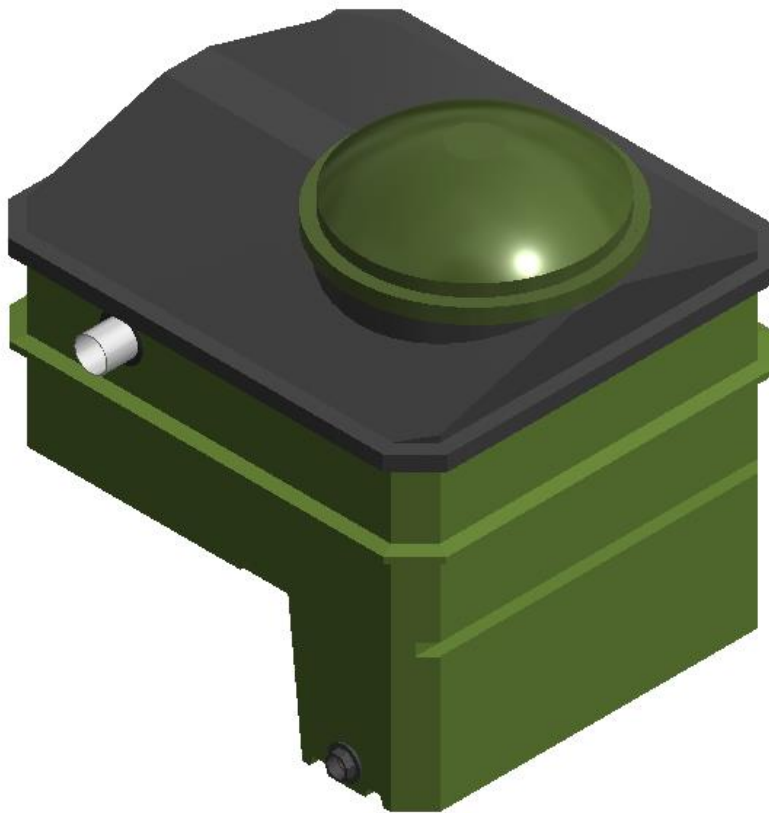




NaturalFlow Series NF600TH Treatment System

Installation Instructions



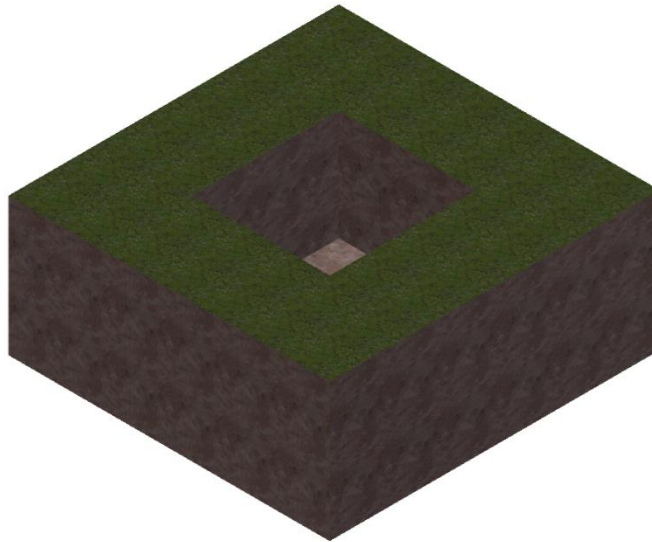
NATURALFLOW SERIES NF600TH

Installation Instructions

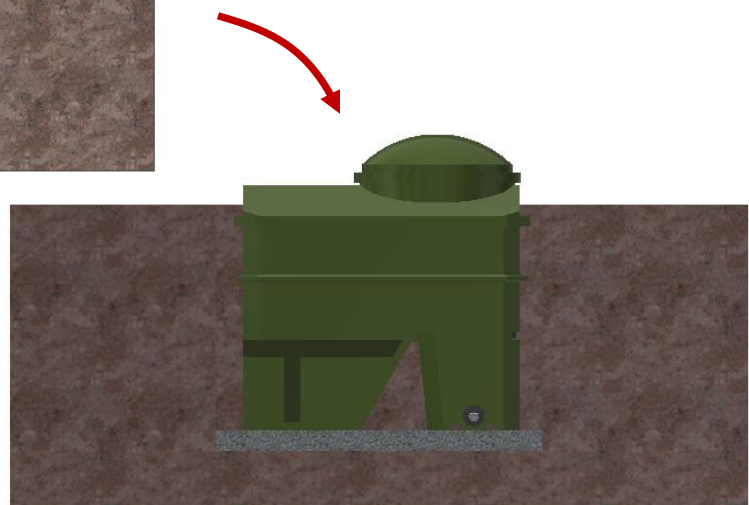
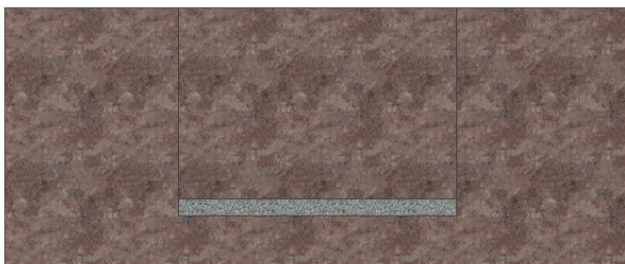
Installation Steps

The following installation instructions and procedures followed correctly will ensure System performance is not compromised in any way.

1. Excavate a 1.4m (wide) x 1.6m (long) level platform at the appropriate depth, so when it is placed there is adequate fall to inlet from its source. Ensure it is not so deep so as to bury the tank below the point where tank is joined.



