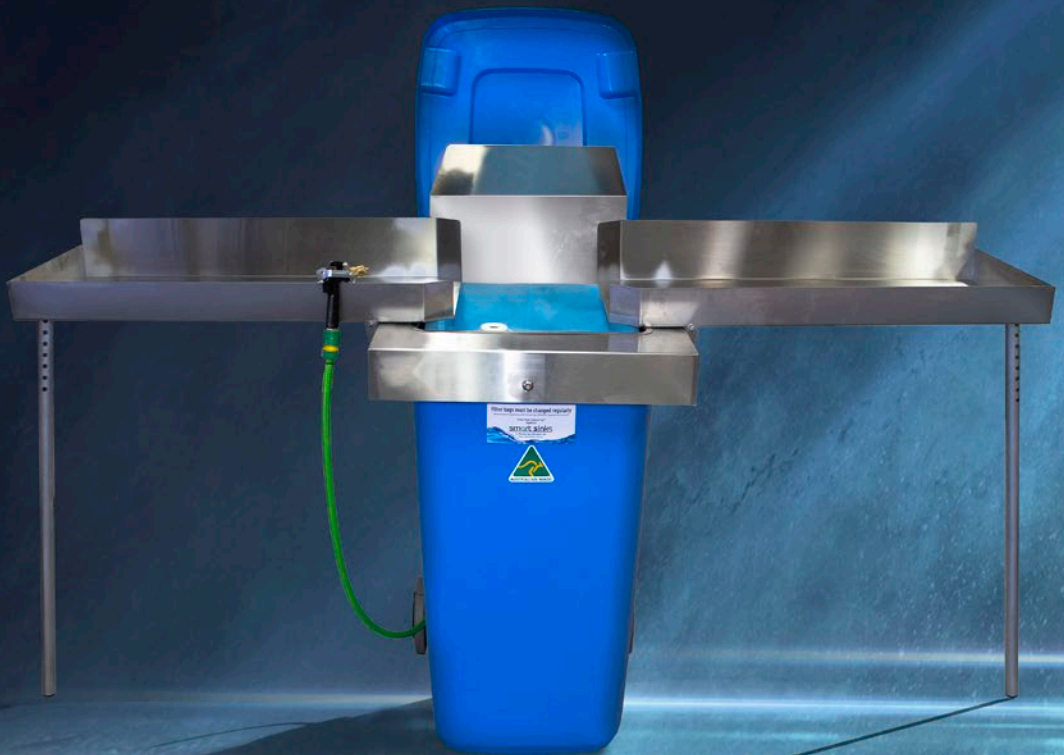


smart sinks®

Waste Water Filtration & Recycling Systems



**Smart Sinks® Tool Washing Station
USER MANUAL & MAINTENANCE GUIDE**





Thank you for purchasing the Smart Sinks® Tool Washing Station - Filtration and Recycling Station.

Please read and follow these user instructions carefully to ensure maximum efficiency and a long service life for the machine.

