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INSTALLATION INSTRUCTIONS

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Melbourne Rotomould

Use of tank: Melbourne Rotomould polyethylene tanks are manufactured for the purpose of domestic above ground static water storage only. Tanks are not suitable for the transportation of water and are not designed to support live loads on the roof. Standard tanks are not suitable for industrial use, fittings that are larger than standard, or non standard fittings.

Site access and securing tank: Melbourne Rotomould delivery vehicles may be up to 19 metres in length, 3m wide and 4.5m tall. Customers need to ensure that access suitable for such vehicles is available otherwise tanks may be left at the nearest practical location at driver's discretion. It is the responsibility of the purchaser to ensure the tank is restrained from blowing away in wind by securing it. A tank may be filled with water to the bottom of the lowest outlet at this stage provided the site is flat, level and smooth. Customers may need to assist the driver to position tanks.

Tank Site: The tank site must be a suitably designed fully supporting base which is flat, level and smooth. No allowance for differential settlement has been made and we recommend that the tank be installed on a suitably designed reinforced concrete slab overlying stable foundation material to ensure the quality of the base is maintained for the life of the tank. If used, sand or other consolidated fill must be boxed to prevent washing away. The proposed tank site must be at least the same size as the footprint of tank. Tank stands can be used if engineered to support the weight of the full tank without deflection and spacing between deck members does not exceed 25mm. To allow for expansion of tanks when full, round tanks should not be placed closer than 20mm from a solid structure, slimline tanks require 50mm clearance. Tanks shall not be installed in buildings or where released water would have an adverse affect. Tanks must be installed by a suitably qualified tradesperson according to the regulations applicable to the local area.

Tank Inlet: Inlet pipe diameter must not exceed the overflow pipe diameter, to prevent water back flowing out of the strainer. No more than one inlet pipe permitted, unless at least equivalent overflow outlets are fitted to the tank. An 80mm gap must be left between the end of the inlet pipe and the strainer mesh to allow obstructions to clear during normal use, and to allow for periodic removal and cleaning of the strainer.

Tank Overflow: Overflow capacity must be large enough to handle the volume of water entering the tank, and must be directed clear of the tank base to prevent it washing away. Periodically check the overflow strainer and clean as required. Do not glue overflow strainer in place so that it can be removed for cleaning. Note: Slimline tanks can have the overflow pipework directed to the right or left from the overflow fitting along the top of the tank, then down the side of the tank and directed clear of tank base.

Tank Outlets: *A 300mm minimum length of flexible hose must be installed to allow for movement.* Brass 'moulded in' female threads: choose the outlet/s you wish to use then carefully drill out the plastic at the rear of the thread to allow water through. Customers must ensure all plugs and tank connections are fitted securely without damaging threads, and sufficient sealant used. All pipe work needs to be fully independently supported, not reliant upon the tank for support. All connections to tanks must be able to be undone; warranty service will not cover reinstating hard plumbed fittings. Brass 'male' outlets have a left hand (reverse) threaded locknut which tightens in an ***anticlockwise*** direction. Every effort is made to ensure all pre-installed connections are water tight as they leave the factory, but it is the responsibility of the installer to verify all connections are water tight prior to completing installation.

Joining Multiple Tanks: Multiple tanks may be connected together with flexible hose using the bottom outlets, providing the overflow heights of the tanks are at the same level. It is recommended to install valves at each tank outlet so tanks can be isolated.

Pump Systems: Any pump system connected must be tested prior to tank being commissioned. Fill tank with water to 100mm above pump inlet connection and check for correct operation of pump (and mains backup system if fitted), as per pump manufacturer's instructions.