skips.
- Small Skip Washing Platform compatible with 500-2000-litre Conquip Concrete Column Skips.
- Harness attachment point to keep operative on the work platform safe.
- Weir system filters out conncrete particles and sediment before it is transferred back into the storage tank.

### **SPECIFICATION**

THE SYSTEM

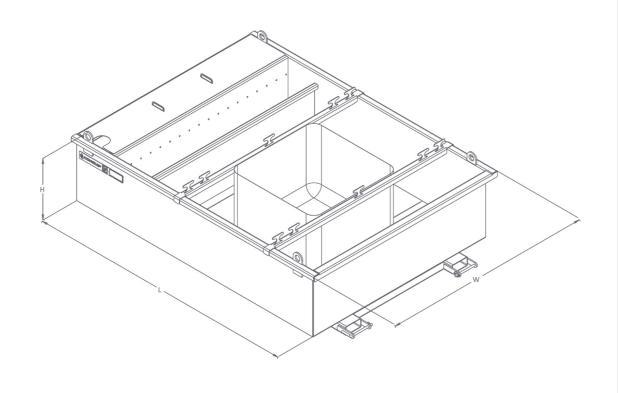


| CODE  | LENGTH<br>(mm) | WIDTH<br>(mm) | HEIGHT (mm) | WEIGHT (kg) |
|-------|----------------|---------------|-------------|-------------|
| CS243 | 4600           | 2693          | 4395        | 1725        |

## **SPECIFICATION**

#### FILTRATION TRAY

| ITEM            | PRODUCT CODE  |
|-----------------|---------------|
| Filtration Tray | CS236AB-02100 |



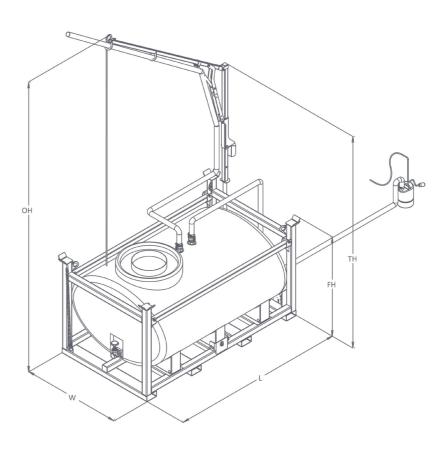
| LENGTH<br>(mm) | WIDTH<br>(mm) | HEIGHT<br>(mm) | WEIGHT (kg) | WLL* (kg) | CAPACITY<br>(litres) |
|----------------|---------------|----------------|-------------|-----------|----------------------|
| 2613           | 1900          | 764            | 565         | 1000      | 2100                 |

\*Working Load Limit

## **SPECIFICATION**

#### WATER STORAGE TANK

| ITEM               | PRODUCT CODE |
|--------------------|--------------|
| Water Storage Tank | FB306-02000  |



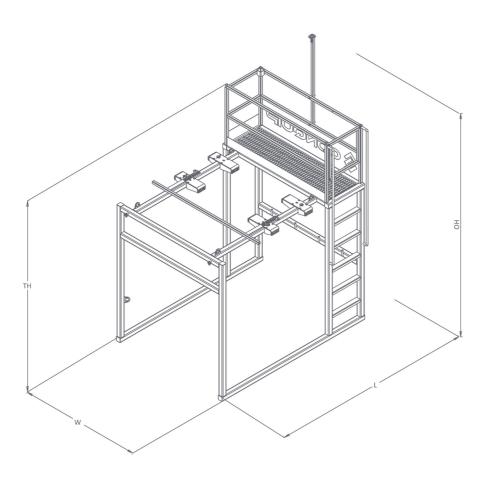
| LENGTH<br>(mm) | WIDTH<br>(mm) | OVERALL<br>HEIGHT<br>(mm) | FRAME<br>HEIGHT<br>(mm) | WEIGHT<br>(kg) | <b>WLL*</b><br>(kg) |
|----------------|---------------|---------------------------|-------------------------|----------------|---------------------|
| 2593           | 1500          | 2900                      | 1333                    | 570            | 2000                |