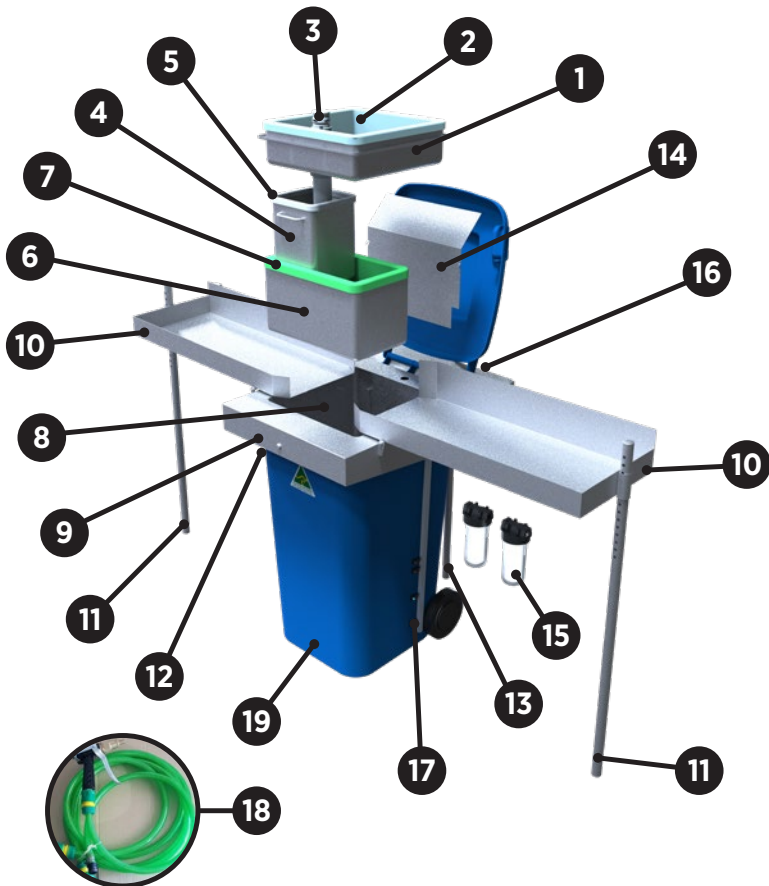
Information can also be accessed via the QR Codes located on the Smart Sinks® unit.

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LIST OF COMPONENTS

1. Top (WORKING) Sink
2. Top (BLUE) Filter Bag
3. Valve
4. Middle (SQUARE) Sink
5. Middle (WHITE) Filter Bag
6. Lower (RECTANGULAR) Sink
7. Lower (GREEN) Filter Bag
8. Bottom (HOUSING) Sink
9. Mounting Collar
10. Side Tables
11. Side Table Support Legs
12. Power Supply
13. Rear Support Leg
14. Splashback
15. Rear Filters (5uM & 1um)
16. 12-Volt Pump & Control Box
17. Water Level Warning Lights
18. Hoses
19. Sump



ASSEMBLY INSTRUCTIONS

Smart Sinks™ Filtration & Recycling Unit (SSWB16-240L)

1. Remove the Smart Sinks™ - PPST™ Wheelie Bin from packing.
2. Set up Smart Sinks™ Wheelie Bin making sure it is located on level floor/ground.
3. The unit requires a minimum of 20 litres of water in the sump for stability (use the warning lights on the side of the unit bin to monitor the amount of water in the unit).
4. Install the rear stability leg and lock it into place with D clip through holes.
5. Remove the top working sink to provide access to the lower sinks for fitting filter bags.
6. Place a large green filter bag into rectangular sink and place rectangular sink into the lower housing sink, using the guides to locate position.
7. Place a small white filter bag into the small square sink and place into the rectangular sink, using guides to locate position.
8. Fill the small square sink with water, allowing to overflow into the rectangle sink, the bottom housing sink and then into sump (bottom of bin) until second blue water level light on the side of the unit is on.
9. Install the valve assembly into the top working sink.
10. Place a funnelled blue collection bag into the top working sink, being sure to tighten the cord to secure it around the top of the valve assembly.
11. Place working sink into the unit, ensuring that the bottom of the valve assembly goes into the small square sink below.
12. Attach the left and right side tables, ensuring that the high splashbacks are located at the rear of each side table.
13. Fit splashback between side tables and ensure that the rear cover for the pump and 12-Volt system is also in place. The system WILL NOT WORK without the cover and splashback in position.
14. Insert the side table support legs through the sleeve at the outer end of each side table and set at the required height by inserting the D clips through the appropriate height hole on each support leg.
15. Insert the 1µm and 5µm filter cartridges into the filter housings on the back of the unit.
16. Plug the power supply lead into a Safety Box with Safety Switch.
17. To activate the unit, squeeze the handle on the trigger nozzle, directing the flow back into top working sink. Water may not flow immediately as it can take some time to flush air from a newly set system's hoses and filters.
18. For safe operation, always ensure the unit has sufficient water (at least 20 litres) in the sump and the back stability leg is fitted. The lighting system on the side of bin indicates the level of water in bin.
19. Always check filters and filter bags and change as per operating instructions.
20. Personal protection equipment (PPE) is recommended.
21. If WARNING SIREN activates, it is a signal that the sump is at full capacity and some water needs to be removed. Use the trigger nozzle to pump filtered water from the sump. The SIREN will stop making noise once sufficient water has been pumped from the system.

