

Kelly Tanks Ltd

CWS Ultra Concrete Washout

Instructions for use

Foreword

Thank you for purchasing/hiring this Concrete Washout Ultra

This manual explains correct setup, handling methods, inspection and maintenance to use your Concrete Washout Ultra safely and efficiently.

This manual also illustrates all of the information needed to achieve the best performance from your Concrete Washout Ultra and minimise your downtime.

Before using the Concrete Washout Ultra, ensure that you read and fully understand this manual.

CWS Ultra System Includes:

1no Goliath Submersible Pump
1no High Volume Submersible Pump
Control Panel
Hose & Fittings

Requires:

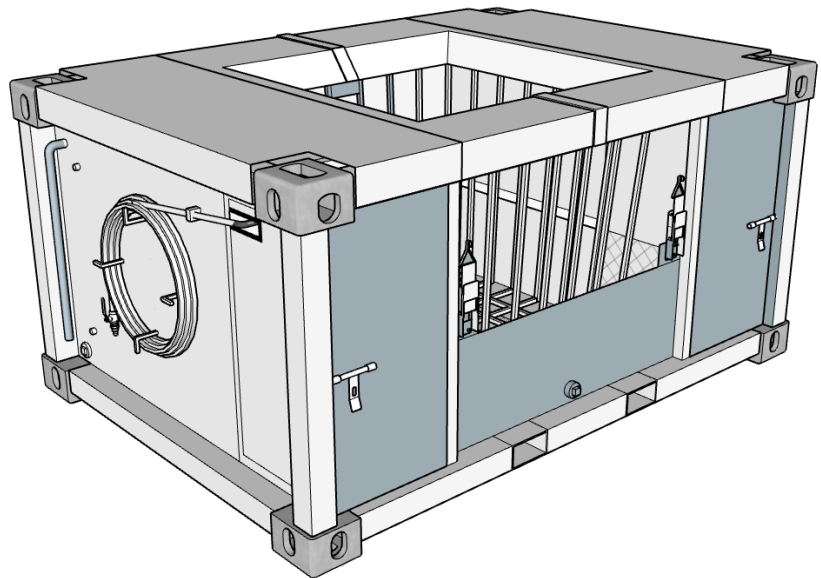
Water (approx. 1000ltr)
RCD Protected 110V/16amp (plug) Power Source
Recommend 2.5mm 110V Cable

MAINS POWER or **MIN 3.4 KVA GENERATOR**

Consumables Required:

