

Typical Underdeck Tank Installation

SITE PREPARATION

It is essential to have your tank on sound, level ground. Remove all vegetation, topsoil and hard objects (such as rocks) before setting up the tank base.

TANK BASE

The underside of your tank must be uniformly supported. To this end, you must construct a base of either compacted crusher dust or concrete. 75mm – 100mm of crusher dust is usually used under underdeck tanks and must be contained to prevent erosion over time. Treated pine sleepers are ideal for containment.

Underdeck tanks can also be supported on a concrete base. Form up a base at least 100mm longer and 100mm wider than the tank footprint. If positioning the tank against a wall, insert an expansion joint between the tank base and the adjoining wall. Do not rest any part of the base on an existing footing.

The concrete must be at least 25 mpa and 100mm thick with F62 mesh halfway through the mix. It should be screeded level with no high or low spots. The finished surface should have a trowel finish.

WATER OUTLETS

We supply a 1" BSP brass fitting for the outlet. This can be located anywhere on the flat vertical face of the tank. Use a drill up to 22mm diameter to drill the hole. Use a length of electrical conduit or string, fed in through the inlet sieve, to slide the fitting into position.

Connect a minimum 300mm long flexible suction hose to any ball valve. The flexible hose must be placed between the valve and all other plumbing or rigid pipe work to accommodate movement.

Proceed to connect your pump or plumbing.

OVERFLOW

To install the overflow we supply, simply drill an 95mm hole (using a standard 95mm hole saw) through the flat vertical face. Fit the overflow to direct excess water to the stormwater system.

Vacuum out any plastic shavings from inside the tank so that they do not cause blockages or damage to your pump.

INLET PLUMBING

We recommend you allow 200mm clearance above the tank to accommodate the inlet plumbing and allow sufficient space to remove the inlet sieve for cleaning.



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