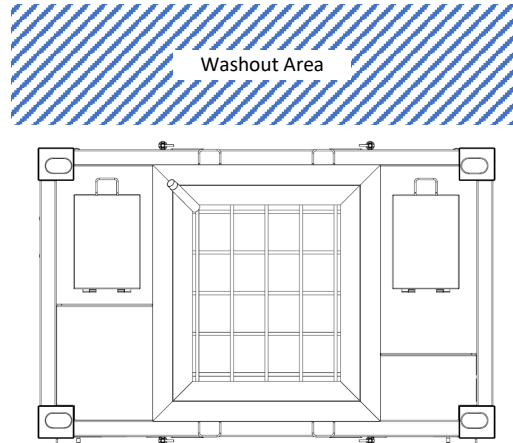
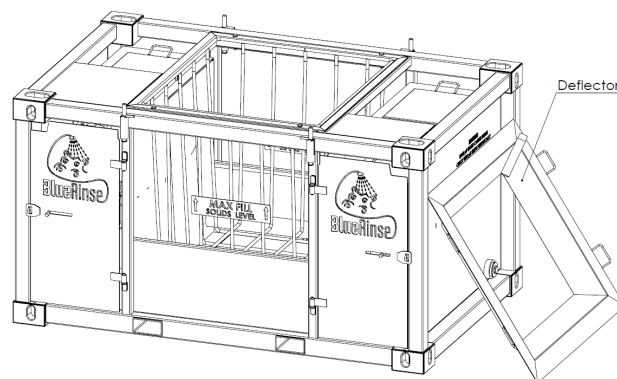


Set up:

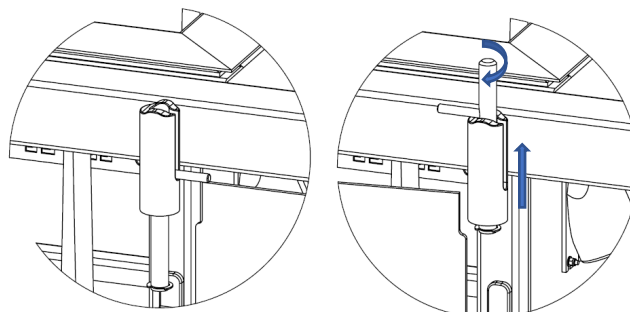
- Site on level ground with the tank top hatches facing the washout area and doors facing the other way.



- Remove the Deflector to access the Basket.

