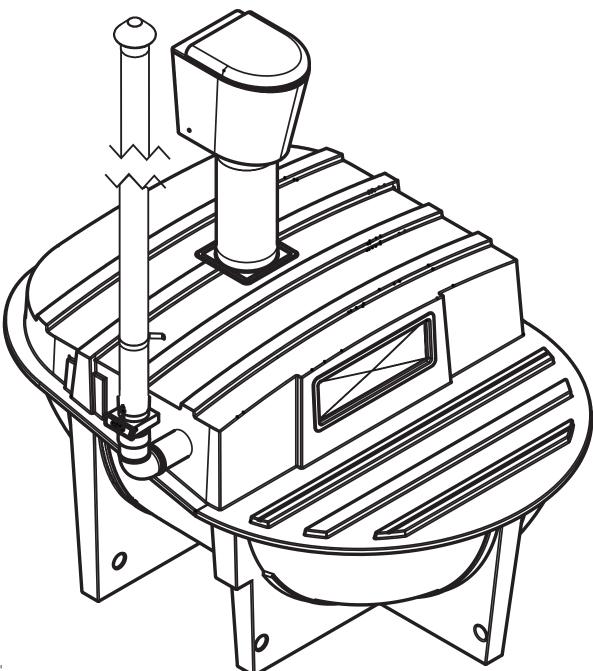
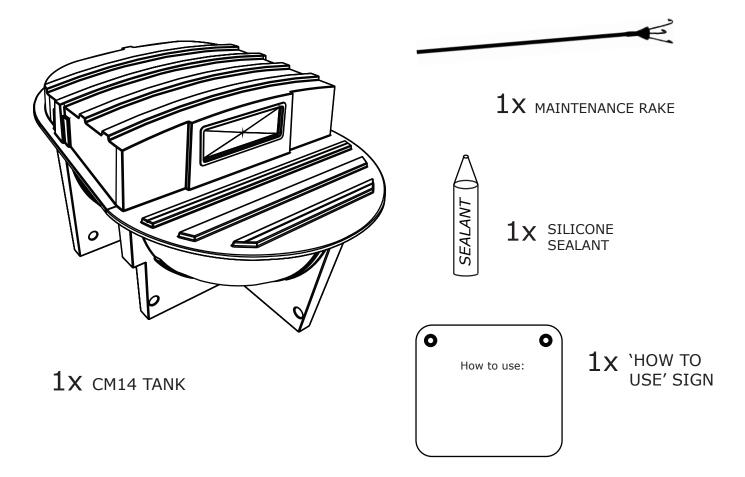
CM14 Next Gen. AUSINZ INSTALLATION MANUAL