\*Working Load Limit

## **SPECIFICATION**

#### SKIP WASHING PLATFORM

| ITEM                        | PRODUCT CODE |
|-----------------------------|--------------|
| Large Skip Washing Platform | CS241        |
| Small Skip Washing Platform | CS231        |

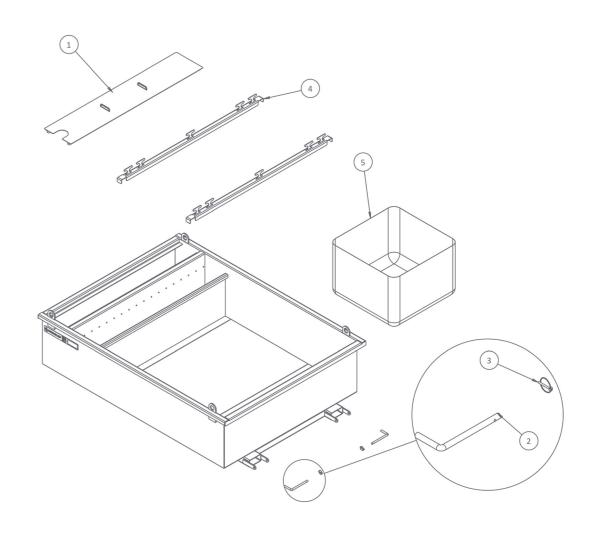


| TYPE  | LENGTH<br>(mm) | WIDTH<br>(mm) | OVERALL<br>HEIGHT<br>(mm) | TRANSPORT<br>HEIGHT<br>(mm) | WEIGHT<br>(kg) |
|-------|----------------|---------------|---------------------------|-----------------------------|----------------|
| Large | 2910           | 2210          | 4395                      | 3374                        | 580            |
| Small | 2455           | 2100          | 3215*                     | 2475                        | 450            |

\*The Small Skip Washing Platform must be used with a supporting upstand . This increases the overall height by 860mm to 4075mm.

## **PARTS DIAGRAM**

#### FILTRATION TRAY

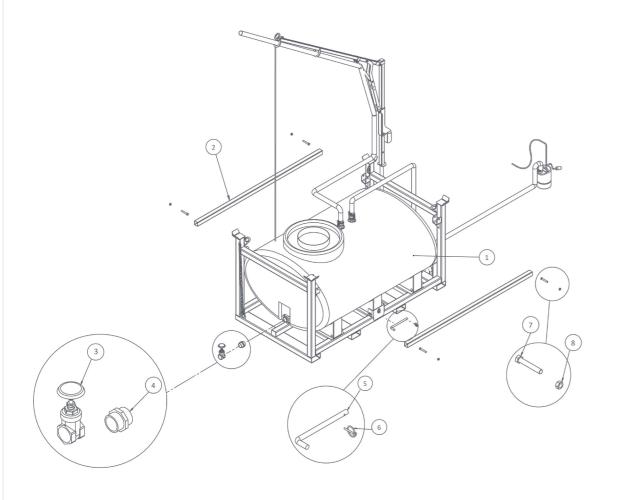


| ITEM NUMBER | PART     | DESCRIPTION              | QUANTITY |
|-------------|----------|--------------------------|----------|
| 1           | ZZ120232 | Pump Chamber Cover Plate | 1        |
| 2           | ZZ990000 | 16mm Heel Pin            | 2        |
| 3           | ZZ990009 | 6mm Linch Pin            | 2        |
| 4           | ZZ120223 | Bulk Bag Rail            | 2        |
| 5           | ZZ960046 | Filter Bag               | 1        |

NOTE: These parts are for this model, they may differ for previous versions. Please contact Conquip with any queries.