2. Lay 100mm of bedding metal on platforms and place the tank.

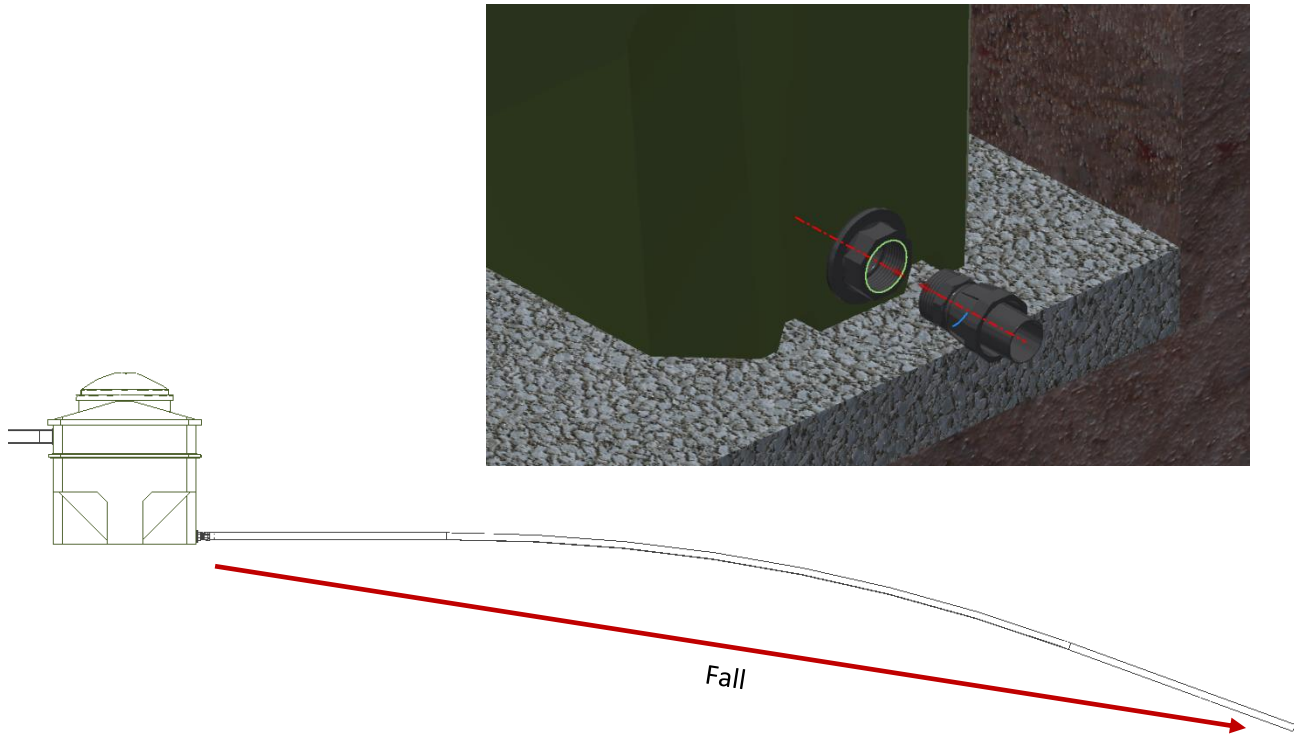


NATURALFLOW SERIES NF600TH

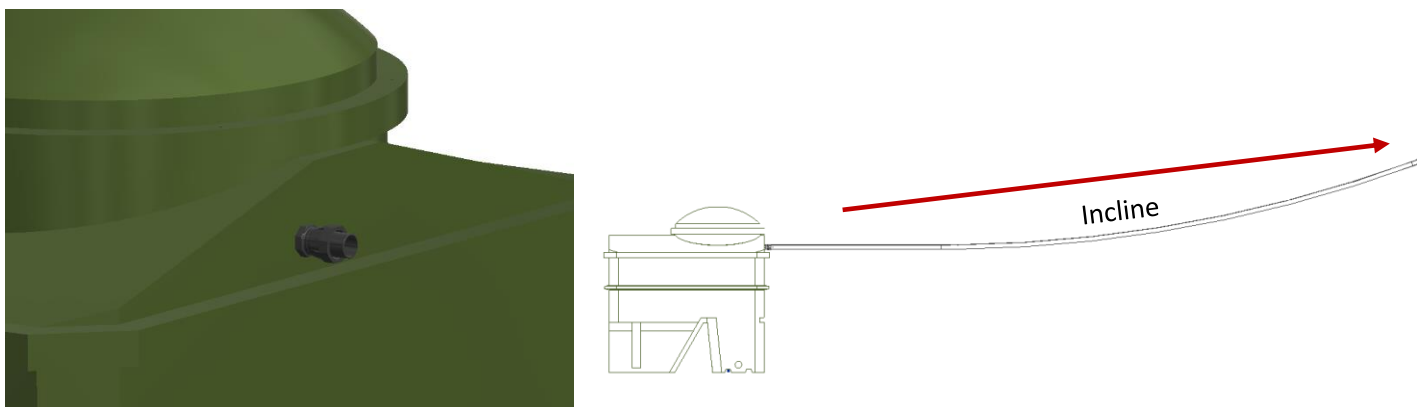
Installation Instructions

NaturalFlow Series NF600TH Installation Instructions

3. Where possible excavate a trench away from System and lay drain coil and drainage metal at the base of the system to drain away any surface or ground water. On a flat or high-water table site, the System must be bedded in as per appendix A below
4. For a gravity discharge system, put 10-15 rounds of tread tape on the supplied 50mm threaded coupling, then wind the fitting into the outlet fitted at the base of the tank. Next fit the 50mm feed line to the coupling and run it to the disposal field location in a trench, ensuring there is a constant fall from outlet to disposal field. For a pump system refer to next step.



5. On a pump system there is a 32mm coupling nearer the top of the tank. The 32mm feedline from the system to the disposal field can be trenched in shallow and run flat or uphill.