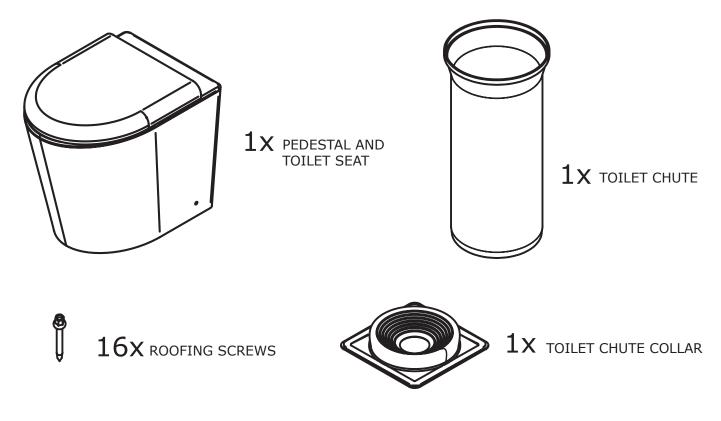




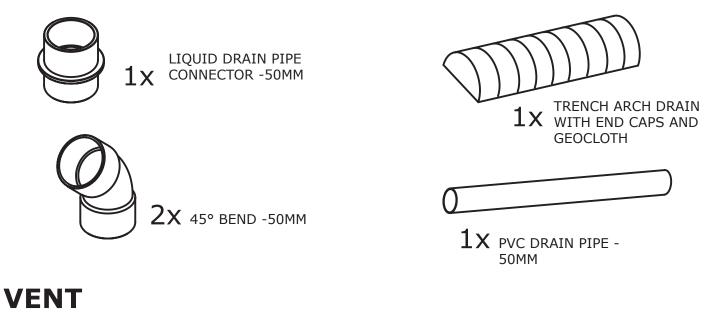
CM14 TANK

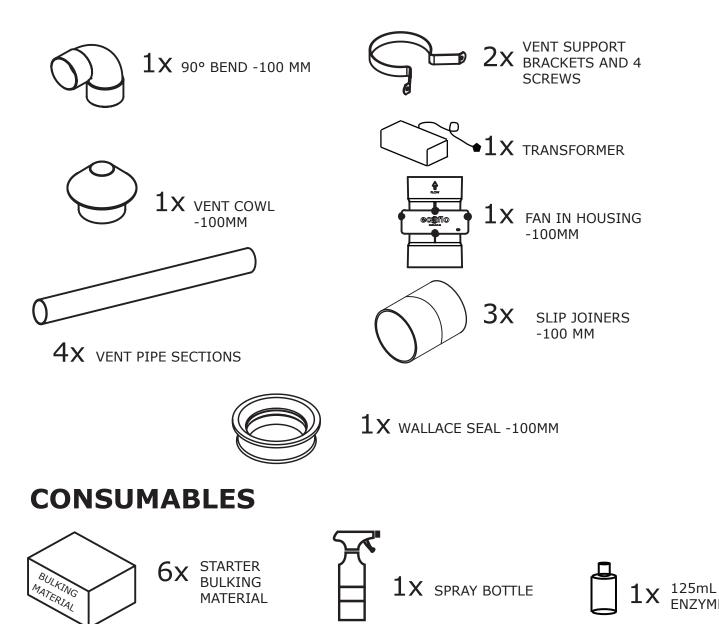


PEDESTAL

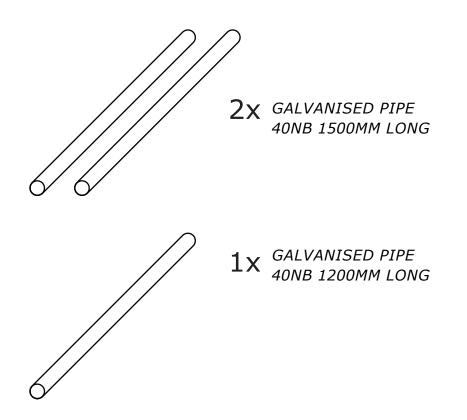








OPTIONAL PACK FOR BURIED INSTALL ONLY



TOOLS REQUIRED





Spade



Spirit Level



Screwdriver (Philips/plain)



Scissors/Knife





Drill

Jigsaw

Tape Measure

Marker

PPF



Ladder

MATERIALS REQUIRED

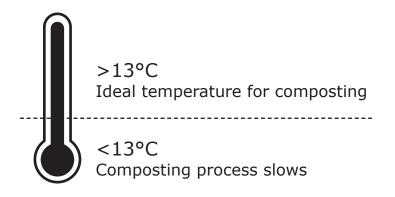
- Water for wetting starter material.
- Additional 50mm PVC pipe (coupling and bends if absorption trench is to be located some distance away from tank). Additional pipe bends if needed for vent pipe.
- In poor soil conditions, extra length of trenching arch or agi drain may be required.
- Drainage gravel for excess fluids drain.

INSTALLATION SUMMARY

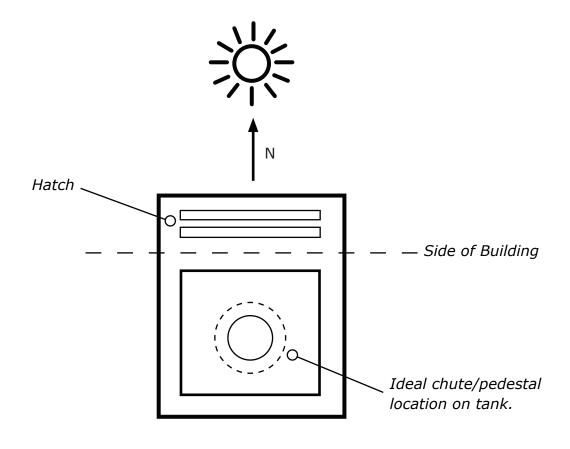
- 1. Ensure the tank is in a position so that the toilet chute will be perfectly straight over the tank below.
- 2. Ensure the tank foundation is solid with a sand or crusher dust bed.
- 3. Mark and cut holes in the floor for the toilet chute.
- 4. Mark and cut holes in the tank top.
- 5. Insert toilet chute and pedestal.
- 6. Install the vent system.
- 7. Install the liquid end-product drain pipe and absorption/transpiration trench.
- 8. Connect fan to power source.
- 9. Check everything is sealed.
- 10. Place a starter-bed of suitable bulking agent (e.g. wood shavings) in the unit.
- 11. Wet bulking agent before use of toilet.
- 12. Add starter bacteria after 14 days of use.