PRIMARY EQUIPMENT FUNCTION

This unit is NOT A DUMP STATION. It is designed for the washing of tools only - e.g. Plastering tools, Concrete tools and Tiling tools - excess product should be scraped from tools into builders waste bin prior to washing.

The Smart Sinks® unit machine will collect excess sediment, while filtering and recycling the wash water. It provides an environmentally sound solution for reducing

excessive water use and preventing sediment waste from being discharged illegally onto the ground or into the drainage system.

Intentional misuse or incorrect use of the Smart Sinks® unit - including failure to change filter bags and filter media at recommended intervals and/or failure to use the correct Smart Sinks® filter bags and filters - will VOID THE WARRANTY.

CORRECT OPERATION

- The Smart Sinks® Tool Washing Station will deliver the best results when set up as directed.
- Set up on level floor or ground
- Attach side tables and legs including the stability leg at rear
- Start with 20 litres in the sump for stability, then add the remainder as per ASSEMBLY INSTRUCTIONS (Page 3).
- Ensure that the splashback and rear cover for 12-Volt Pump and Control Box is in place. Failing to do this will prevent the unit from working.
- Attempts to modify the safety switch or operate the unit without the splashback cover in place will VOID THE WARRANTY.
- Ensure all filter bags (Blue, Green and White) are in place and filter media (1 x 1uM and 1 x 5uM) is correctly installed in the clear filter housings.
- Make sure the housings are tight (DO NOT OVER-TIGHTEN). When changing or installing filter media, it is RECOMMENDED that a thin smear of rubber grease is applied to black 'O ring' before re-attaching the filter housing.
- Connect all hoses - Pump outlet connects to the 5uM filter and the trigger nozzle and hose attached to the 1uM filter.
- Fill with approximately 60 litres of water in total prior to use. Fill the white bagged sink, letting it flow over into the green bagged sink then down into the sump, checking little LED lights on side of bin. NOTE: if too much water is placed into the unit, a warning SIREN will sound and some water will need to be pumped out prior to use (use the trigger hose to empty excess water into a bucket or drain).
- To TURN ON, ensure plug is connected to a Safety Box (with Safety Switch) and switched to ON position.
- Your Smart Sinks® Tool Washing station can be secured to prevent unauthorised use, with the optional padlock and stainless steel loop cable .

SHUTDOWN PROCEDURE

- Release the trigger nozzle to stop water flow.
- TURN OFF power using button located on the side of the mounting housing and UNPLUG from Safety Power Box.

MAINTENANCE

These simple maintenance procedures **MUST BE COMPLETED** as required so as to not void your warranty

BAGS

- Bags are single use only, and may be disposed of in solid waste bin. They **MUST BE CHANGED AS FOLLOWS** using **ONLY** Smart Sinks® approved filter bags.
- Failure to use the correct filter bags and media will negatively impact performance and will **VOID YOUR WARRANTY**.

WHEN TO CHANGE FILTER BAGS

- Blue (Part # TRB15) daily (if in heavy use more often)
- White (Part # SRFB10) weekly (if in heavy use more often)
- Green (Part # LFB10) weekly (if in heavy use more often)
- **NOTE: NO BAG MUST STAY IN UNIT FOR MORE THAN 14 Days**

REAR FILTERS

- Smart Sinks® filters are single use only, and may be disposed of in solid waste bin. They **MUST BE CHANGED AS FOLLOWS** using **ONLY** Smart Sinks® approved filter media.
- 1 x 5uM (Part # SPC18/5) check weekly, change as needed (no more than a month)
- 1 x 1uM (Part # SPC18/1) check weekly, change as needed (no more than a month)
- Having clear filter housings makes it easy to check the rear filters
- Check weekly but again it will be dependent on the volume of use to when they need changing.

