



A product of



iEarth Pty Ltd (Aust)

Installation Guide and Warranty Manual for Water Tanks & Pumps

Table of Contents

•1.0 Introduction & General Notes	Page 1
•2.0 Installation Guide	
•2.1 Rainwater Tanks	Page 2
•2.2 Joining Multiple Tanks	Page 2
•2.3 Water Pumps	Page 2
•2.4 Important Notes – Tanks and Pumps	Page 2
•2.5 Running PVC Pipe from Gutter to Water Tank	
•2.5.1 Tools Required	Page 3
•2.5.2 Materials Required	Page 3
•2.5.3 Installation	Page 3-4
•2.5.4 Important Notes	Page 4
•2.6 Rainwater Tank Over Flow Pipe Work	
•2.6.1 General	Page 4
•2.6.2 Installation	Page 4
•2.6.3 Important Notes	Page 4
•2.7 Rainwater Tank Gauge	
•2.7.1 Installation for ITG Tanks	Page 5
•2.7.2 Installation for Other Tanks	Page 5
•2.8 Rainwater Tank Tap	
•2.8.1 Installation	Page 6
•2.9 Connection from Rainwater Tank to Pump	
•2.9.1 Materials Required	Page 6
•2.9.2 Installation	Page 6
•2.9.3 Important Notes	Page 6
•3.0 Warranty Terms & Conditions	
•3.1 Rainwater Tanks	Page 7
•3.2 Pumps	Page 7
•3.3 Important Notes	Page 7

Important Notice

This instruction manual is provided as a guide to assist you in installing your rainwater tank and associated pumps for domestic use only such as watering your garden and lawn. Infinity Trading Group Pty Ltd, iEarth Pty Ltd or Infiniti Stone, its Directors and any of its servants or agents (us) take no responsibility for any actions you take as a result of these instructions. Installation of the rainwater tanks are solely at your own risk and will not hold us liable against any Claims for loss, damage, cost or expense whether direct, indirect or consequential (including for loss of profits, business or anticipated savings) brought, made or threatened against us by any third party arising directly or indirectly due to using this manual. We recommend that you consult with your local council, water authority or any other body that has jurisdiction over the installation of rainwater tanks in your area.

1.0 Introduction & General Notes



- ▶ The purpose of this Installation Guideline and Warranty Manual is to ensure the purchaser understands and adhere to specific instructions prior to operating the purchased product from us. This will ensure the product is installed properly for its intended use.
- ▶ This instruction manual includes but are not limited to items shown herein.
- ▶ Failure to follow these instructions and comply with all applicable codes may cause serious bodily injury and/or property damage.
- ▶ Without limiting the purchaser's entitlements under the Trade Practices Act (Aust) and the Goods & Consumer Protection Legislation of the various Australian States, Infinity Trading Group shall not be liable for any loss of profits or any consequential, indirect or special loss, damage or injury of any kind whatsoever arising directly or indirectly from the product or any defect.
- ▶ Any warranty is subject to due compliance by the purchaser with all directions and conditions set out in the Installation Guidelines Manual. Non-compliance with these guidelines, damage or breakdown caused by wear and tear, negligence, misuse, incorrect installation, chemical or additives in the water, inadequate protection against freezing, rain or other adverse weather conditions, corrosive or abrasive water, lightning or high voltage spikes or through unauthorised persons attempting repairs are not covered by the warranty.
- ▶ For prolonged life of our pumps, it is recommended that the installed pumps are protected with a pump enclosure which is to be water proofed, frost free and has adequate ventilation. Please note however that some insects, such as small ants, find electrical devices attractive for various reasons. If your pump enclosure is susceptible to insect infestation you should implement a suitable pest control plan.
- ▶ It is recommended the electrical and plumbing connections and checks are to be installed by qualified and licensed electricians and plumbers respectively and comply with applicable local standards and codes. If unsure, please contact your local Council.