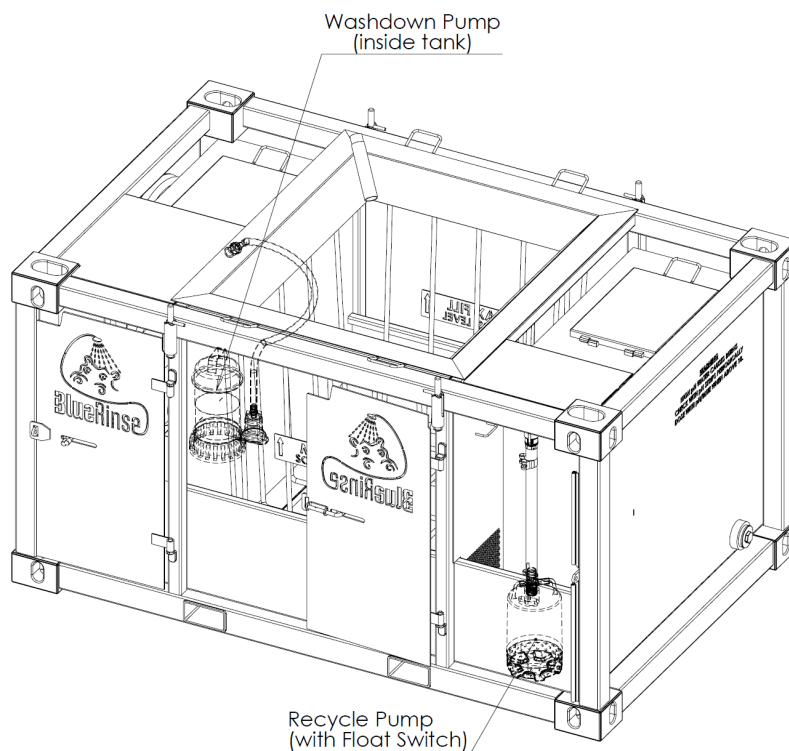
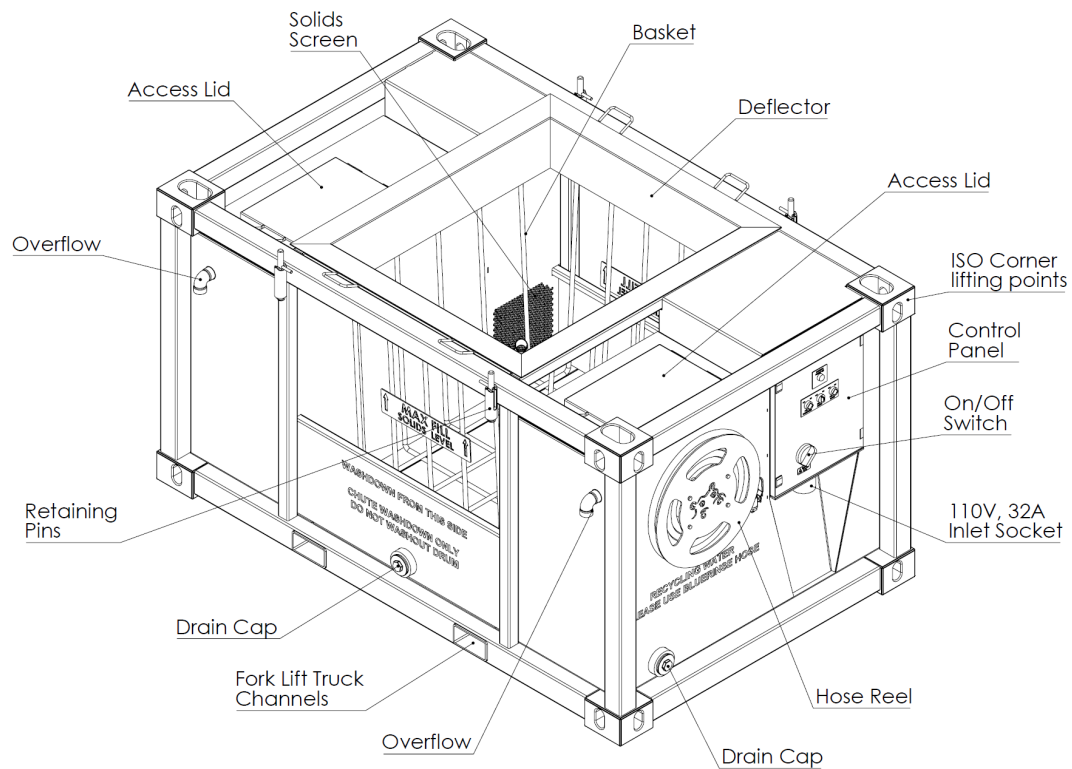


- Drop the BlueRinse Nappy Sack into basket, raise and twist the Pins through each sack handle.



- Check hoses are connected and Drain Caps fitted tightly.
- Connect an RCD protected 110v 32amp power supply to the Control Panel's socket (min 5kVA required for a generator)

Key parts:



Operation:

- At the Control Panel, check that Pump 1 is ON (Washdown hose), Pump 2 is ON (Recycle pump), Pump 3 set OFF (spare socket for third pump accessory).
- Turn the main switch to the ON position.
- Position the wagons concrete chute over the Guide and wash-down using BlueRinse hose.
- Washwater will slowly filter through the sack into the base where the Recycle Pump will periodically return it to the tank for reuse, thus forming a closed loop.
- Turn-off Pump 1 when the unit is likely to sit for a period between washdown jobs; Pump 2 operates intermittently and should be left turned on to drain filtering washwater.
- Turn main Control Panel switch to the 'OFF' position when operations are complete, and water has fully drained from the Nappy Sack.
- For operator safety, periodically check the washwater with pH strips. Our self-dosing BlueRinse Nappy Sacks should buffer pH of the washwater automatically, however, if a sack should become over filled the return pump fail to operate add Mudtech pH Blue to the tanks when pH rises above 10.
- The Nappy Sack should be changed before the Max Level of Solids is reached, as indicated on the basket. Nappy Sacks are certified to 1 tonne SWL and *should not be overfilled*.

Before Transportation:

- Unit should be drained by either removing the Drain Caps or discharging via the hose, according to site procedure.
- If operated correctly, pH levels of the water should remain within safe limits. We would always recommend checking pH levels before discharging.
- The Nappy Sack should be removed, solids discarded safely.
- Check the Sump area inside the right-hand cabinet is clear of debris. Shake submersible clear to avoid long term accumulation in its strainer.
- If a significant amount of debris has accumulated in the sump area we recommend the submersible pump strainer is removed and cleared (see maintenance chapter).