## **PARTS DIAGRAM**

WATER STORAGE TANK

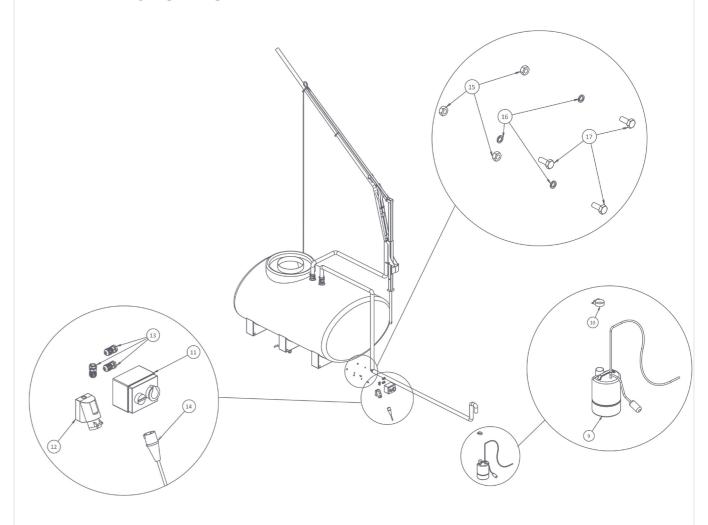


| ITEM NUMBER | PART     | DESCRIPTION                          | QUANTITY |
|-------------|----------|--------------------------------------|----------|
| 1           | ZZ990461 | 2000 litre Horizontal Transport Tank | 1        |
| 2           | ZZ120226 | Removable Spreader / Retaining Bar   | 2        |
| 3           | ZZ990468 | Stopcock Valve BSP 2" Female         | 1        |
| 4           | ZZ990469 | 2" Nipple (Connector) UPVC           | 1        |
| 5           | ZZ410015 | 20mm Heel Pin                        | 2        |
| 6           | ZZ990009 | 6mm Linch Pin                        | 3        |
| 7           | NS800835 | M16 x 100 Set Screw                  | 4        |
| 8           | NS800380 | M16 Full Nut                         | 4        |

NOTE: These parts are for this model, they may differ for previous versions. Please contact Conquip with any queries.

## **PARTS DIAGRAM**

WATER STORAGE TANK

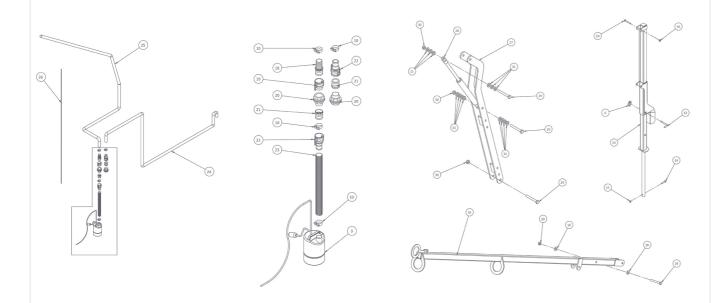


| 9  | ZZ990457 | Submersible Pump                 | 2 |
|----|----------|----------------------------------|---|
| 10 | ZZ990459 | Hose Clamp for 2" Hose           | 5 |
| 11 | ZZ990473 | Switched Power Socket 110V 16A   | 1 |
| 12 | ZZ990474 | Unswitched Power Socket 110V 16A | 1 |
| 13 | ZZ990476 | M20 Plastic Cable Gland          | 3 |
| 14 | ZZ990475 | Lead 14m 110V 16A                | 1 |
| 15 | NS800017 | M10 Full Nut                     | 3 |
| 16 | NS800396 | M10 Spring Washer                | 3 |
| 17 | NS800063 | M10 x 25 Hex Head Set Screw      | 3 |
|    |          |                                  |   |

NOTE: These parts are for this model, they may differ for previous versions. Please contact Conquip with any queries.