2.0 Installation Guide

2.1 Rainwater Tanks:-

- ▶ Infinity Trading Group polyethylene tanks or any other rainwater tanks distributed by us are designed exclusively for above ground static water storage only.
- ▶ It is the sole responsibility of the purchaser, or their agent to ensure the site has been prepared correctly, in accordance but not limited to these instructions and is maintained on an ongoing basis.
- ▶ Tank site must be level and smooth. Concrete or compacted site must be solid and must be at least the same size as the footprint of tank. Tank site must be of sufficient thickness and suitably reinforced to support the tanks weight when full. Please consult with qualified consultants if unsure.
- ▶ Tanks installed in buildings should be in a bunded area to prevent flooding in the advent of the inlet strainer becoming blocked or during heavy rain events. Tanks must be installed by a suitably qualified tradesperson according to regulations applicable to the local area.
- ▶ Tank inlet pipe diameter should not exceed the overflow pipe diameter to prevent water back flowing out of the strainer. Leave enough space from the end of the inlet pipe so that the inlet strainer may be removed for cleaning. It is the purchaser's responsibility to periodically check the inlet strainer and clean as required.
- ▶ Tank overflow must be directed clear of the tank base to prevent washing away of the base. See separate installation guide for overflow pipe work connections.

2.2 Joining Multiple Tanks:-

- ▶ Multiple tanks may be connected together, using the bottom outlets, providing the bases of the tanks are at the same level. It is recommended to install valves at each tank outlet so tanks can be isolated.

2.3 Water Pumps:-

- ▶ Before installing your new pump, please read all manufacturer's instructions carefully as failures caused by incorrect installation or operation are not covered by the warranty. Your pump is designed to handle clean water. The pump should not be used for any other purpose without specific referral to Infinity Trading Group.
- ▶ Choose a site with a firm base and as close to the water source as possible with correct power supply. Make sure your pump is always connected to an adequate, reliable source of clean water.
- ▶ Appropriate details for all of these items are contained in the following Installation and Operating Instructions. Read these in their entirety before switching on this pump. If you are uncertain as to any of these Installation and Operating Instructions please contact the manufacturer in accordance with contact details in the box.
- ▶ Ensure outlets and valves nearest to pump and tank are open.
- ▶ Ensure all valves in suction line are open.
- ▶ Switch on power - A full flow of water should be discharged from the pump outlet.
- ▶ If the pump stops with the tap open see manufacturers troubleshooting checklist.

2.4 Important Notes for Tanks and Pumps:-

- ▶ Prior to using our rainwater tanks and/or pumps you must ensure that:
 - ▶ The pump is installed in a safe and dry environment.
 - ▶ The pump enclosure has adequate drainage in the event of leakage
 - ▶ The pipe-work is correctly sealed and supported
 - ▶ The power supply is correctly connected
- ▶ All steps have been taken for safe operation
- ▶ Failure to comply with any of the above will void the Warranty

2.0 Installation Guide Continued.

2.5 Running PVC Pipe work from Gutter to Rainwater Tank: -

2.5.1 Tools required includes but are not limited to the following:

- ▶ A Hacksaw – to cut the downpipe and PVC pipes
- ▶ A safety Ladder – to reach height of downpipe and gutter
- ▶ A spirit level to ensure the pipe runs at a slight angle (downwards towards your new tank)
- ▶ A drill, screwdriver, spanner – for installation PVC pipe support brackets
- ▶ A Tape measure – to measure required PVC pipe lengths.
- ▶ Safety gloves, eyewear, boots to be worn as required.

2.5.2 Materials required includes but are not limited to the following:

- ▶ 90mm Diameter PVC pipes. It is recommended that you should allow more than required for wastage and errors in measurement)
- ▶ Self tapping metal screws to screw the PVC pipe connector to the metal flange hanging from the existing gutter.
- ▶ PVC adhesive to glue the PVC pipe joins.
- ▶ PVC pipe metal support holders and brackets to fix pipe to existing wall/ceiling.
- ▶ PVC elbows and connectors to suit 90mm Diameter pipes

2.5.3 Installation of PVC Pipe work

- ▶ Locate your nearest downpipe



- ▶ Identify quantities of PVC connectors, elbows and length of pipes and purchase all required pipe work accordingly.
- ▶ Lay out on a flat surface all the required pieces you have the correct pieces. Note do not cut the pipes at this stage.