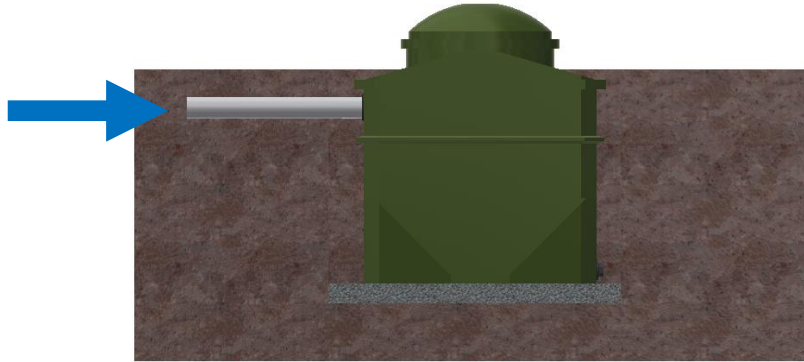


NATURALFLOW SERIES NF600TH

Installation Instructions

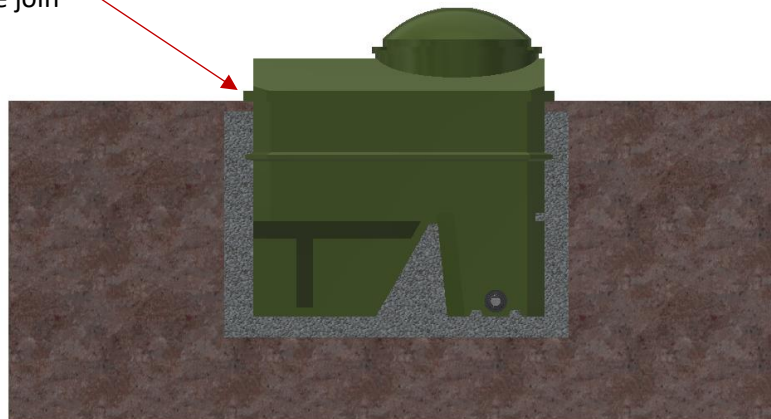
NaturalFlow Series NF600TH Installation Instructions

6. Connect wastewater drains from the dwelling to the system. One drain for low use or single bedroom, separate black and grey water drains for higher use or two bedrooms.



7. Back fill around tanks with pea metal. DO NOT back fill with soil or clay of any type as this can cause point pressure on the modules and could cause distortion.

Do not back-fill
above join



Caution: System must be protected from excessive super imposed loads both lateral and top loads. E.g. loads from vehicular traffic. There needs to be at least 2m of clearance maintained around system.

Worms: Ensure adequate moisture in the Worminator® and add worms once installed unless systems is not going to be used within 2 months of installation.

NATURALFLOW SERIES NF600TH

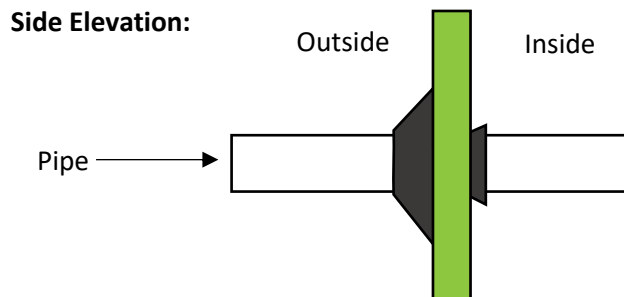
Installation Instructions

Appendix A and B

Appendix B

Instructions for fitting UNISEAL®

1. Cut hole to the Hole saw size indicated for the UNISEAL® you are using. Either 127mm hole for a 4"/100mm pipe or 67.2mm hole for a 2"/50mm pipe.
2. Ensure that the hole is clean cut with sharp edges. Irregularities could cause poor seating and ultimate leakage.
3. Insert the UNISEAL® into the hole with the wide side facing the pipe to be inserted.
4. Make certain that the pipe end to be inserted is clean cut. File the edges so that there are no sharp points to cut UNISEAL®.
5. Using Detergent, lubricate the outside of the pipe end to be inserted, then push the pipe through the UNISEAL® from the large flange side. The detergent will be squeezed off as the pipe passes through the UNISEAL®. The co-efficient of friction of the rubber holds the pipe tightly in place.