## **PARTS DIAGRAM**

#### WATER STORAGE TANK

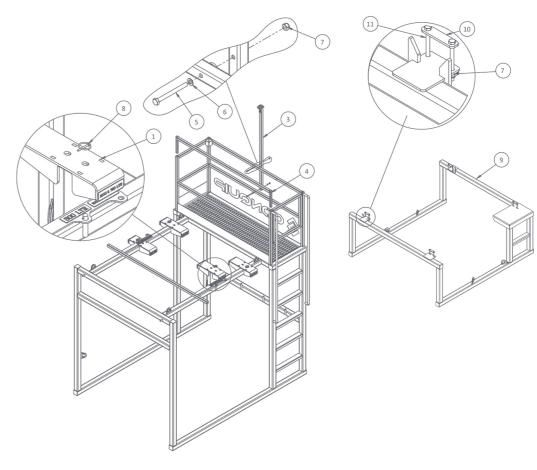


| ZZ990492 | Camlock Coupling Alu 2" Male to Hosetail BSP   | 1   |
|----------|--|---|
| ZZ990493 | Camlock Coupling Alu 2" Female to Male BSP   | 1   |
| ZZ990472 | Plastic 2" Tank Connector  | 2   |
| ZZ990471 | Camlock Coupling Alu 2" Male to Female BSP   | 2   |
| ZZ990470 | Camlock Coupling Alu 2" Female to Hosetail BSP   | 2   |
| ZZ990458 | Superelastic PVC Hose 620mm  | 1   |
| ZZ990458 | Superelastic PVC Hose 5380mm   | 1   |
| ZZ990458 | Superelastic PVC Hose 6000mm   | 1   |
| ZZ120029 | Transportation/Holding Rope 3m   | 1   |
| ZZ120228 | Hose Gas Strut Bracket   | 1   |
| ZZ960042 | Gas Strut Fixed Force 1500N  | 1   |
| NS800138 | M10 x 100 Set Screw  | 5   |
| NS800013 | M10 Nyloc Nut  | 5   |
| ZZ960066 | M10 Washer 4mm   | 14  |
| ZZ960068 | Securing Pin   | 1   |
| ZZ120227 | Upright Hose Arm Assembly  | 1   |
| NS800870 | M10 x 60 Set Screw   | 1   |
| ZZ120229 | Long Reach Hose Arm  | 1   |
| ZZ960067 | M10 Washer 2.5mm   | 2   |
|          | ZZ990493 ZZ990472 ZZ990471 ZZ990470 ZZ990458 ZZ990458 ZZ990458 ZZ120029 ZZ120228 ZZ960042 NS800138 NS800013 ZZ960066 ZZ960068 ZZ120227 NS800870 ZZ120229 | ZZ990493 Camlock Coupling Alu 2" Female to Male BSP ZZ990472 Plastic 2" Tank Connector ZZ990471 Camlock Coupling Alu 2" Male to Female BSP ZZ990470 Camlock Coupling Alu 2" Female to Hosetail BSP ZZ990458 Superelastic PVC Hose 620mm ZZ990458 Superelastic PVC Hose 5380mm ZZ990458 Superelastic PVC Hose 6000mm ZZ120029 Transportation/Holding Rope 3m ZZ120228 Hose Gas Strut Bracket ZZ960042 Gas Strut Fixed Force 1500N NS800138 M10 x 100 Set Screw NS800013 M10 Washer 4mm ZZ960066 Securing Pin ZZ120227 Upright Hose Arm Assembly NS800870 M10 x 60 Set Screw ZZ120229 Long Reach Hose Arm |

NOTE: These parts are for this model, they may differ for previous versions. Please contact Conquip with any queries.

## **PARTS DIAGRAM**

#### SKIP WASHING PLATFORM



| ITEM NUMBER | PART      | DESCRIPTION                             | QUANTITY |
|-------------|-----------|---|----------|
| 1           | ZZ120233  | Adjustment Bracket                      | 4        |
| 2           | ZZ120234  | Adjustment Cross Bar                    | 1        |
| 3           | ZZ120235  | Harness Point                           | 1        |
| 4           | ZZ120236  | Removable Handrail                      | 1        |
| 5           | NS800138  | M10 x 100 Hex Head Set Screw            | 2        |
| 6           | NS800262  | M10 Washer                              | 4        |
| 7           | NS800013  | M10 Nyloc Nut                           | 10       |
| 8           | ZZ990009  | 6mm Linch Pin                           | 6        |
| 9           | ZZ120205* | Upstand for Small Skip Washing Platform | 1        |
| 10          | ZZ120265  | Connector plate to suit ZZ120205        | 4        |
| 11          | NS800904  | M10 x 120 Hex Head Bolt                 | 8        |

\*The Upstand is only required if using the Small Skip Washing Platform.

NOTE: These parts are for this model, they may differ for previous versions. Please contact Conquip with any queries.