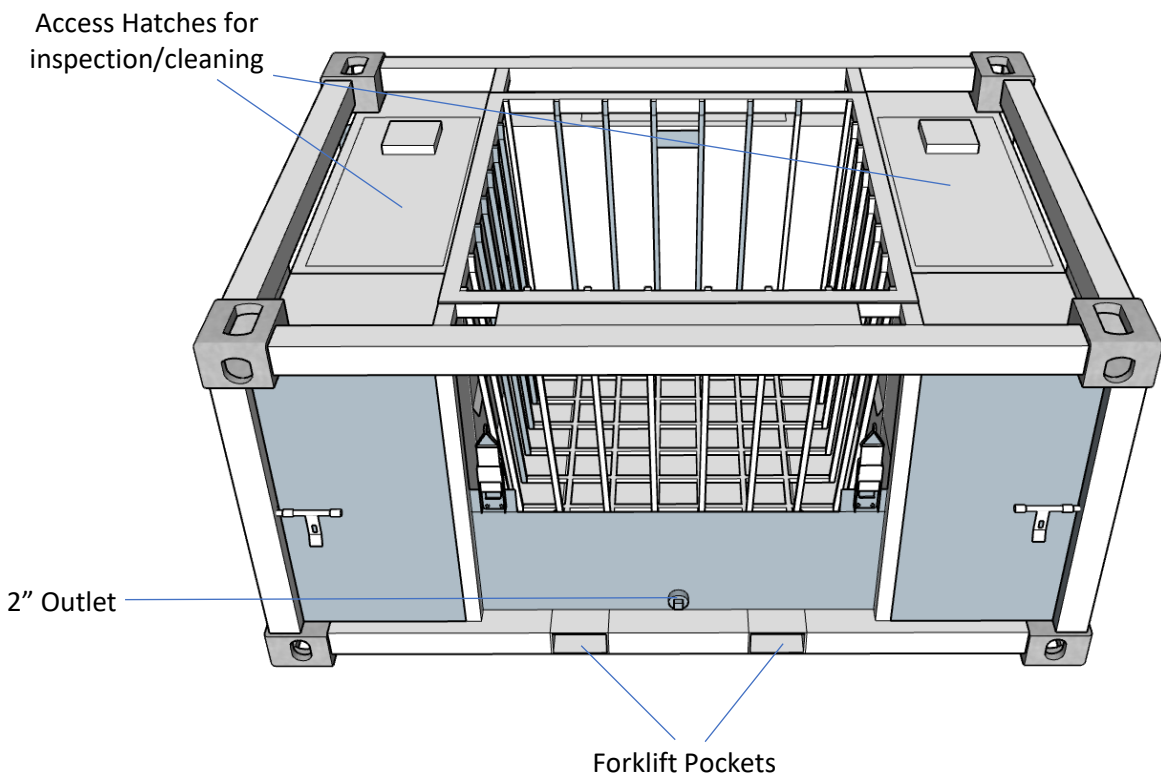
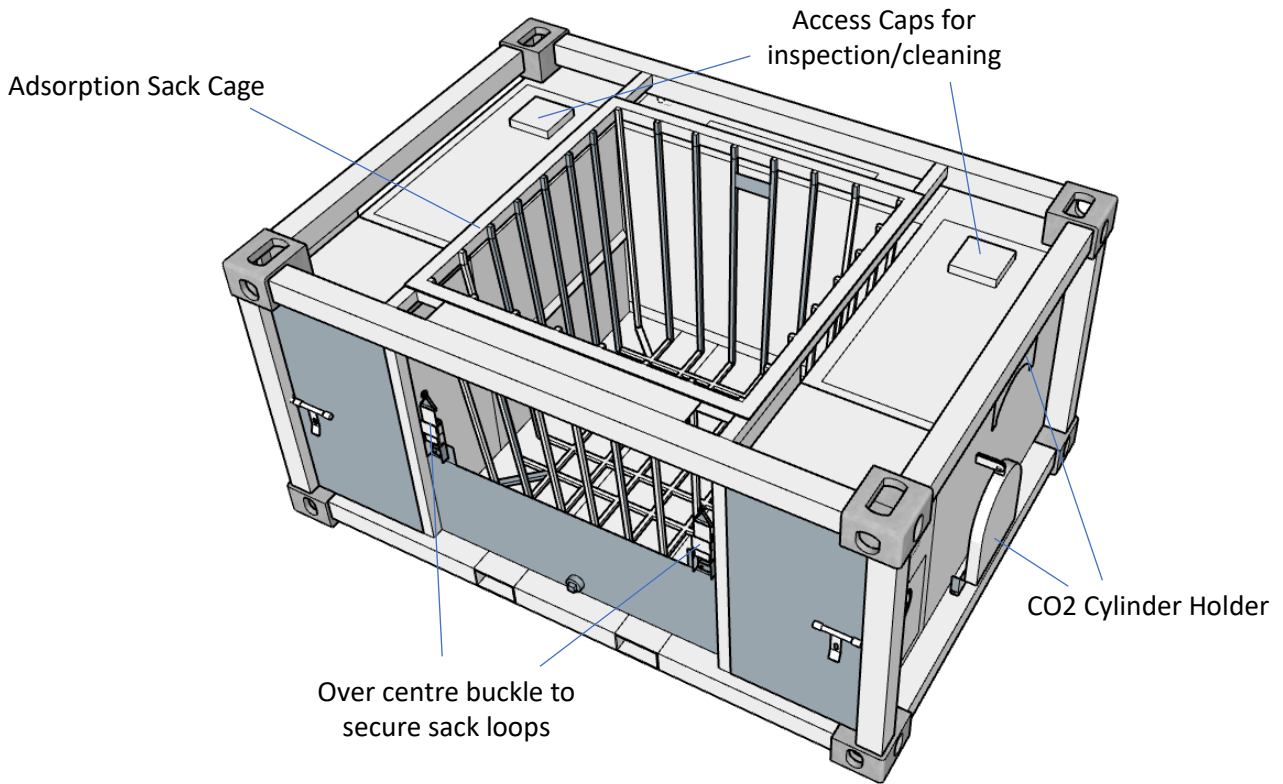
Kelly Tanks Adsorption Sack(s)
CO2 Cylinder inc Regulator

