Easy Step Installation Guide

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Tank installation steps

**ABOVE GROUND STEPS 1-3 ON PAD**

1. Prepare a reinforced concrete pad that is level and 300mm wider than the diameter of tank OR prepare an earth ring 300mm wider than the diameter of the tank so that no part of the tank is bearing on the wall. Fill is to be consolidated with 50-75mm (2-3”) of sand or crusher dust on surface.

2. Tank is rolled to position (if positioning requires a crane this will be at purchaser’s expense).

3. Tank must be secured or water filled to 25mm to prevent blow-away (no responsibility taken for tanks being damaged in this manner).

...go to Steps 4-6.

**STEPS 4-6 ON PAD or ON STAND**

4. Water Inlet – Water should be directed into tank through the strainer. Fixed inlets must be supported and have flexible hose fitted (similar to outlet instructions). Inlet pipe must be supported by stand.

5. Water Outlet – Overflow – Connect overflow. Water must be piped away from the tank.

6. Water Outlet – Overflow – Connect overflow. Water must be piped away from the tank.

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**IF THE STEPS IN THIS GUIDE ARE NOT FOLLOWED GUARANTEE IS NULL AND VOID**

PLEASE NOTE: Your tank cannot be unloaded without required assistance (table on the final page outlines the extra number of people required onsite at the time of delivery to assist in positioning tank). Do not work alone or enter tank, this is a confined space. Always wear safety gear and safety eye glasses when drilling. Do not lift tank with water inside. Remember, your tank must be installed correctly to ensure long life, and so you do not void your guarantee.
IN GROUND

1. Before commencing, check for underground pipes and ensure excavation work does not infringe on the weight bearing capacity of adjacent structures.

Excavate the hole in depth to allow for 50-75mm of bedding material and a maximum depth of 1/3 of the tank wall height.

Excavate the hole in diameter to allow for a 150-200mm gap between the tank wall and the surrounding soil. (The site is not suitable if there is water or if the floor of the hole is unstable).

Spread washed river sand into the hole and compact it with a plate compactor, to provide a firm level base. Check that no rocks, roots or sharp objects penetrate the sand base.

2. Tank must be lowered into the hole squarely by crane (if positioning requires a crane this will be at purchaser’s expense).

3. Prior to starting to backfill, the tank must be filled with water to a level marginally above ground height. The soil taken from the hole must not be used as the backfill under any circumstances.

Spread a 200-300mm layer of sand around the base of the tank. Manually compact the sand ensuring that all the voids are filled. Continue adding sand in 200-300mm layers, ensuring each time that it is well compacted into all areas until it comes to within 150mm of the surface. Restore remaining 150mm with fresh soil.

4. Water Inlet – Water should be directed into tank through the strainer. Fixed inlets must be supported and have flexible hose fitted (similar to outlet instructions). Inlet pipe must be supported by stand.

5. Water Outlet – Connect your outlet with flexible hose 300mm (12”) in length. The hose must be placed between the valve and all other plumbing or rigid pipe work. Elbow fittings must be used as shown (important: Water capacity of the inlet must equal water capacity of the overflow e.g. 2 x 100mm (4”) inlets = same capacity overflow).

6. Water Outlet – Overflow – Connect overflow. Water must be piped away from the tank.

ROLL-OFF DELIVERY

1. Make sure tank pad is level and position tank.

2. Mark outlet position on tank.

3. Drill outlet hole to suit tap or gate valve fitting with either a 22mm spade bit, or a 46mm (1 inch outlet) or 63mm (2 inch outlet) hole saw.

4. Next use a 98mm hole saw to drill out overflow as per Overflow Installation leaflet in the kit. The overflow must be positioned in the middle of the flat spot.

5. Insert overflow elbow into drilled hole until seal touches tank wall and screw into place using supplied screws. Push ‘mozzie’ screen or overflow strainer into overflow outlet hole until it bottoms out.