## OPERATIONAL PROCEDURES



**SCONQUIP** 

#### IMPORTANT USAGE NOTES

- When configuring the Skip Washing Platform for the required skip size, ensure a certified access platform for working at height is used.
- The submersible pump for the Filtration Tray will need fitting during assembly but the pump in the Water Storage Tank comes fitted with its own submersible pump inside.
- The Filtration Tray is supplied with heel pins; these must be fitted correctly before use. If the heel pins are missing do not manoeuvre the tray with a forklift or telehandler, contact Conquip Engineering Group for replacement pins.
- Ensure the harness point upright has been lowered into its transport position before the Skip Washing Platform is moved around site or relocated to another site.
- If using the Small Skip Washing Platform and supporting upstand, lifted using the lifting points at the top of the Skip Washing Platform.
- Ensure no personnel are on the Skip Washing Platform when a skip is lowered into position or lifted away. Use taglines to guide the skip from ground level.

#### ASSEMBLY INSTRUCTIONS

Before starting to assemble the Concrete Washout System, ensure there is a safe and approved, 110V electricity supply, close to the designated set up area.

#### FILTRATION TRAY ASSEMBLY

01. Move the Filtration Tray into position using a crane or forklift.

If using a crane, attach a 4-leg chain to the lifting points in each corner of the tray and check the load is balanced. Then, carefully lower it into the washout area

If using a forklift, align the machines' forks with the fork pockets on the tray and insert them fully inside. Make sure the heel pins are secured behind the fork heels before manoeuvring the tray around site.

02. Once in position, remove the fork retaining pins and reverse the machine away. Fit the fork retaining pins back in the storage position on the tray to prevent them being misplaced.







- 04. Place the rails across the width of the tray, ensuring they are positioned wide enough to hold the filter bag open. Wrap the filter bag handles around the hooks on the rails to secure them in place.
- 05. If you are washing out a Concrete Column Skip, one filter bag will suffice. However, Conquip recommend using two or four filtration bags for washing out a concrete truck chute to capture the maximum amount of aggregate in the bags.



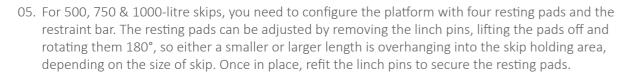


#### LARGE SKIP WASHING PLATFORM ASSEMBLY

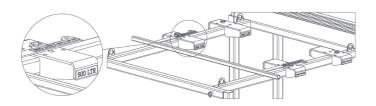
- 01. Attach certified lifting chains to the lower lifting eyes on the four legs of the Large Skip Washing Platform. Crane lift to the washout area and lower the platform over the Filtration Tray. Ensure both legs of the platform are outside the tray and that they sit level on the ground.
- 02. The platform can be configured to hold Conquip Concrete Column Skips from 500-litre to 3000-litre capacities. This must be carried out before attempting to lift a skip onto the platform.
- 03. First, identify the size of skip you have on-site. You can do this by reviewing the ID plate on the side of the unit.
- 04. The platform must be configured to suit the size of the skip.



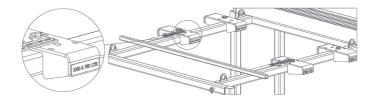




#### 500-LITRE SKIPS

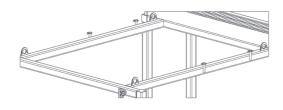


#### 750 & 1000-LITRE SKIPS



- 06. Now set up the restraint bar to match the size of the skip. Remove the restraint bar from its storage position and lower it over the lugs, using the correct hole as per the skip size. Refit linch pins as required.
- 07. For larger skips with sizes from 1500 to 3000-litres, the resting pads and the restraint bar are not required as these skips are large enough to rest in the platform frame.

#### **1500-3000-LITRE SKIPS**



- 08. If the restraint bar and the resting pads are not required, they can be stored on the end of the platform and secured with their linch pins.
- 09. With the platform configured, the harness point upright can be moved into position. The central bolt should be loosened slightly, and the outer bolt removed completely. Swing the post upright and refit the outer bolt to fix the upright to the mid-rail. Tighten both bolts.







- 11. Once attached to the harness point, you can remove the front handrail, if required. This must only be removed if it is covered by your site risk assessment.
- 12. The platform is now ready for use.