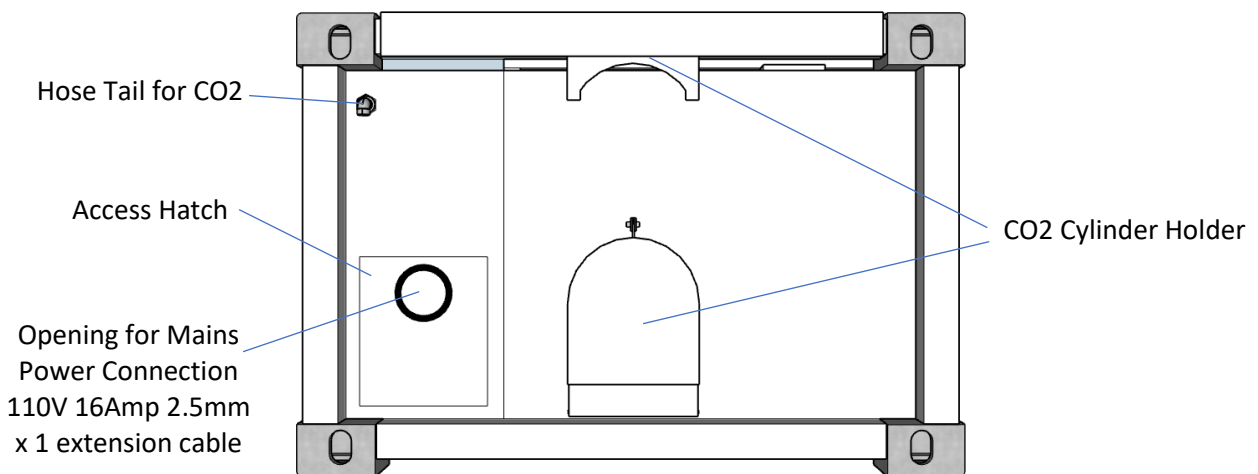
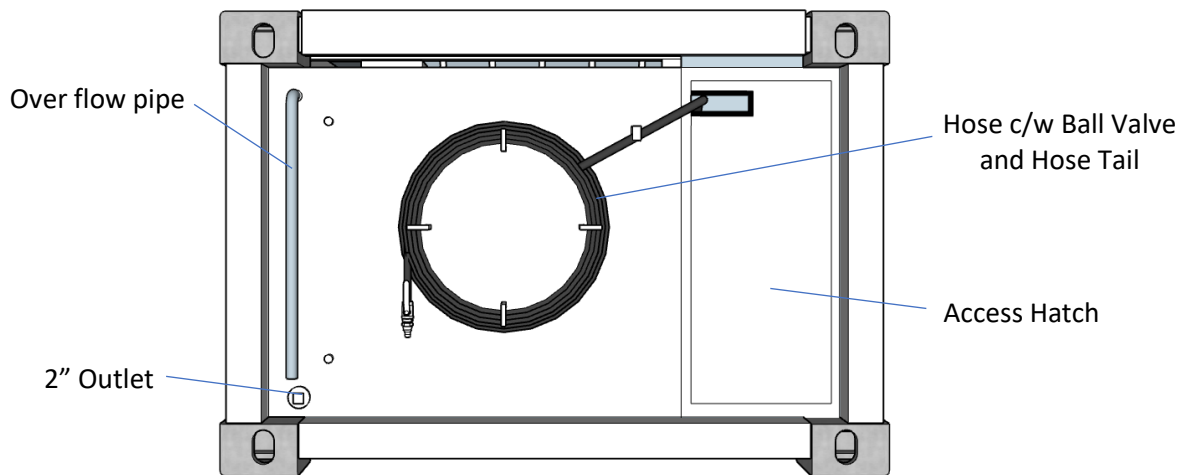
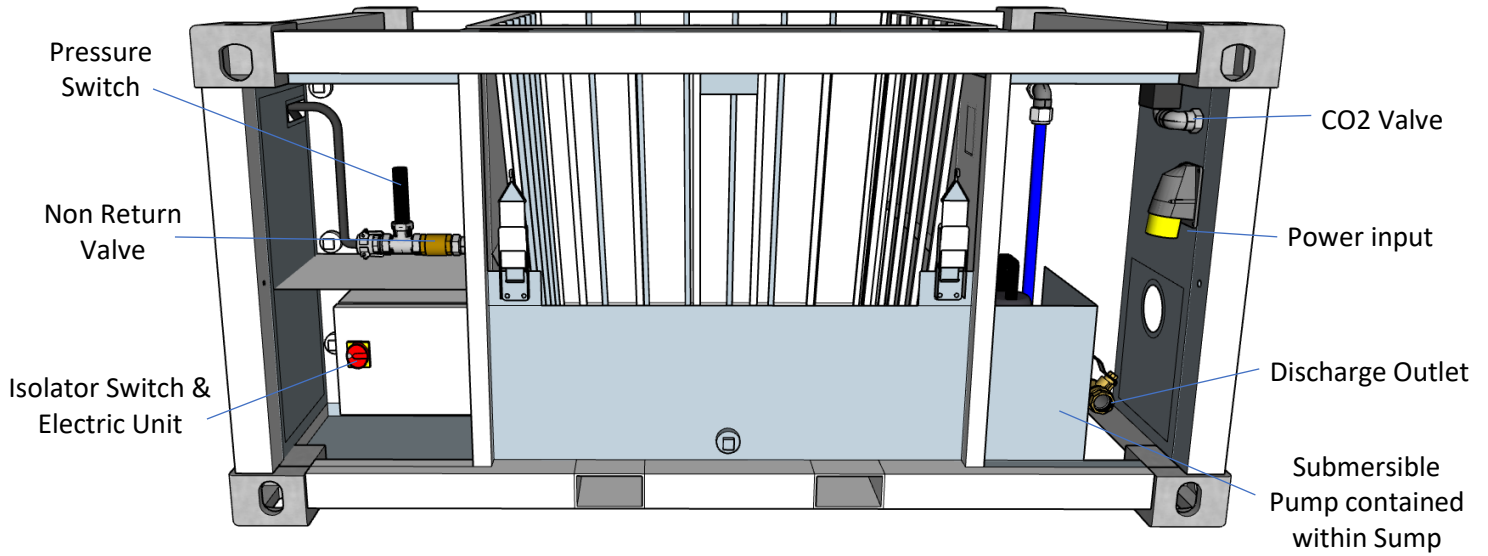
**SYSTEM MUST ALWAYS BE USED WITH A
KELLY TANKS ADSORPTION FILTER SACK**