CONDITIONS

Any **decomposition process works better where temperatures are warmer**. Over the winter months the composting process slows or can even temporarily stop where temperatures in the pile drop below 4°C.



As the composting tank is black, it will absorb heat from the sun. **Simply by installing the compost bin on the north side of the house will make a dramatic difference to the composting process**. In addition, a translucent hatch and enclosure can be installed around the compost bin. In extreme alpine conditions it may be necessary to insulate the tank itself in addition to the above.



PLAN VIEW

POSITIONING THE TANK

If there is very little room between the top of the tank and the floor of the building, the order of the installation can be changed as follows: Firstly, cut the pedestal hole in the floor of the building (refer Section 9), mark the hole position on the tank when the tank is in position, but before the tank is secured into the ground. After the tank has been marked, it can be removed from under the building and then cut the hole in the tank and fit the chute collar before replacing the tank.

Check the position planned for the toilet chute. The toilet chute must be positioned over the top of the compost tank. For less maintenance of the compost pile, the optimum location for the chute/s to enter the tank is mid-width, in the rear half of the tank. A clearance of at least 150mm from edge of chute to edge of tank-top is desirable to avoid rapid build up of the pile against the sides.

Check there are no major support beams, pipes or electrical wire that are in the way of the toilet chute.

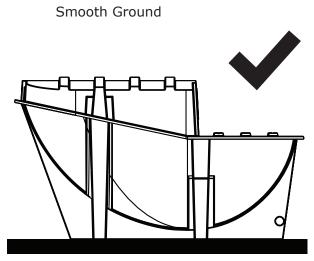
Where mains power is to be used, check that a power point has been installed near the location for the ventilation fan.

Locate where the excess liquid drainpipe and tench is to go and take this into account when positioning the tank.

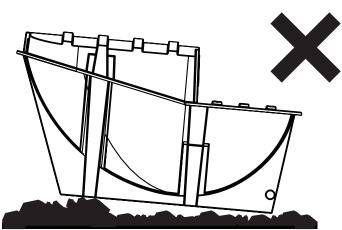
TANK SUPPORT

The composting tank must be supported by either packed earth with the tank placed on a base of sand, or a wooden frame on a solid base; e.g. a concrete slab. Insulation between the tank and the concrete slab will reduce heat loss and aid the composting process.

NOTE: The tank and enclosure should be protected from surface and floodwater.