IN-LINE FILTER (located in the the covered pump and control box area)

- Always a good idea to check when doing your weekly clean and check.

Remember this is a cleaning collection unit so the more actively you look after it the more efficient it will be. Failure to follow these recommendations could result in unwanted odour, substandard water recycling and/or failure of the system, and may ultimately void the warranty.

Intentional misuse or modification of any components, or failure to use approved Smart Sinks® Filter Bags, Filter Media or components will **VOID THE WARRANTY**.



**For further information,
SCAN THE QR CODE
to watch a short
instructional video:**



TROUBLESHOOTING

12-Volt Pump and Control Box

The 12-Volt Pump and Control Box are housed above the rear filter, underneath the splashback cover. The unit WILL NOT OPERATE if the rear cover is not in place.

If the 12-Volt Pump is making noise, but not pumping:

- Check the trigger nozzle end is turned to the open position at front end
- Check all filter bags and filter cartridges are clean
- If all of the above are good, it may be a failure of the pump diaphragm. Please contact your local Smart Sinks sales and service representative on: **1300 SSINKS** (1300 774 657)

Power Box and 12-Volt Control Box (240-Volt Mains Powered Unit)

If your Smart Sinks® unit appears to have no power (e.g. not pumping / no pump sound / LED light on side of bin not working):

- Check that the 240-Volt plug is connected to your Safety Box and turned on. (On newer units, the Power Box is now separate from the Control Box and can be found on the left-hand side of the bin under the stainless steel mounting plate)
- Check that the Safety Switch on supply is not tripped.
- Check fuse in the 12-Volt Control Box. If the fuse is blown, replace it with a 7.5A long glass fuse.
- If all of the above are good, it may be a failed transformer or other issue with the power box internal components. Please contact your local Smart Sinks sales and service representative on: **1300 SSINKS** (1300 774 657).



BACK

FRONT

TO REMOVE THE PUMP
undo the four nuts on top of rubber feet and lift it off.

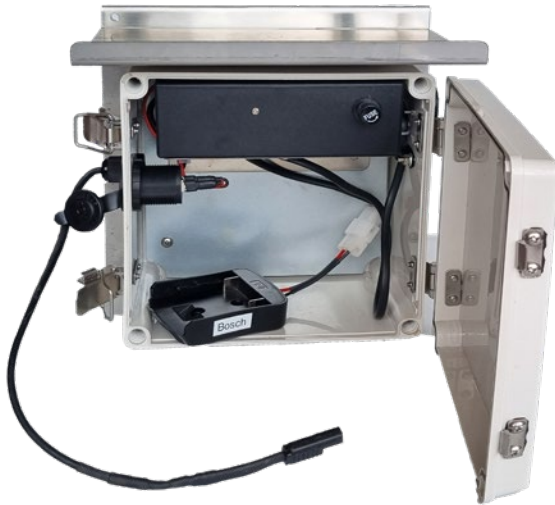


TROUBLESHOOTING

Power Box and 12-Volt Control Box (12-Volt Rechargeable Battery Powered Unit)

If your battery-powered Smart Sinks® unit appears to have no power (e.g. not pumping / no pump sound / LED light on side of bin not working):

- Check that the rechargeable battery is seated securely in the battery base.
- Check that the 12-Volt power supply cable from the Battery Box is securely connected to the 12-Volt Control Box.
- Check the fuse in the 12-Volt Battery Box. If the fuse is blown, replace it with a 7.5A long glass fuse.
- Check the fuse in the 12-Volt Control Box. If the fuse is blown, replace it with a 7.5A long glass fuse.
- If all of the above are good, it may be an issue with the Power Box internal components.
- Please contact your local Smart Sinks sales and service representative on: **1300 SSINKS** (1300 774 657).