Weight approx. 1080kg

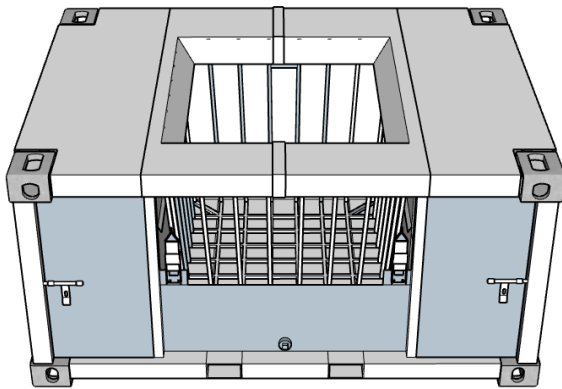
Dims (mm) approx. 2350 (L) 1640 (W) 1030 (H)



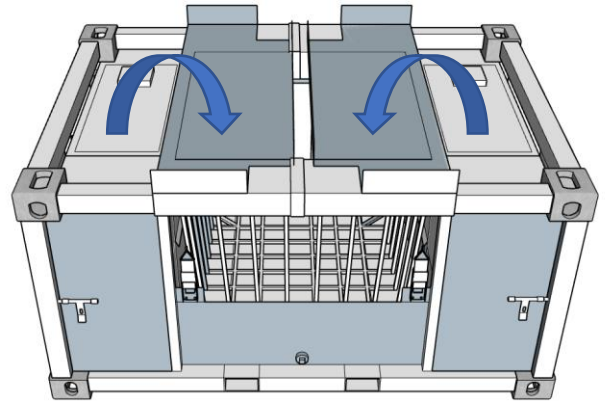


Setting up:

- 1) Fold In Polypropylene Cover

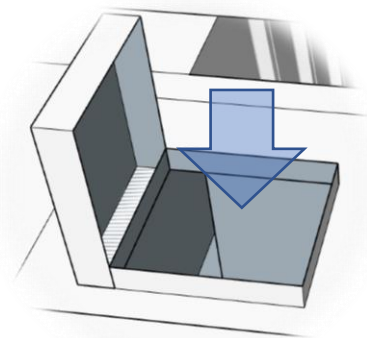
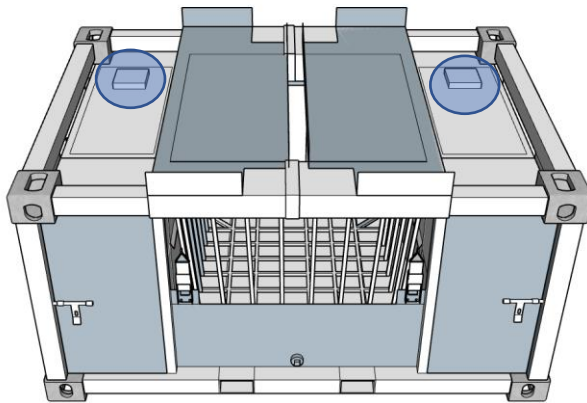


Position 1

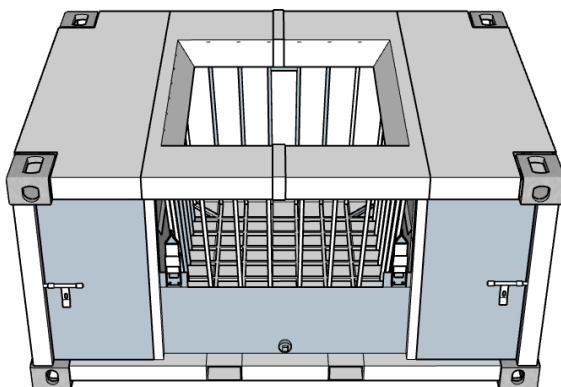


Position 2

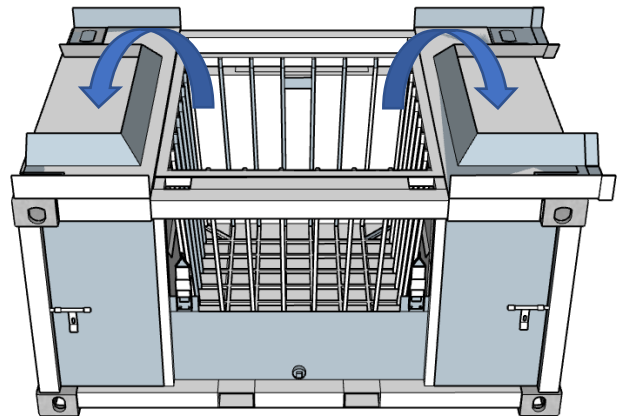
- 2) Fill CWS Ultra with approx. 1000ltr clean water via either access cap.
If using recycled/washwater to fill system, fill through Adsorption Sack, not via access cap.