- ▶ Remove the existing downpipe to reveal the metal flange.



2.0 Installation Guide Continued.

2.5 Running PVC Pipe work from Gutter to Rainwater Tank Continued:-

2.5.3 Installation of PVC Pipe work Continued

- ▶ Drill the PVC connector and existing gutter metal flange, including all support holders and brackets as required and screw into place.



- ▶ Put the PVC connector, elbows, cut pipes to suit required lengths and fix to elbows progressively (do not glue yet). Ensure all connections are correct, making sure the angles and lengths are adequate. If correct then remove the connected pipe work and adhere to the joins and reconnect all pipe work again doing this progressively.
- ▶ You have now completed your pipe installation to your new Tank.

2.5.4 Important Notes:

- ▶ Connect your pipe work piece by piece commencing from the downpipe/gutter metal flange.
- ▶ Identify number of corners as this will give you the quantity of elbows required.
- ▶ Ensure you carry out a dry test with all pipe work connected before adhering the joins
- ▶ Ensure there is a slight angle downwards towards your tank catchment.

2.6 Rainwater Tank Overflow Pipe work:-

2.6.1 General:

- ▶ Whenever your rainwater tank gets full, it will need to be diverted elsewhere. The most common solution would be to divert back to the existing stormwater system. You will need to purchase an overflow screen and PVC pipe work. We recommend you consult a licensed plumber to ensure compliance with local regulations and codes.

2.6.2 Installation :

- ▶ Drill a hole through the top vertical face of the water tank with an 89mm hole saw. We recommend drilling the hole at the end nearest to the existing stormwater pipe.
- ▶ Using a rubber mallet, tap the overflow screen fitting into the hole.
- ▶ Apply a waterproof sealant between the tank and screen to seal it. Connect a 90mm stormwater overflow pipe into the overflow screen and reconnect back to the existing downpipe you previously cut or alternatively, remove the downpipe to expose the Stormwater pipe at the bottom (this may require digging to expose the Stormwater pipe). Follow the pipe work connection in accordance with previous guidelines.

2.6.3 Important Notes:

- ▶ If digging, be careful not to break the PVC stormwater pipe work by hitting and cracking same

2.0 Installation Guide Continued.

2.7 Rainwater Tank Gauge:-

2.7.1 Installation for ITG Tanks only:

- ▶ Our water gauge comes in three parts 1) Top Director (no valve), 2) Bottom Director (with valve) and 3) Clear PVC pipe.



- ▶ Drill a hole through the two plastic bungs sitting behind the existing brass threaded 25mm holes on the side of the tank with an appropriate diameter hole saw.
- ▶ Wrap the male threaded end of the top and bottom directors with Nylon taping.
- ▶ Fit the top director to the top existing threaded hole and turn clockwise until it is tight and pointing vertically downwards.



- ▶ Fit the bottom director to the bottom existing threaded hole and turn clockwise until it is tight and pointing vertically upwards.



- ▶ Slip the clear pipe into the bottom director female end, then the top director female end whilst simultaneously using your other hand, bending the middle of the pipe very slightly until both ends have slotted in. Be careful when bending the clear PVC pipe as the pipe is fragile and may crack if



- ▶ You have completed this task.

2.7.2 Installation for other Tanks:-

- ▶ Using a hole saw, drill a hole at the top of the water tank, just large enough to screw the thread of the water gauge. Ensure the size of the hole will fit your purchased water gauge male connector.
- ▶ Insert the float of the water gauge into the hole and let it drop to the bottom.
- ▶ Fix the water tank gauge until tight, seal edge as required.
- ▶ Calibrate the gauge back to empty. The float will rise as water fills and allow you to gauge the water level
- ▶ You have completed this task.

2.0 Installation Guide Continued.

2.8 Rainwater Tank Tap:-

2.8.1 Installation:

- ▶ Purchase a tap fitting to suit the diameter of supplied brass threaded hole at side of tank, generally 25mm diameter.
- ▶ Drill a hole through the plastic bungs sitting behind the existing brass threaded hole with an appropriate diameter hole saw.