For further
troubleshooting,
SCAN THE QR CODE
to watch a short video:



TROUBLESHOOTING

Air Lock in Rear Filters

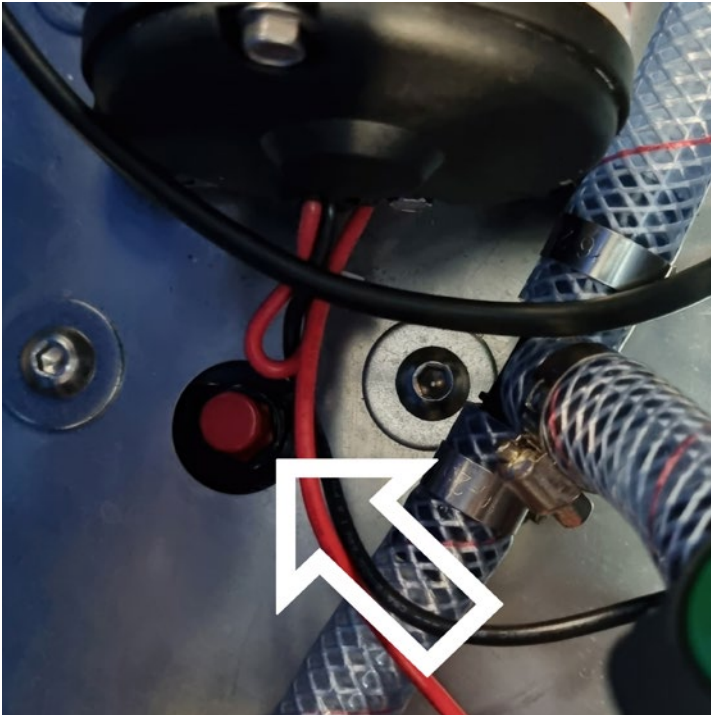
If your Smart Sinks® unit isn't pumping water through the hose nozzle, or the water pressure is extremely low, there may be an airlock in the rear filters. To resolve the issue:

- Check that there is sufficient water in the unit (the water level is indicated by the LED lights on the side of the bin).
- Locate the RED BUTTON (air release bleed button) above each of the rear cartridge filters (1uM and 5uM filters). These can be found in the rear of the control box area.

- Depress the button and activate the trigger hose to bleed the air from the filter and line

If this does not resolve the issue, please contact your local Smart Sinks sales and service representative on:

1300 SSINKS (1300 774 657).



TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Water Not Draining	<ul style="list-style-type: none"> • Valve maybe clogged • Bag/s full • Rear Cartridge/s full 	<ul style="list-style-type: none"> • Remove Valve and check • Check and change Bag/s • Check and change Cartridge/s
Dirty Water	<ul style="list-style-type: none"> • Full Bags or Filters • Excess Sediment in Sump 	<ul style="list-style-type: none"> • Check Bags and Filters • Check Sump • Check and change Bag/s & Cartridge/s • Check Sump for excess sediment
Low Water Pressure	<ul style="list-style-type: none"> • Dirty rear filters • Pump may need re-priming • Dirty Inline Filter 	<ul style="list-style-type: none"> • Check and change Rear Filters • Remove all sinks to expose Sump and check for excessive sediment. Clean and reinstall sinks. • Check Inline Filter. Clean Inline Filter by squeezing sides together to release top, pull out and clean.
Siren Screaming	<ul style="list-style-type: none"> • Unit is full 	<ul style="list-style-type: none"> • To stop noise squeeze trigger into bucket
LED Lights	<ul style="list-style-type: none"> • Blue Top • Blue Middle • Blue Bottom 	<ul style="list-style-type: none"> • Siren will be screaming as unit is too full • Unit is at ideal level • Unit is low on Sump water
No Power	<ul style="list-style-type: none"> • Not plugged In 	<ul style="list-style-type: none"> • Check switch on Safety Box • Check On/Off button located on the side of the mounting housing • Check blue LED lights
Excess Sludge	<ul style="list-style-type: none"> • Excess Sediment in Sump 	<ul style="list-style-type: none"> • Lack of regular maintenance will void warranty • Suck out with wet vac - can be emptied back into top sink to collect sediment
Nozzle Dribbling	<ul style="list-style-type: none"> • Front end of nozzle turned off 	<ul style="list-style-type: none"> • Check all Bag/s & Cartridge/s are clean • Inline Filter clean • Check all connections are not sucking air
Rear Filtering Housings Leaking	<ul style="list-style-type: none"> • Housing Loose 	<ul style="list-style-type: none"> • Check O ring is in place • Check housing is tight • Wipe rubber grease on O ring
Pump making noise but not pumping	<ul style="list-style-type: none"> • Possible diaphragm damage 	<ul style="list-style-type: none"> • Possible new diaphragm
No blue lights on side of bin	<ul style="list-style-type: none"> • 12-Volt Control Box 	<ul style="list-style-type: none"> • Check power plugged in
Water not Flowing	<ul style="list-style-type: none"> • Air Lock in rear filters 	<ul style="list-style-type: none"> • Press RED bleed buttons in rear of control box area (above cartridge filters)

FREQUENTLY ASKED QUESTIONS

How do I fill up the sink?

There are two ways to fill up the sink which has a 60 litre capacity

1. Pour buckets directly into the top blue filter (approx. 5 regular topping buckets) – turn the machine on and allow to run for a couple of minutes before use to prime the filters.
2. Attach a hose to the connector on the back housing where the pump is located, ensure the tap is in the open position and the small clear filter plate is clean. (This fills the sink up filter first and can be used straight away as its already primed).

With both methods, the machine needs to be turned on. Fill the sink until the 3rd light comes on, which is located on the side of the bin. These lights are water level sensors, where:

- the 1st light signals that the sump is full and the sink is stable,
- the 2nd light signals that there is minimum water level to operate,
- the 3rd light is the ideal water level to operate,
- the 4th light (which also has an audible alarm) signals that the sink is too full, and water needs to be sprayed out of the machine.

How often should I empty the sink?

Depending on use, we recommend emptying the sink every 1 to 2 weeks. This is as simple as spraying the water into buckets and pouring them into a drain as it is Trade Waste approved. When there is no more water left, simply refill the sink with the tap water available on site.

You should empty the sink to avoid stagnant water, as regardless of water quality, stagnant water will smell.

Does it require any chemicals to add?

No chemicals are needed with this sink design. The whole system is run off filters and avoids the use of messy or harmful chemicals.

How often should I change the filters?

The filters are disposable and need to be regularly changed to ensure the sink works efficiently. We do not recommend washing the bags and reusing them, as this can damage the bags and cause larger particles to filter through, reducing the integrity of the system.

The Blue Filter Bag should be changed daily.

The white filter bags should be changed Weekly

The green filter bags should be changed fortnightly

The filter cartridges should be changed monthly.

These are a guide and are subject to use. Visual checks should always be performed to see if the bags are causing blockages with excess material.

Where do I buy more filters?

You can order more filters by simply contacting sales@proplaster.com.au or by calling 1300 PRO PLASTER.

What happens if the painters use it?

The current system is not designed for oil-based products like paint, this causes properties of the paint to bypass the filters and damaged the cartridges on the back of the sink. A clear way to see if this has occurred is a 'milky' look to the water in the back cartridges. The paint also blocks the pump causing pressure loss and a stagnant smell.

A unique filter is currently being designed to absorb the paint properties, so stay tuned for a painter friendly version of smart sinks!