- 3) Fold Back Polypropylene Cover

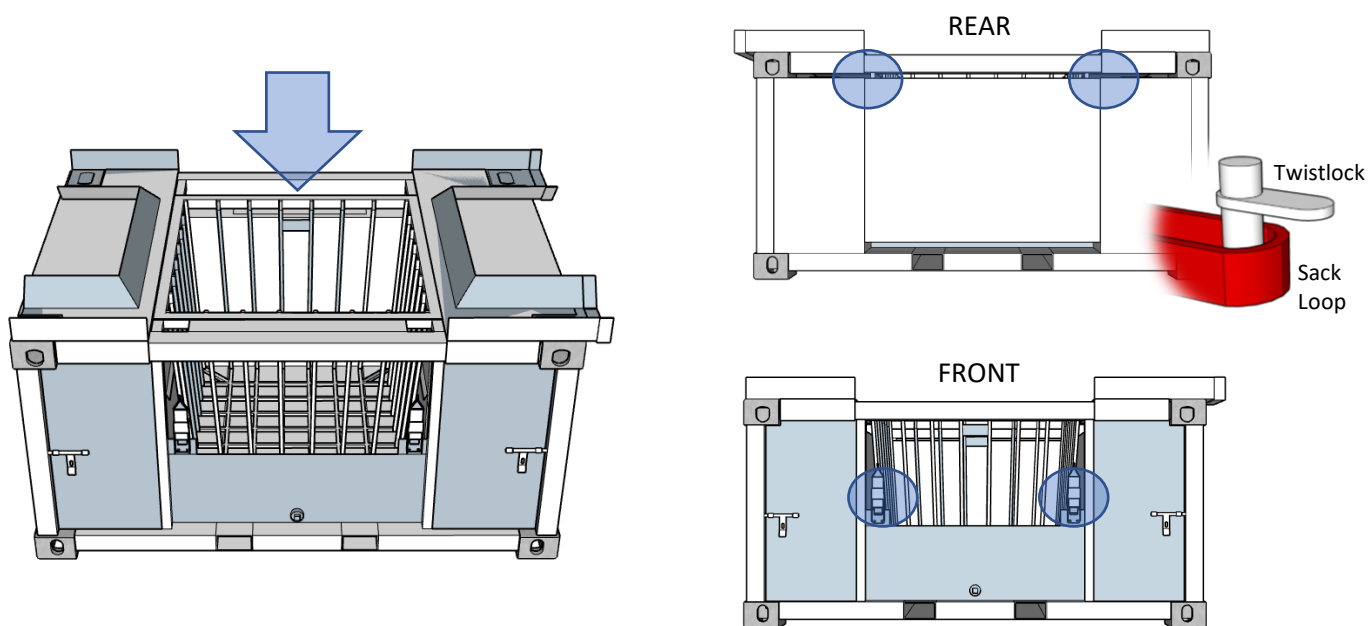


Position 1

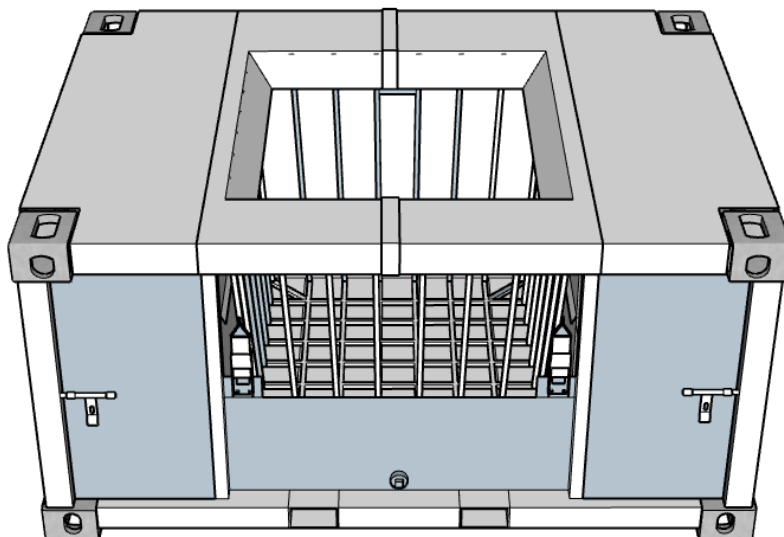


Position 2

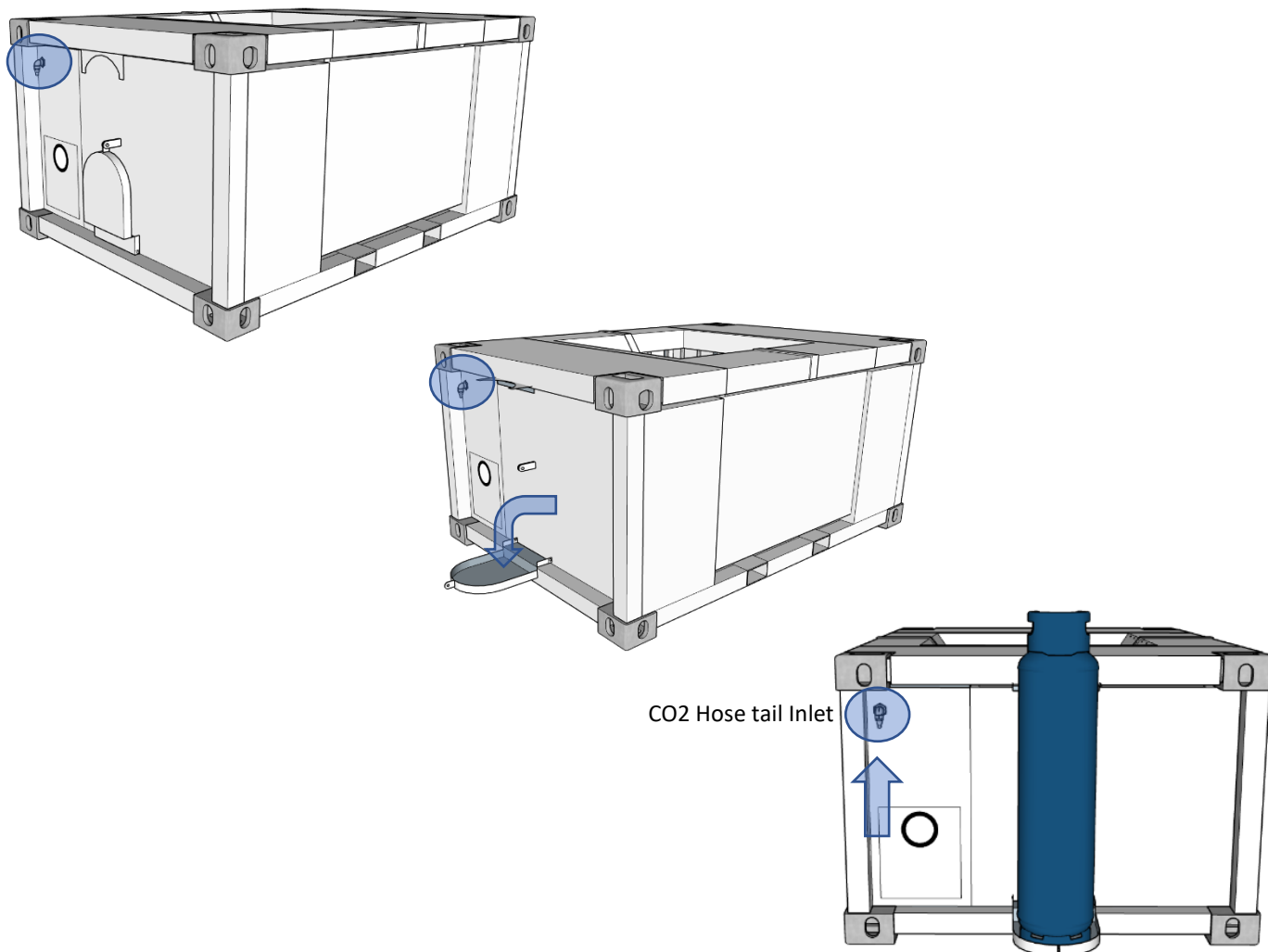
- 4) Place Adsorption Sack in Frame and attach rear 2no Sack loops to twistlocks and front 2no Sack loops to 2no hooks on overcentre buckles to secure them in place