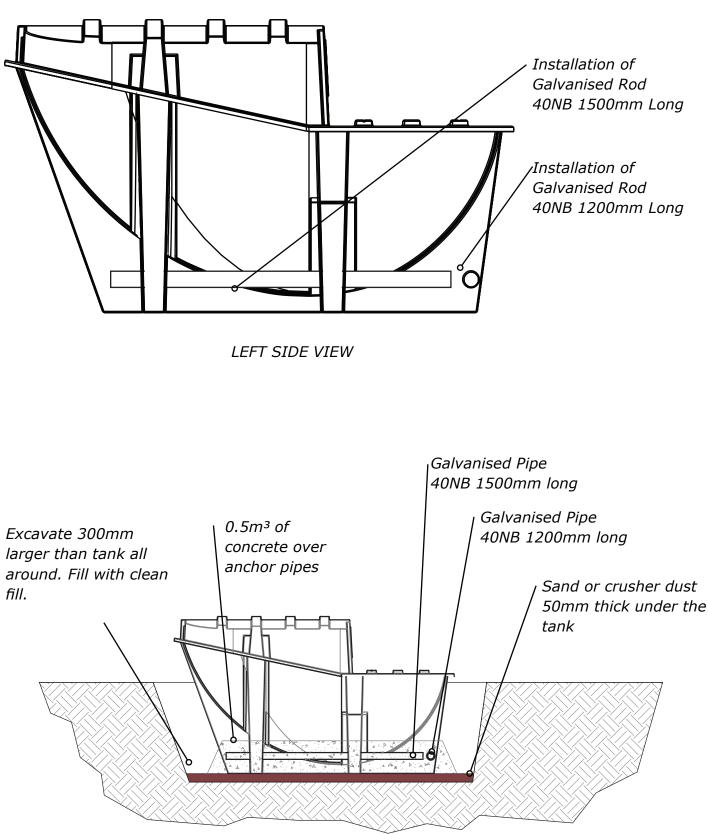


50-75mm bed of sand, fine dust or similar solid sub-soil Uneven Ground



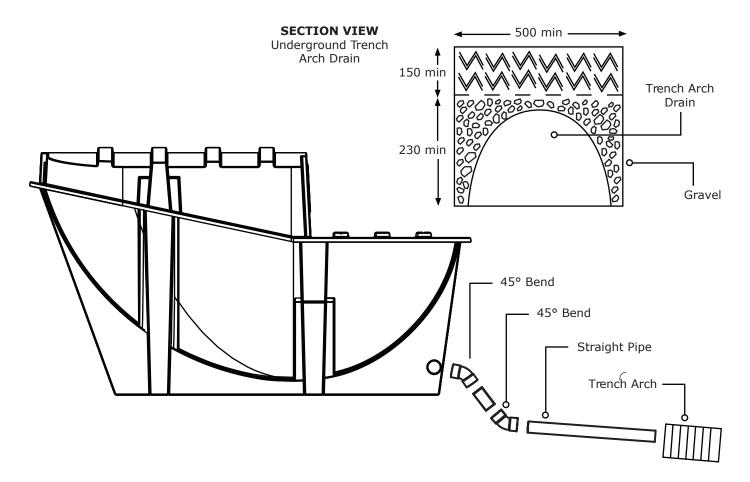
FOR BURIED INSTALL SYSTEM ONLY

For a buried system it is required to hold the tank down with galvanised rods. These are slid into the slots provided on both sides and the front of the CM10 tank.



LEFT SIDE VIEW SECTIONAL IN GROUND

EXCESS LIQUID DRAIN INSTALLATION

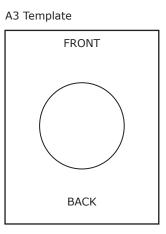


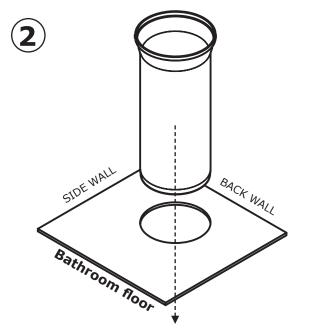
TOILET CHUTE & PEDESTAL



Please refer to the Pedestal installation manual for instructions on how to locate the pedestal in your bathroom.

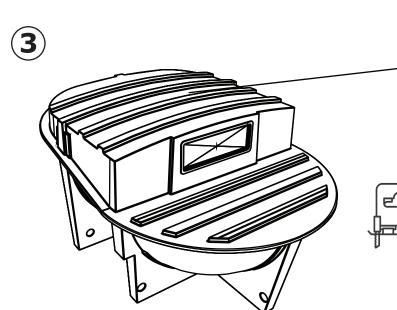
A3 Template to cut chute hole at the correct size.