#### SMALL SKIP WASHING PLATFORM & UPSTAND ASSEMBLY

- 01. Place the Upstand over the Filtration Tray ensuring that the two steps are on the same side as the Small Skip Washing Platform ladder.
- 02. Attach certified lifting chains to the lifting eyes on the top of the Small Skip Washing Platform. Crane lift the Small Skip Washing Platform over the Filtration Tray and Upstand and lower it onto the Upstand ensuring both sides of the frame slot into the 'V' shaped guides.
- 03. Use the cross braces and bolts to fix the Small Skip Washing Platform to the Upstand and make sure the assembly is stable and firm.





- 04. The platform can be configured to hold Conquip Concrete Column Skips from 500-litre to 2000-litre capacities. This must be carried out before attempting to lift a skip onto the platform.
- 05. First, identify the size of skip you have on-site. You can do this by reviewing the ID plate on the side of the unit.
- 06. The platform must be configured to suit the size of the skip.
- 07. For 500, 750 & 1000-litre skips, you need to configure the platform with four resting pads and the restraint bar. The resting pads can be adjusted by removing the linch pins, lifting the pads off and rotating them 180°, so either a smaller or larger length is overhanging into the skip holding area, depending on the size of skip. Once in place, refit the linch pins to secure the resting pads.
- 08. Now set up the restraint bar to match the size of the skip. Remove the restraint bar from its storage position and lower it over the lugs, using the correct hole as per the skip size. Refit linch pins as required.
- 09. For larger skips with sizes from 1500 to 2000-litres, the resting pads and the restraint bar are not required as these skips are large enough to rest in the platform frame.

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- 10. If the restraint bar and the resting pads are not required, they can be stored on the end of the platform and secured with their linch pins.
- 11. With the platform configured, the harness point upright can be moved into position. The central bolt should be loosened slightly, and the outer bolt removed completely. Swing the post upright and refit the outer bolt to fix the upright to the mid-rail. Tighten both bolts.
- 12. Attach the harness clip to the harness point at the top of the upright.
- 13. Once attached to the harness point, you can remove the front handrail, if required. This must only be removed if it is covered by your site risk assessment.
- 14. The platform is now ready for use.

#### WATER STORAGE TANK ASSEMBLY

- 01. The Water Storage Tank sits in a steel frame with lifting points and fork pockets, allowing it to be manoeuvred around site by a crane or forklift, respectively.
- 02. Fill the water tank before manoeuvring it into position.
- 03. Manoeuvre the Water Storage Tank into the washout area using the available lifting apparatus and position it behind the platform, next to the covered compartment of the Filtration Tray.
- 04. Attach the hose from the Filtration Tray compartment to one of the connection couplings on the top of the Storage Tank.





- 05. Feed the delivery hose through the eyelets on the hose delivery arm.
- 06. Using two operatives, place the bottom of the hose delivery arm into the holder on the tank's frame. Secure with the M16 set screw and full nut.
- 07. Adjust the height of the hose delivery arm accordingly and secure.





- 08. Secure the end of the hose to the other connection coupling on top of the tank.
- 09. Take the black 110V power cable for the pump in the Filtration Tray and plug it into the left-hand socket on the side of the Water Storage Tank frame.
- 10. Then take the black 110V power cable from the pump for the Water Storage Tank and plug it into the right-hand socket on the side of the frame.
- 11. Finally, take the main power cable (yellow) for the Concrete Washout System and plug it into the generator / on-site power source.





- 12. Return to the power socket panel on the side of the Water Storage Tank frame and turn the switch on to check the water flows from the delivery hose.
- 13. Switch this off until you are ready to washout as the water will flow continuously.
- 14. The Concrete Washout System is now ready to use.