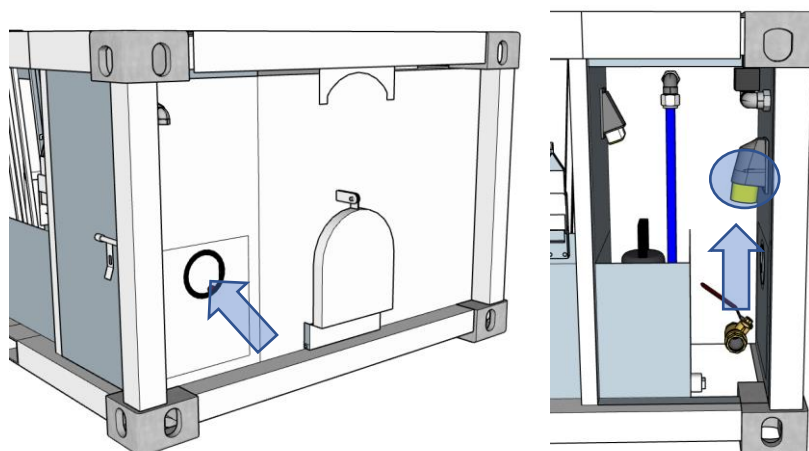
- 5) Replace Cover - Ensure cover is in place at all times during use



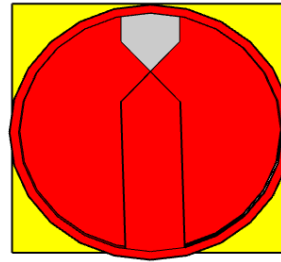
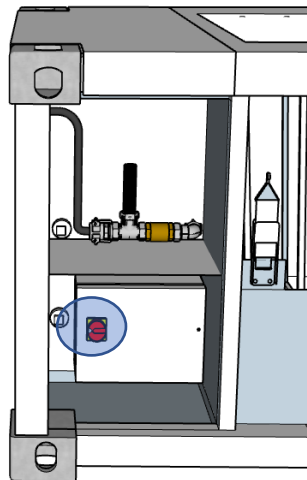
6) Situate and connect CO2 Cylinder (c/w Regulator) to Inlet Hose Tail