Storage & Re-commissioning:

- Follow steps above in "Before Transportation" chapter before storage.
- If the unit will be stored during freezing conditions, please follow the Frost Protection guidelines in a following chapter.
- To extend lifetime we recommend the tanks are emptied and drain caps removed during prolonged periods of storage.

General Recommendations & Warnings:

- Product weight listed on the Manufacturers Plate for lifting purposes is specified with empty tanks.
- Only lift the unit using the ISO Corners or channels provided for a Fork Lift Truck. Ensure lifting accessories and equipment are rated for the task.
- Use padlocks to secure the doors when located on un-secured sites.
- Keep Access Lids closed during operation to avoid solids and debris entering the tanks.

Control Box connections:

Please note the Control Panels socket & pump configuration as follows:

- 1) Washdown pump (inside the tank) should be connected to socket 'Pump 1'.
- 2) Recycle pump (right hand cabinet) should be connected to 'Pump 2'.
- 3) 'Pump 3' socket is provided to connect a spare 110V pump accessory.

pH Control:



WARNING: Water mixed with concrete increases in pH and if left untreated will cause irritation and **burns** on contact with skin.

BlueRinse has been designed to quickly separate the solids and suspend them out of the water, reducing reaction time.

Our pH Blue technology has been developed to maximise operator safety. Whether it's integrated into our technical fabrics or in liquid form, pH is safely buffered to around 8.5 and cannot be overdosed.

Our BlueRinse Nappy Sacks have been developed to avoid the risk of inadvertently operating the device without pH control, making management of the hazard much easier. They self-dose washwater with pH Blue additive as it filters through the sack's walls, reducing pH to safe levels without no further treatment or consumables required.

If our self-dosing BlueRinse Nappy Sacks are over filled or there should be any mishap, it is important to check pH levels of the washwater with the pH strips (which can be found in the door) manually dose with Mudtech pH Blue if the pH rises above 10.

Operator Safety:



WARNING: Water from the washdown hose may contain fine debris which has not been caught by our multi-stage filtration system.

- Do not direct the hose at another person or animal.
- Use for site equipment only.
- Do not spray the electrical equipment

Frost Protection:



Warranty cover does not extend to damage resulting from frost & severely cold weather; we recommend the following precautions during freezing conditions:

- With the unit turned off, open the Washdown hose valve to drain the hose back into the tank.
- Lift the two submersible pumps out of the water in severe conditions.

General Maintenance:

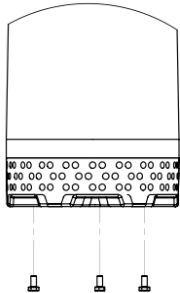
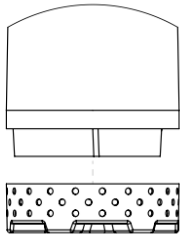
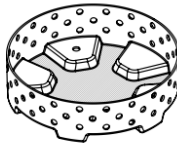
Frequent maintenance should not be required. Depending on frequency of use and site conditions we recommend periodic maintenance:

- Clean Solids Screen – Open RH door to expose Recycle Pump, use hose to wash down the Screen separating the basket area to remove any debris.
- Open central 3" Drain Cap and washout basket area. The basket can be un-bolted and removed to allow the area to be swept clear if necessary.
- Check inside the tanks for any build-up of debris and washout through 3" ports if necessary.

Pump maintenance:

Water is returned to the tanks using a submersible pump located securely in the right hand cabinet. The sump should be periodically checked and debris removed. Silt and fines can accumulate inside the pumps strainer which will impair flow and may stall and trip the motor.

WARNING: RECYCLE PUMP NEEDS CLEARING PERIODICALLY - FAILURE TO DO SO VOIDS PUMP WARRANTY

<p>Maintenance Instructions:</p> <ol style="list-style-type: none"> 1. Turn off Main Switch. 2. Remove Power Supply. 3. Disconnect hose Camlock. 4. Lift pump out of cabinet. 5. Remove 3 bolts from bottom of Strainer using 10mm spanner (Diagram 1). 6. Do not remove other screws - VOIDS WARRANTY. 7. Remove Strainer (Diagram 2). 8. Clear all debris from base of Strainer (Diagram 3). 9. Re-assemble in reverse order. 	 <p>Diagram 1.</p>	 <p>Diagram 2.</p>	 <p>ENSURE INSIDE OF STRAINER IS COMPLETELY CLEAR OF DEBRIS</p> <p>Diagram 3.</p>
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Troubleshooting F.A.Q:

Item	Symptom	Indication	Action
1	Unit will not turn on	Control box indicator lamp is off	Check power cable & supply, a minimum spec of 5kVa generator is recommended. If the main switch doesn't physically twist, ensure the safety interlock clip on the front of the switch is fully pushed in.
2	Washdown system does not operate	Pump inside tank is not operating (silent)	<ol style="list-style-type: none"> 1. Check main 'Control Power On' indicator lamp is on, see Item 1. Ensure Pump 1 switch is set to 'On', Pump 2 set to 'On'. 2. Check water level in tank is well above the height of the submersible washdown pump inside (the pump automatically switches off with low water levels). 3. Check the float switch attached to the pump is floating freely, isn't snagged or jammed down, reposition pump if necessary. 4. If operated for a very long time, the pump may have overheated and should be left to cool. 5. Lift out the pump out of the tank hatch and check for mechanical blockage of the impellor, ensure power supply is removed if opening the strainer to clear a blockage. 6. Conduct visual check to search for any damage or obvious reasons for an electrical trip. 7. Check electrical trip devices - Turn off and remove main supply cable. Open Control Box using supplied key. Check circuit breaker switches in the top right side of the cabinet are on (up position). 8. Reset Overload Protector OL1 by pressing blue button, note if tripped. Ensure cabinet is closed and locked before re-connecting the power supply. 9. If all other stages have been checked and the unit continues to cut-off/trip, seek advice from a qualified electrician or contact Customer Support.
		Pump inside tank is operating, but no water ejected when washdown valve is opened	<ol style="list-style-type: none"> 1. Open Tank lid to check water level (see point 3). 2. Check the float switch attached to the pump is floating freely, isn't snagged or jammed up, reposition pump if necessary. 3. Check the system isn't frozen. 4. Lift out the pump out of the tank hatch and check for mechanical blockage of the impellor.
3	Low water level in tanks (open Tank Hatch to check)	Recycle Pump operates ok (water-line is below central basket)	Top-up with water and pH Blue through Access Lid. Check Drain Caps for leaks.

		Recycle Pump does not operate (water-line is above the central basket area)	See Item 4 (Recycle system does not operate)
4	<p>Water is not recirculating into the tanks.</p> <p>Water level in the central basket area is touching or above the baskets base</p>	Submersible pump in the right-hand compartment does not operate	<ol style="list-style-type: none"> 1. Check main 'Control Power On' indicator lamp is on, see Item 1. Ensure Pump 1 switch is set to 'On', Pump 2 set to 'On'. 2. Make sure Float Switch floats freely in sump area (lift it vertically to check it turns on). Reposition pump if necessary. 3. Check the sump area is clear from debris. 4. Isolate the power supply and remove the Recycle Pumps strainer, ensure all debris is cleared and the impellor runs freely (see Maintenance chapter) 5. Re-start to check, if it does not re-start . . . 6. Conduct visual check to search for any obvious reasons for an electrical safety trip. 7. If operated for a long period, the pump may have overheated and should be left to cool. 8. Check electrical trip devices - Turn off and remove main supply cable. Open Control Box using supplied key. Check circuit breaker switches in the top right side of the cabinet are on (up position). 9. Reset Overload Protector OL2 by pressing blue button, note if tripped. Ensure cabinet is closed and locked before re-connecting the power supply. 10. If all other stages have been checked and the unit continues to cut-off/trip, seek advice from a qualified electrician or contact Customer Support.
		Submersible pump operates but cannot lift water or lifts very slowly.	<ol style="list-style-type: none"> 1. Check the sump area is clear from debris and fines. 2. Check Solids Screen is clear and water flows through to the sump area, back-wash with hose if blocked. 3. Isolate the power supply and remove the Recycle Pump's strainer, ensure all debris is cleared and the impellor runs freely (see Maintenance chapter)
5	Recycle Pump does not turn OFF	Submersible pump runs when there is no water remaining in the sump.	Check sump area for debris. Ensure the float switch can sink to the bottom, reposition pump if necessary.
6	pH Level is higher than safe or discharge guidelines	Test with pH strips.	We recommend dosing with pH Blue above pH10

Aftersales support:

For Warranty and Servicing enquiries please provide the units Serial Number, located on the Manufacturers Plate affixed to the frame above the Control Panel.

Consult the diagram below for our easy-fix spares and replacement parts.