#### CLEANING A CONCRETE COLUMN SKIP

- 01. Before attempting to clean any concrete equipment using the Concrete Washout System, the washing platform must have been configured to support the relevant size of skip.
- 02. Follow the steps in the assembly instructions to ensure the platform has been set up correctly.
- 03. With the guidance of a banksman, lower the Concrete Column Skip onto the washing platform, ensuring the mouth of the skip is facing towards the work platform.
- 04. Position the skip on the platform's resting pads if using 500, 750 and 1000-litre Concrete Column Skips, or rest the sides of the skip on the edges of the platform for 1500, 2000 and 3000-litre skips.
- 05. Operatives should stand to the side of the skip washing platform and use tag lines to guide the skip and place it in position. Under no circumstances are operatives permitted to be on the work platform while a skip is mid-lift.
- 06. Once the skip is landed, only then can an operative climb the ladder and enter the work platform.





**SCONQUIP** 

- 07. Once on the work platform, the operative should attach their harness to the harness point at the back of the work platform.
- 08. The restraint bar can then be removed from the front of the work platform and slotted into the back of the platform underneath the harness point for easier access to the skip for cleaning, subject to a site-specific risk assessment.
- 09. When washing a skip with a bale arm, ensure the bale arm has been lowered into the 'resting position' before attempting to clean it. For skips without bale arms, Conquip recommend placing the chains out of the way during cleaning.





- 10. To begin washing, turn the system on using the switch on the water storage tank frame. Once on, the water will flow continuously, so Conquip recommend an operative on ground level to control the water flow.
- 11. Use the delivery hose to wash all concrete off the skip. As the skip is washed, the large heavy concrete aggregate will collect in the filtration bag(s) in the filtration tray.





- 12. The filtration bag will begin to fill up with large aggregate. When full, this bag can be lifted out of the tray and disposed of in line with the site's environmental regulations.
- 13. In the filtration tray, the water flows over a weir into the second section of the tray.
- 14. In the second section, any remaining sediment sinks to the bottom, while the water, free from particles, can flow through the filtration holes into the third and final section of the tray.





- 15. As this section begins to fill up with water and it reaches the required level, the floatation switch on the pump will activate, automatically transferring water from the tray to the water storage tank.
- 16. Once the water level drops to a sufficient level, the floatation switch on the pump automatically turns off, preventing unnecessary wear and tear on the pump.
- 17. After all equipment has been washed, the system must be turned off using the switch on the side of the water storage tank frame. Conquip recommend the operative on ground level controls the water flow.





#### CLEANING A CONCRETE TRUCK CHUTE

01. To wash out the chute of a concrete truck, Conquip recommend arranging 4 filtration bags in the filtration tray to capture the maximum amount of concrete aggregate.



- 02. Slowly reverse the truck positioning the concrete chute over the filtration bags in the filtration trav.
- 03. The driver can then clean the chute, as per their normal procedure, with the filtration tray collecting any excess concrete waste.





04. Once clean, the driver can raise the chute into its 'transport position' and leave site.

#### AFTER USE INSTRUCTIONS

After all equipment has been cleaned, the concrete waste and wastewater needs to be disposed of according to local environmental guidelines.

- 01. After all equipment has been cleaned, the concrete waste and wastewater needs to be disposed of according to local environmental guidelines.
- 02. Remove the filtration bags and empty the concrete aggregate as per the site's environmental guidance.
- 03. If the site has an arrangement with the concrete plant to reuse the wastewater, it can be sent back to make the next batch of concrete.
- 04. Alternatively, the water storage tank can be crane lifted onto a concrete slab for use in a wet-curing process.
- 05. When the water in the tank needs to be pumped into the concrete truck or elsewhere, place the delivery hose in position and turn on the switch on the water storage tank frame to start the flow of water.
- 06. The pump in the tank pumps water at a rate of 225 litres a minute. If left on continuously, the water storage tank will empty until the floatation switch deactivates the pump. This will take approximately 9 minutes.
- 07. Conquip offer a neutralising additive for contaminated water. Any remaining water in the filtration tray or the water storage tank must be treated before being disposed of in accordance with the site's environmental regulations.