6. Remove strainer screws and remove strainer.

7. Place conduit in strainer hole, feed it through drilled outlet hole.

8. To insert brass fitting in outlet, undo nut off outlet and slide outlet and washer down conduit. Pull through from outside.

9. Screw nut on and tighten firmly by hand (left handed thread).

10. Place thread tape onto outlet thread and fit ball valve. Tighten with multigrips.

11. Loosen off hand tight outlet nut and move ball valve into upright position. Tighten outlet nut with multigrips.

12. Place strainer back into tank and screw back in to place so it is sealed and vermin proof.


WARNING: THESE ERRORS WILL VOID YOUR GUARANTEE - DO NOT LEAVE TANK EMPTY, IT MAY BLOW AWAY

- Tank base undermined, inadequate overflow length.
- Unsupported pipe puts excess strain on the fitting and tank wall.
- Rocky and uneven ground with little or no base preparation.
- Must not have undersized base. Circumference must be supported.
- Don’t use wooden sleepers or corrugated iron under tank.
Preparing for delivery

This Easy Step Installation Guide will help you prepare for the arrival of your Bushmans tank.

DELIVERY & SAFE ACCESS

To deliver your tank without damage please ensure that you notify logistics if there is not sufficient space for an oversize semi-trailer to turn around or if there are any obstacles that the driver will need to consider. (A minimum of 50m turning space is required, max dimensions of truck: 21m(L) x 2.5m(W) x 5.2m(H). Obstacles may include low power lines, gates, inaccessible roads, roundabouts, crossings, overhanging trees etc. Check our website to see our delivery areas). Our driver will need assistance at time of delivery to unload your tank from the truck. Please have able-bodied people available, if assistance cannot be provided then hire or use of any equipment is at purchaser’s expense (i.e. crane hire, 4WD tractor hire, backhoe hire, front end loader hire).

DELIVERY ONSITE

Onsite delivery is where our driver will help site the tank only if the provided conditions are met as per the Checklist, if you have followed the guidelines, the site is prepared and safe, our driver will install your tank.

DELIVERY ROLL-OFF

Roll-off delivery is if the site is not prepared so it can be installed at a later date. Check it is possible to roll the tank off without damage, when moving into position, avoid rough and sharp surfaces, ensuring the area to unload the tank is level and clear of building material. (Due to OH&S drivers will not unload or transport the tank to the installation site, or leave the tank onsite if insufficient assistance or unsafe access is provided. The driver has the final decision to assess suitability of the site. Bushmans take no responsibility for tanks being damaged if site is unprepared. If delivery cannot be made to your site Bushmans will automatically attempt delivery again at the purchaser’s expense.

PLUMBING FITTINGS

Please advise prior to delivery if you need any extra Bushmans fittings or valves. Extra fittings are available upon request at additional cost. Check with local council for regulations relating to rain water tank installations. See fittings & accessories for more information. When plumbing the inlet, overflow or outlets, ensure allowances are made for the poly tank to move position, expand and contract. Typical PVC or metal fittings are relatively rigid and inflexible. (Purchase and delivery of any additional plumbing fittings and pipes are responsibility of purchaser. Our guarantee specifies a 300mm flexible hose be fitted to the outlet).

SECURING YOUR TANK

When your tank arrives you must put at least 25mm (1") of water into the tank, if water is not available ensure that the tank is tied down to secure it from blow-away and damage (Bushmans take no responsibility for tanks being damaged if the tank is not secured properly). Water tank stands can be used but must be designed by a qualified consulting engineer (due to OH&S our drivers and service people are not permitted to work at heights and therefore cannot assist in placing or servicing tanks on stands).

New South Wales
18 Colliers Ave
Orange NSW 2800

Victoria
Cobden Rd
Terang VIC 3264

South Australia
15 CB Fisher Dr
Cavan SA 5094

Queensland
8 Cooper St
Dalby QLD 4405

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