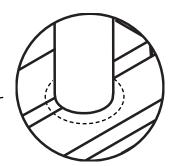




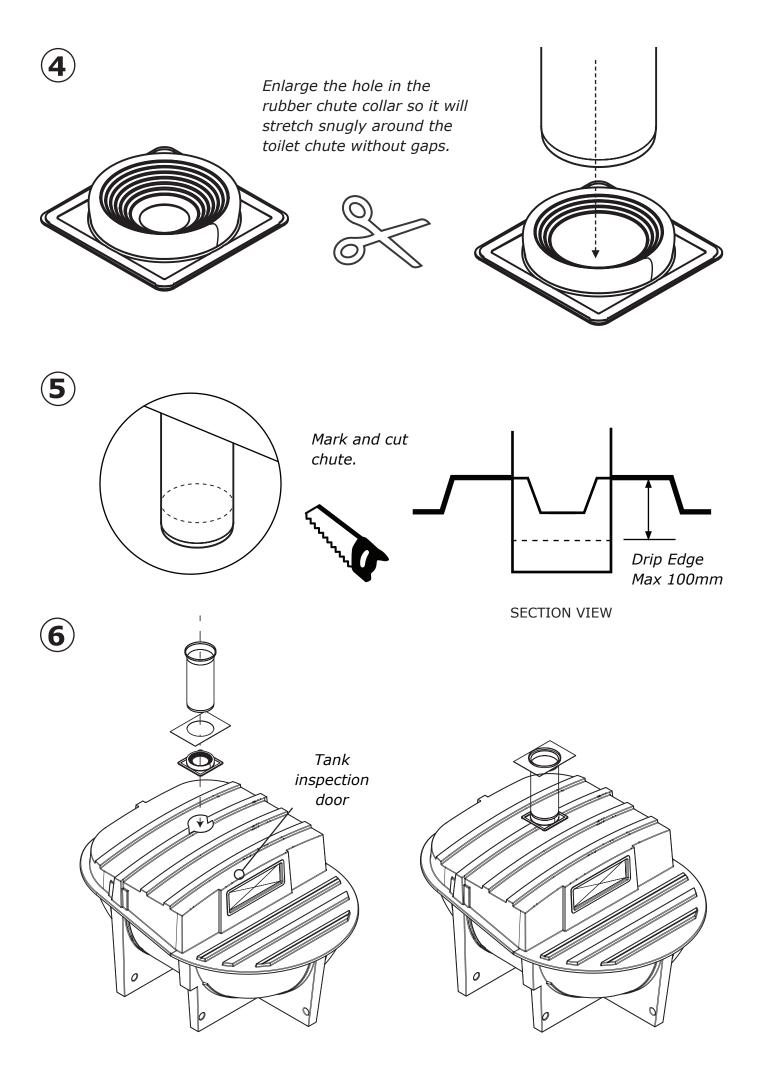


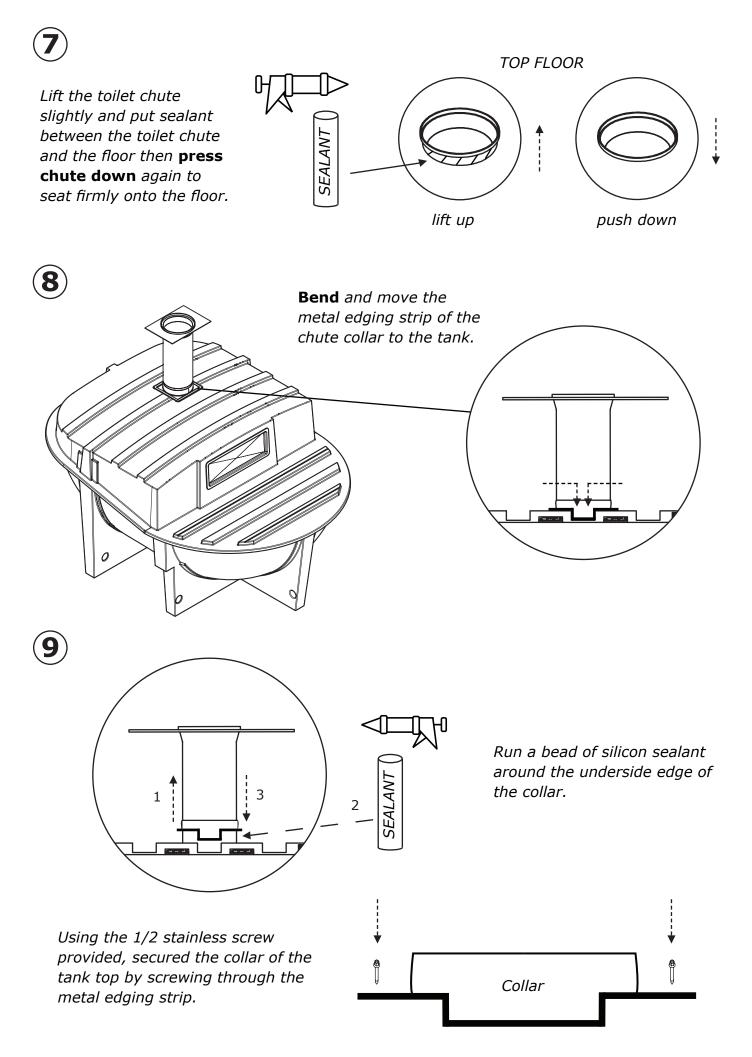
Note: If the floor of the building is high above the top of the tank a chute extension piece/s may be needed. Extra lengths are available from your supplier. Joints should be screwed with short self-tapper screws, and sealed with silicon. If more than 2 chutes are joined then additional support straps or brackets are needed to support their weight from the building frame, instead of hanging only by the top chute.