FREQUENTLY ASKED QUESTIONS

Who can use it?

The current design of the sink is ideal for plasterers, tilers and concreters. Unfortunately, the design isn't suitable for painters yet - a paint friendly version is currently being developed.

Does it smell?

The Smart Sink is completely odourless! Making it unique to many of the Washbay used or made on site. If the Sink does start to smell check the following:

1. Refresh the water in the sink - empty the contents into a trade waste approved drain and refill the sink.
2. Check the filter bags are clean and don't need replacing.
3. Check that Painter haven't used the sink and blocked the pump in the sump (by removing the collection units).

What is the water pressure like on the hose?

Recent changes in the nozzle have been made to ensure that there is enough water pressure for effective tool washout.

*As always, dump most of the excess product in a suitable bin before washing out the tool.

What do I need on site to use a Smart Sink?

No plumbing is needed for the sink to operate, the only thing needed is a power source of 12V, making it completely portable on a job site.

A water source is required to initially fill up the machine, whether that's on or off site.

How to transport the sink?

As the base design of the sink is a wheelie bin, the makes it easily transported in the back of Ute or truck.

It's heavily recommended to empty the sink of water before transporting. The sink ideally should be upright but it can be led on its side. Avoid lying the sink on its back which will put unnecessary pressure on the back filter cartridges.

The wash trays can be easily removed to slim the machine down or to reduce the weight.

What makes it different to wash bays out there?

The Smart Sink is a completely portable Washbay that only needs 1 power source. Allowing it to be moved around the site reducing hours lost in labour a week.

Multiple trades can use the sink, from Concreters, Tilers, Plasterers etc

It's easily transported from site on the back of ute.

It's Reliable - low maintenance and little moving parts means that in the 3 years they've been operating -we've yet to have one break.

It's odourless.

It's Eco-Friendly - The Smart Sink is an award winning Washbay. Wining an award every year for the last 3 years since it's been operational. The most recent award is the "Most Eco-friendly Tool Washing System" 2020 at the Build Constructions and Engineering Awards - an global competition.

WARRANTY

These Terms govern the supply of the Product (being the product of products described in the Invoice to which these Terms are attached) by Smart Sinks to the Customer (being the person described as such in the Invoice to which these terms are attached).