### **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

#### FILTRATION TRAY

| INSPECTION ITEMS                      | RESULTS      |                | COMMENTS         |  |
|---------------------------------------|--------------|----------------|------------------|--|
|                                       | SATISFACTORY | UNSATISFACTORY |                  |  |
| Serial Number                         |              |                | CQ               |  |
| Product Code                          |              |                |                  |  |
| Working Load<br>Limit (kg)            |              |                |                  |  |
| Conforms to user guide specification  |              |                |                  |  |
| Lift points bent or worn              |              |                |                  |  |
| Bulk bag rails in place               |              |                |                  |  |
| Pump chamber cover plate in place     |              |                |                  |  |
| Pump and hose connected               |              |                |                  |  |
| Heel pins for damage                  |              |                |                  |  |
| Heel pin retaining clips in place     |              |                |                  |  |
| General visual inspection of the body |              |                |                  |  |
| SIGNATURE                             |              |                |                  |  |
| Name                                  | Position     | Qualification  | Signature & Date |  |
|                                       |              |                |                  |  |

#### VISUAL INSPECTION CHECKLIST

#### SKIP WASHING PLATFORM

| INSPECTION ITEMS                      | RESULTS      |                | COMMENTS         |  |  |
|---------------------------------------|--------------|----------------|------------------|--|--|
|                                       | SATISFACTORY | UNSATISFACTORY |                  |  |  |
| Serial Number                         |              |                | CQ               |  |  |
| Product Code                          |              |                |                  |  |  |
| Working Load<br>Limit (kg)            |              |                |                  |  |  |
| Conforms to user guide specification  |              |                |                  |  |  |
| Harness point secure                  |              |                |                  |  |  |
| Handrails secure and not damaged      |              |                |                  |  |  |
| Gate working                          |              |                |                  |  |  |
| Lift points bent or worn              |              |                |                  |  |  |
| Adjustment brackets in place          |              |                |                  |  |  |
| Adjustment cross bar in place         |              |                |                  |  |  |
| Linch pins present                    |              |                |                  |  |  |
| General visual inspection of the body |              |                |                  |  |  |
| SIGNATURE                             |              |                |                  |  |  |
| Name                                  | Position     | Qualification  | Signature & Date |  |  |
|                                       |              |                |                  |  |  |

#### VISUAL INSPECTION CHECKLIST

#### WATER STORAGE TANK

| INSPECTION ITEMS                          | RESULTS      |                | COMMENTS         |  |
|---|--------------|----------------|------------------|--|
|   | SATISFACTORY | UNSATISFACTORY |                  |  |
| Serial Number                             |              |                | CQ               |  |
| Product Code                              |              |                |                  |  |
| Working Load<br>Limit (kg)                |              |                |                  |  |
| Conforms to user guide specification      |              |                |                  |  |
| Hose arm assembly in place                |              |                |                  |  |
| Water hoses<br>damaged                    |              |                |                  |  |
| Electric supply damage                    |              |                |                  |  |
| Lift points bent or worn                  |              |                |                  |  |
| General visual<br>framework<br>inspection |              |                |                  |  |
| General visual tank inspection            |              |                |                  |  |
| Pump operational                          |              |                |                  |  |
| SIGNATURE                                 |              |                |                  |  |
| Name                                      | Position     | Qualification  | Signature & Date |  |
|   |              |                |                  |  |

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## **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, service personnel and 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, service personnel 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 equipment.



M002 Refer to instructions manual



M010
Wear protective clothing



M004 Wear eye protection

Wear head protection





M015 Wear high-visibility clothing



M009 Wear protective gloves



M 0 1 5 Wear a safety harness

#### **GENERAL NOTES**

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- 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 (PPE) 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.

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## **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: 2024** 

Garry Critchley, Chief Executive Officer



| ITEM                        | CODE                 | DESCRIPTION   |
|-----------------------------|----------------------|---|
| EC DIRECTIVE/<br>REGULATION | 2006/42/EC           | Directive 2006/42/EC- new machinery directive   |
| HARMONISED<br>STANDARDS     | BS EN ISO 12100:2010 | Safety of machinery General principles for design<br>Risk assessment and risk reduction |
| OTHER<br>REGULATIONS        | LOLER 1998           | Lifting Operations and Lifting Equipment Regulations<br>1998 (LOLER)                    |
|                             | PUWER 1998           | Provision and Use of Work Equipment Regulations<br>1998 (PUWER)                         |

**<b>\$**CONQUIP®

## TALKING TO US IS EASY **WE'RE HERE TO HELP**

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