- ▶ Wrap nylon or similar taping around the male threaded end of your purchased tap/gate valve and screw in clockwise until tight. Please ensure it is not too tight as this may damage the thread of the hole.
- ▶ You have completed this task.



2.9 Connection from Rainwater Tank to Pump:-

2.9.1 Materials required includes but are not limited to the following:

- ▶ 1 x Male to Male connector
- ▶ 1 x high quality ball valve set with 25mm female to female threaded ends
- ▶ 2nos x 25mm threaded male director with 25mm tail.
- ▶ 1 x length of PVC pipe to suit 25mm directors (length dependent on distance between pump and tank)
- ▶ 2nos x 25mm and above diameter stainless steel ring clamps to fix pipe/tail

2.9.2 Installation:

- ▶ Lay out all the pieces to ensure each piece is in the right location. Once ok, then commence connection.
- ▶ Connect each piece at a time from tank end to pump.



- ▶ You have completed this task.

2.9.3 Important Notes:

- ▶ There are numerous ways to connect the pump to the tank. Our guide above is just one method and is to assist you only. It is recommended that you contact your local plumbing supplier or hardware store to satisfy your specific requirements.
- ▶ Wrap nylon or similar taping around the male threaded connectors to eliminate water leakage.

3.0 Warranty Terms & Conditions.



3.1 Manufacturer's Warranty on Rainwater Tanks:-

- ▶ Infinity Trading Group warrants to repair or replace (at our discretion) any defect or fault in our supplied rainwater tank products caused by the manufacturing process, for a period of Ten (10) to 25 years (dependant on Manufacturer), from the date of original purchase.
- ▶ This warranty:
 - Applies to the tank. ***Manufacturer's Specific Warranty Conditions apply.***
 - Applies to the polyethylene tank body and does not apply to tank colour, which may fade due to incremental weather conditions beyond our control. Further, if supplied by Infinity Trading Group, the fittings (inclusive of the inlet strainer, overflow, outlets and tap/ball valve) are per manufacturer's warranty period.
 - Tank is designed to be installed outside the external wall of the home only. It is not recommended for internal installation – to do so will void this warranty.
 - Is void in the event of abuse, improper installation, unsound base (site), or unauthorized modifications to the tank.
 - Does not apply to plumbing, electrical and associated works. This should be covered by the qualified and licensed plumber and/or electrician you appoint to carry out these works.
 - Infinity Trading Group rainwater tanks and all other rainwater tanks distributed by us are sold for rainwater storage and are restricted to that purpose only. Storage of any other materials in the tank will void this warranty.
- ▶ The purchaser acknowledges that Infinity Trading Group has the right to modify the tank if it is considered necessary in order to repair the defect to which the warranty applies.

3.2 Limited Warranty on Water Pumps – Repair or Replacement:-

- ▶ Your water pump is covered for a period of 12 or 24 months from the date of original purchase (dependant on Manufacturer) and is intended for domestic use only. The warranty is only made available by returning the product to your point of purchase with a confirmed cash register receipt.
- ▶ The warranty is void:
 - If the product has been operated on a supply voltage other than that specified on the unit.
 - If the product shows signs of damage or defects caused by or resulting from abuse, accidents or unauthorized modifications.
 - If the product has been operated without adhering to specific guidelines and instructions
 - If the product has not been stored in a dry, covered environment
 - If the electrical connection and associated works are not installed by a qualified and licensed electrician.

3.3 Important Notes:

- ▶ The Warranty excludes consumable parts such as drain caps, priming plugs and all accessories.
- ▶ Without limiting the purchaser's entitlements under the Trade Practices Act (Aust) and the Goods & Consumer Protection Legislation of the various Australian States, Infinity Trading Group shall not be liable for any loss of profits or any consequential, indirect or special loss, damage or injury of any kind whatsoever arising directly or indirectly from the use of these products or any defect associated with same.