7) Connect an RCD protected 110v/16amp Power supply (2.5mm 110V Cable Recommended) (behind Right hand door) MAINS POWER or **MIN 3.4 KVA GENERATOR**



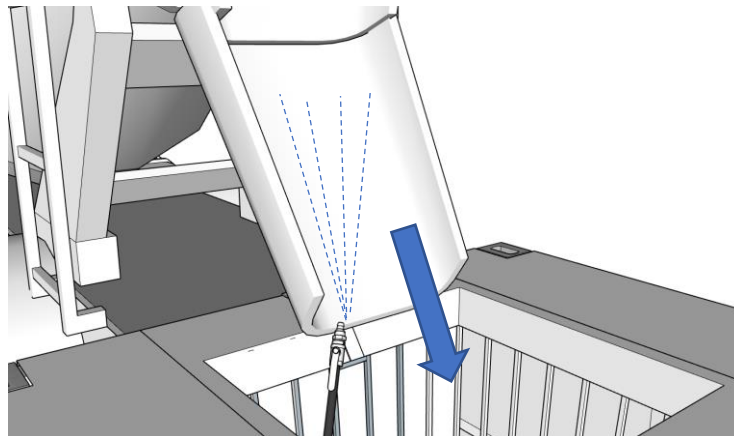
- 8) Switch Power/Isolator Switch on at Electric Box (behind left hand door)



**ON POSITION - TURN
CLOCKWISE TO VERTICAL
POSITION**

CWS ULTRA IS READY FOR USE

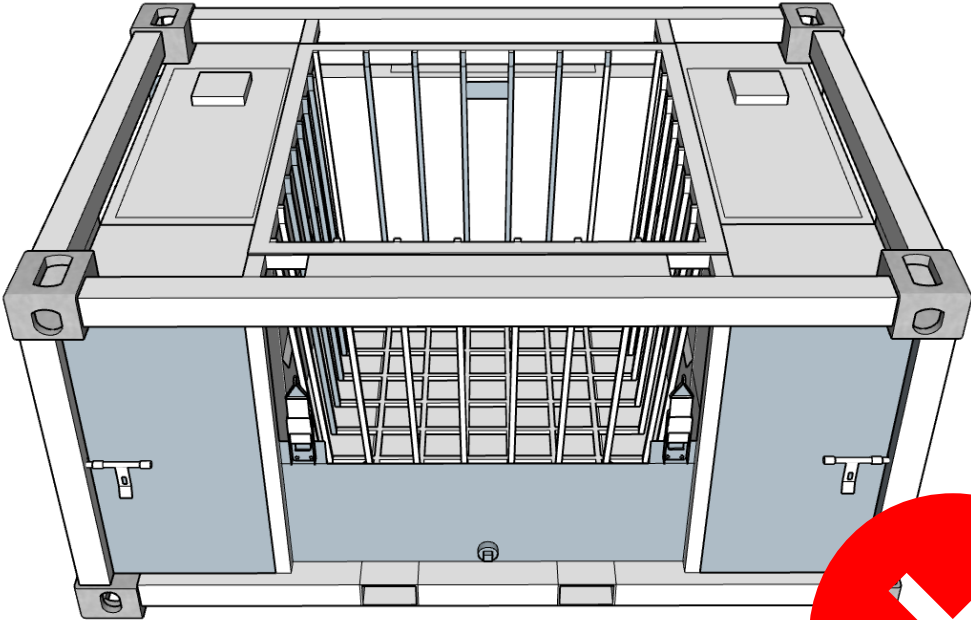
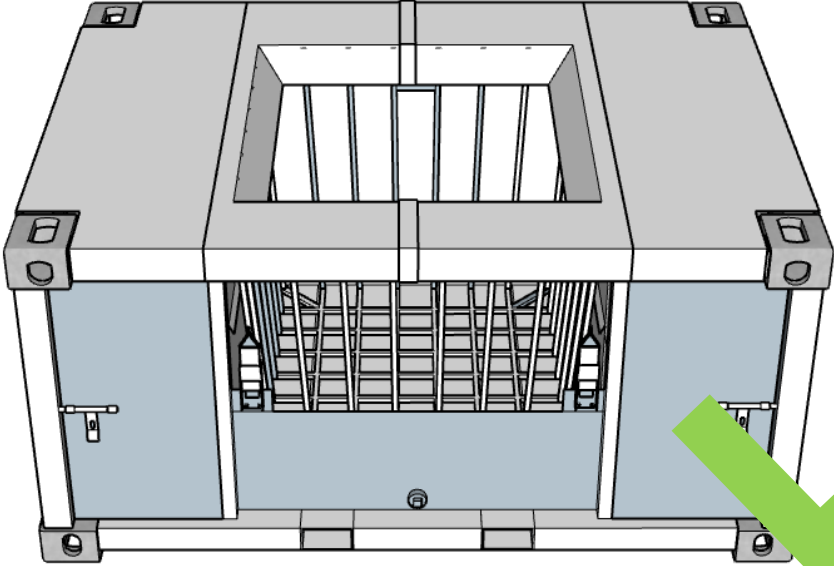
- 9) Turn nozzle on hose and proceed to wash off equipment into Adsorption Sack