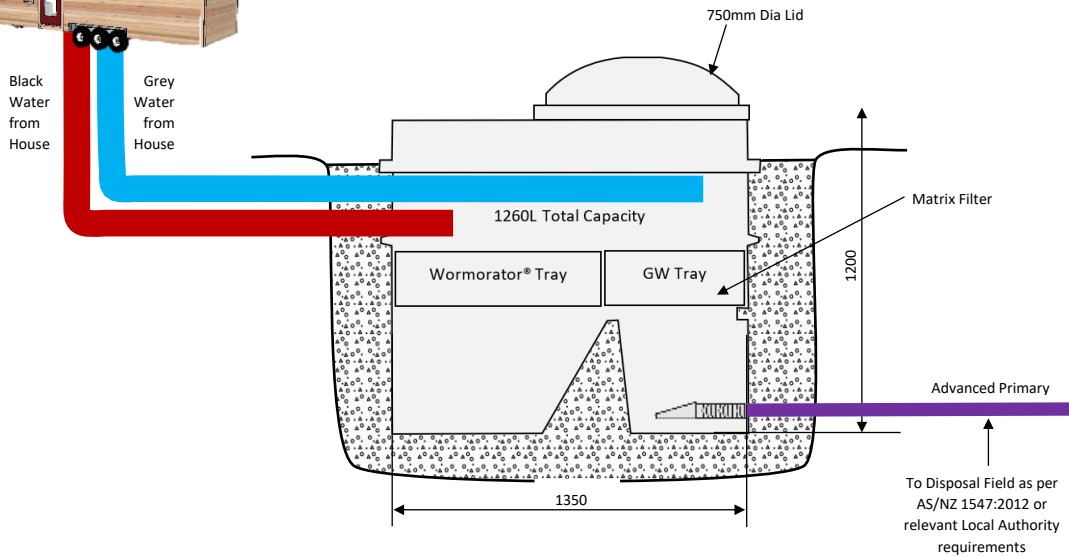
NATURALFLOW SERIES NF600TH

Installation Instructions

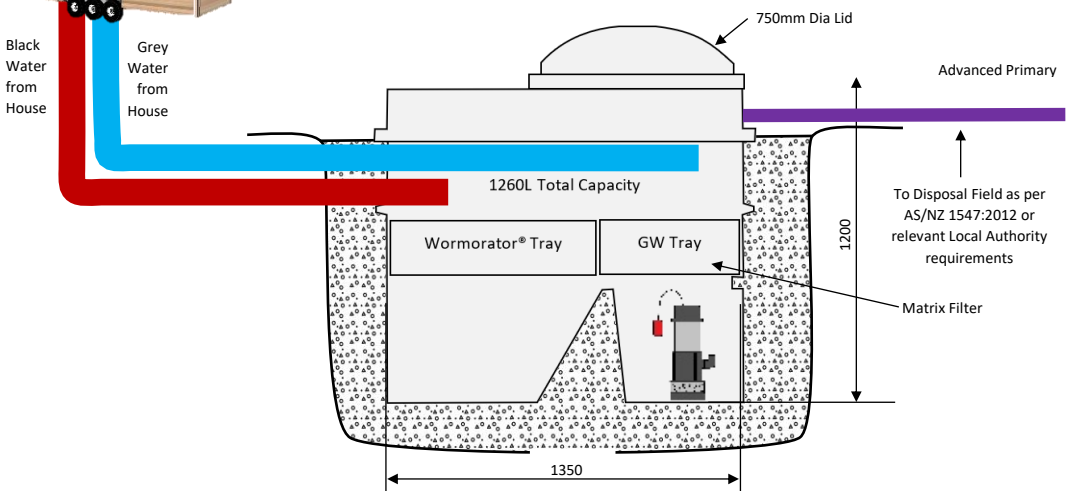
NaturalFlow Series NF600TH Flow Charts



NaturalFlow Series NF600TH Treatment System Dose



NaturalFlow Series NF600TH Treatment System Dose



NATURALFLOW SERIES NF600TH

Installation Instructions

New Zealand's Leaders in Eco-Sustainable, Odourless Wastewater and Sewage Systems

Worminator® & Dose Chamber Specifications

Tanks are made of Cotene 9050 which is a linear medium density polyethylene, designed specifically for rotational molding of large tanks and products that require a high level of rigidity. It contains a fully formulated long term UV stabilization package (with a minimum UV8 rating) and is suitable material for wastewater treatment containment meeting all the requirements of Section 4.3.3 of AS/NZS 1547:2012 which cross references the structural performance requirements of its section 2.4.2.3 back to the relevant provisions of AS/NZS 1546.1, which for plastic septic tanks constructed via by rotational molding using thermoplastics (polyethylene) are set out in Section 9 of that Standard. These tanks have an expected lifespan of 50 years.

NF600TH Module

1250ltrs Nominal capacity

1350mm Long

1200mm Wide

1200 mm O/A height

Installation Location and Certification

These tanks are not designed for vehicle loads and shall be located no closer than 1.50m to a driveway, road frontage or a building. Surface water must also be diverted from flowing into the installation.

Installation must be certified to AS/NZS 1547:2012, the certificate to be issued and held by the regulatory authority.

High Water Table Installations

The NaturalFlow NF600TH System is not suitable for high water table situations.

Plumbing Pipes and Fittings

All internal plumbing is done with PVC pipes with appropriate connections according to AS/NZS 1260 and AS/NZS 4130.

Backfill and Bedding

Place and bed to NZBC G13/AS2, using compacted granular metal, in layers not exceeding 100mm.

Electrical

Where a pump is required on a flat site electrical connection must be installed according to AS/NZS 3000 and the control and alarm system must be in a weatherproof housing located in a readily visible position.

If in doubt contact the experts on 0800 628 356 or sales@waterflow.co.nz



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