1. Risk in the Product passes to the Customer upon delivery of the Product to the carrier. Delivery of the Product is at the Customer's sole risk. It is recommended that the Customer carefully inspects the Product on delivery and reports any damage during transit to the carrier.
2. Smart Sinks provides a warranty in respect of stainless steel parts, the valve system one (1) year the 12volt pump and 12v power box in the Product for a period of following date of invoice against manufacturer defect only. Without limitation, the warranty excludes:
 - a. any other component of the Product;
 - b. damage or loss due to any cause other than manufacturer defect including normal wear and tear, accident, solvents or cleaning materials abuse, misuse or improper application or installation or failure by the customer or its employees, agents and contractors to adhere to the instructions enclosed with the Product or as directed by Smart Sinks or an authorised Smart Sinks supplier;
 - c. consequential loss as a result of defects including costs involved in installation.
3. Prior to and as a pre-condition for approving any claim under this Warranty:
 - a. The Customer must notify Smart Sinks of a claim under this Warranty within fourteen (14) days of the Customer becoming aware of the defect;
 - b. A claim under this warranty must be accompanied by the original invoice for the purchase of the Product along with evidence of the date and place of purchase of the Product;
 - c. The Customer must provide such information as Smart Sinks reasonably requires relating to the installation and use of the Product prior to the warranty claim;
 - d. The Customer must, at the Customer's cost and risk, return the Product to Smart Sinks for inspection. If the Product has been installed, Smart Sinks may approve a warranty claim if suitable photographic evidence of the defect in the Product is provided to Smart Sinks by the Customer.
4. Once Smart Sinks has approved a warranty claim in accordance with these Terms, Smart Sinks may, at its discretion:
 - a. repair the Product;
 - b. replace the Product; or
 - c. refund the purchase price for the Product, and Smart Sinks doing one of the above is in full and final satisfaction of Smart Sink's liability under this warranty. Any transport costs in relation to the Product must be borne by the Customer.
5. Except to the extent specifically set out in this document, any warranty or other representation in relation to the Product is hereby excluded except to the extent that such warranty or representation is imposed by law and may not be lawfully excluded.
6. While Smart Sinks takes reasonable care in describing the Product and providing information, no warranty can be given as to the accuracy of the information and the Customer must make its own enquiries in relation to the Product and acknowledges that it does not rely on the skill and judgment of Smart Sinks in deciding to acquire the Product.
7. If the supply of the product is subject to the compulsory application of the Australian Consumer Law, Smart Sink's liability for breach of a condition or warranty implied by that law is limited to the extent permitted by law to whichever of the following options or combinations of options Smart Sinks chooses:
 - a. either the replacement of the Product or the supply of an equivalent Product; or
 - b. the payment of the cost of replacing the Product or acquiring an equivalent Product.Subject to this clause 7 and any other law having compulsory application, Smart Sinks is not responsible to the Customer for:
 - a. any loss in connection with the supply of the Product, not directly caused by the negligent, wilful or reckless act or omission of Smart Sinks, its employees or agents, and whether arising in agreement, tort or otherwise, except to the extent of warranties, undertakings and promises expressly made by Smart Sinks in writing and forming part of these Terms;
 - b. any loss arising out of any fault or defect in the Product not directly due to the negligent, wilful or reckless act or omission of Smart Sinks, its employees or agents;
 - c. any representations made by or on Smart Sink's behalf which are not in writing and expressly included in these Terms;
 - d. any statement or recommendation made, or advice, supervision or assistance given by Smart Sinks, its employees and agents whether oral or written;
 - e. any delay or failure in making the Product available, or default, or failure in performance of the Product because of circumstances beyond Smart Sinks' control including acts of God or of another person, natural disaster or disasters caused by man or animal or machinery or circumstances partly of one kind and partly of another;
 - f. any liquidated damages claimed by the Customer for any reason.
8. These Terms may not be varied except in writing signed by the parties including that no employee or agent of Smart Sinks has the authority to vary any of these Terms.
9. If any provision of these Terms is held by a Court to be unlawful, invalid, unenforceable or in conflict with any rule of law, statute, ordinance or regulation, the validity and enforceability of the remaining provisions shall not be thereby affected.

HOW TO MAKE A WARRANTY CLAIM

If a fault has occurred within the warranty period, the consumer can make a claim by adhering to the following.

- Stop using the Smart Sinks® unit immediately to avoid further damage to machine.
- Contact Smart Sinks® at: info@Smartsinks.com.au or alternatively by returning the Smart Sinks® Unit to the place of purchase and contact can be made.

Our goods come with guarantees that cannot be excluded under Australian Consumer Law. You are entitled to have the goods repaired, replaced or a refund for a major failure.

CONSUMABLES AND SPARE PARTS

Smart Sinks® Filter Bags

- Blue (Part # TRB15) daily (if in heavy use more often)
- White (Part # SRFB10) weekly (if in heavy use more often)
- Green (Part # LFB10) weekly (if in heavy use more often)

Smart Sinks® Rear Cartridge Filters

- 1 x 5uM (Part # SPC18/5) check weekly, change as needed (no more than a month)
- 1 x 1uM (Part # SPC18/1) check weekly, change as needed (no more than a month)

These consumables and all spare parts are readily available from the Exclusive Australian National Distributor:

PRO PLASTER PRODUCTS PTY LTD

W: www.proplaster.com.au

T: 07 3906 4262

smart sinks®

Waste Water Filtration & Recycling Systems

SAVE **WATER**

SAVE **WASTE**

SAVE **TIME**

100% **MOBILE**



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and troubleshooting,
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