- 10) Solids will be retained in Sack. As base begins to fill the submersible pump will kick in, returning the water to the tank.
- 11) CO₂ is automatically diffused into the water in CWS Ultra to neutralise pH.
- 12) When Sack is 3/4 filled with solids, remove with forklift or other lifting device and replace with new sack.
- 13) Replace CO₂ Cylinder when empty

Ensure cover is in place at all times during use

Do not use without cover



CONCRETE ULTRA WASHOUT USER GUIDE

Prior to use

- 1) Kelly Tanks Adsorption Sack should be positioned in Frame. Cover should be on.
- 2) Fill CWS Ultra with approx 1000ltr clean water via Access Cap (located under cover)
If using recycled/washwater to fill system, fill through Adsorption Sack, not via access cap.
- 3) Situate & Connect CO2 Cylinder (c/w Regulator) to Inlet Hose Tail
- 4) Connect **110V/16amp Power supply**, (2.5mm 110V Cable Recommended. Power supply (behind Right hand door) **MIN 3.4 KVA POWER REQUIRED**)
- 5) Turn Isolator to ON Position (behind Left hand door)

IMPORTANT: DO NOT ALLOW WASHWATER TO RUN OVER SIDES OF SACKS OR DIRECTLY INTO BASE
- ALL WASHWATER MUST PASS THROUGH SACK

SYSTEM MUST ONLY BE USED WHEN FITTED WITH A KELLY TANKS ADSORPTION SACK, USING THE SYSTEM WITH NO SACK or ALTERNATIVE SACK WILL CAUSE DAMAGE TO THE SYSTEM AND PUMPS

USING THE WASHOUT

WASHOUT COVER & SACK SHOULD BE IN PLACE AT ALL TIMES WHEN SYSTEM IS IN USE



- 1. ENSURE POWER SUPPLY IS CONNECTED & ISOLATOR IS IN ON POSITION**
- 2. ENSURE CO2 VAPOUR CYLINDER IS IN SITU AND CONNECTED** USING APPROPRIATE REGULATOR & FITTINGS
- 3. ENGAGE AND USE WATER NOZZLE ON HOSE TO WASH OFF EQUIPMENT INTO SACK**

AFTER USE - USE HOSE TO RINSE BASE & SUMP OF WASHOUT



WHEN BASE BEGINS TO FILL WITH FILTERED WASH WATER, THE SUBMERSIBLE PUMP WILL KICK IN AND PUMP WASH WATER BACK INTO SYSTEM FOR CONTINUOUS REUSE

Maintenance

- When Sack is $\frac{3}{4}$ filled with solids, remove with forklift and replace with new sack
- Cage and Submersible pump should periodically be removed and base and sump should be cleaned out to keep system clean and running smoothly
- Replace CO2 Cylinder when empty

System should be rinsed and emptied when not in use.

Should system be used for washing grout equipment: when not in use for periods over 2 hours, the entire system **MUST** be rinsed/emptied.

These instructions are to be used as a guide only, if in doubt please refer to user manual or contact the site supervisor.

For further assistance call **01889 508944** or email info@kellytanks.co.uk

KELLY TANKS

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www.kellytanks.co.uk
info@kellytanks.co.uk
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PLEASE CONTACT KELLY TANKS LTD FOR COPIES OF PUMP OPERATION MANUALS

Washout should be sited on level ground
Washout should always be emptied prior to movement.

WHEN SYSTEM IS IN USE, USE ONLY WATER FROM THIS SYSTEM – USING OTHER WATER SUPPLY
WILL CAUSE OVERFLOW

**SYSTEM MUST ONLY BE USED WHEN FITTED WITH A KELLY TANKS
ADSORPTION SACK, USING THE SYSTEM WITH NO SACK or ALTERNATIVE
SACK WILL CAUSE DAMAGE TO THE SYSTEM AND PUMPS**

Maintenance

See Maintenance Schedule

As with all concrete equipment, we would recommend applying Mould oil or equivalent,
prior to use, to help protect the CWS Ultra from damaging effects of concrete spills/splashes

**DO NOT ALLOW WASHWATER TO FLOW OVER SIDES OF SACK OR DIRECTLY
INTO BASE – ALL WASHWATER MUST PASS THROUGH SACK**

In severe weather, ensure pump is drained to avoid freezing pipes.

If the system is being used for washing grout equipment:

When not in use for periods over 2 hours, the entire system MUST be rinsed/emptied.

**CAGE AND SUBMERSIBLE PUMP SHOULD BE PERIODICALLY REMOVED AND
BASE/SUMP SHOULD BE CLEANED OUT.**

Moving or Transporting the CWS Ultra:

Washout should always be emptied prior to movement.

- Washout can be drained via 2" Socket at base
- Remove Adsorption Sack

**FOR FURTHER INFO/ASSISTANCE CONTACT
KELLY TANKS ON 01889 508944 or
INFO@KELLYTANKS.CO.UK**



**KELLY
TANKS**

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