Using the outside of the toilet chute as a template, mark and cut the chute hole into the top of the tank.



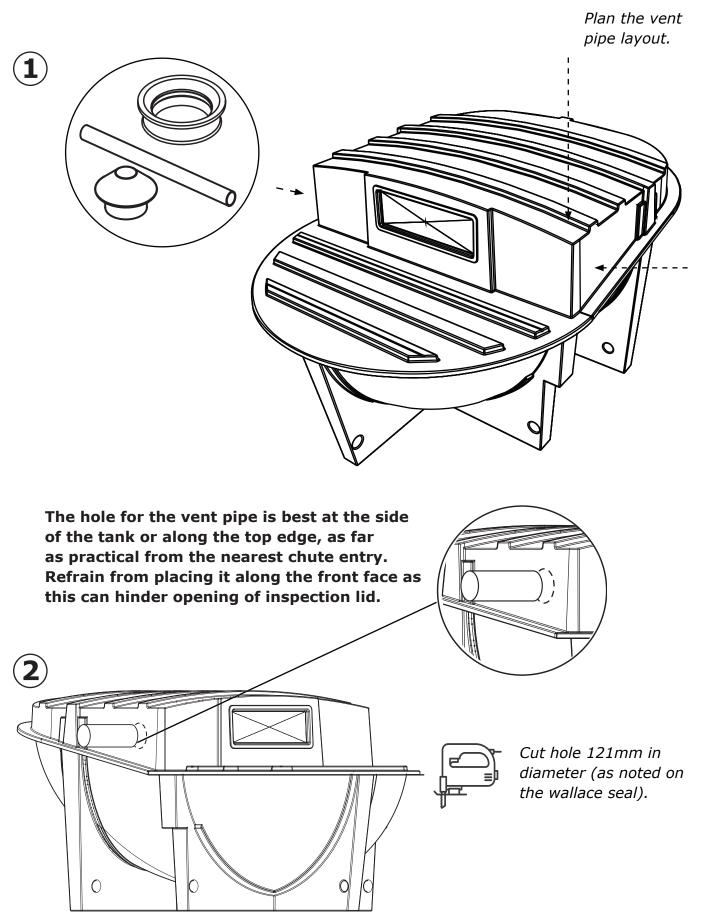


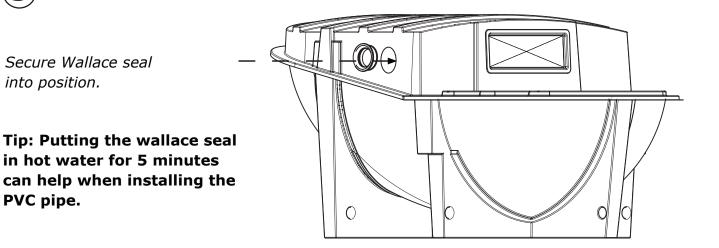
NEXT STEP: 'FIX THE PEDESTAL'

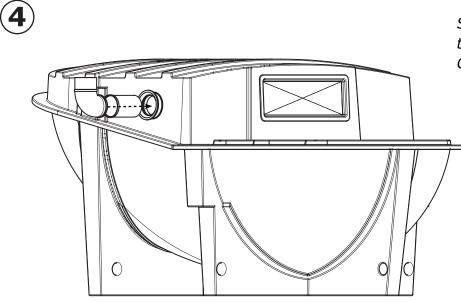
See manual for pedestal installation.

INSTALLATION OF VENTILATION SYSTEM

Note: As air flow is essential to the operation of the unit, **the fewer bends that are used when installing the vent system the better.**

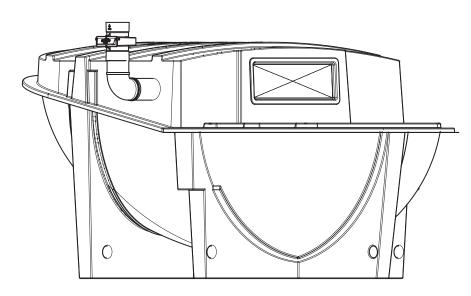




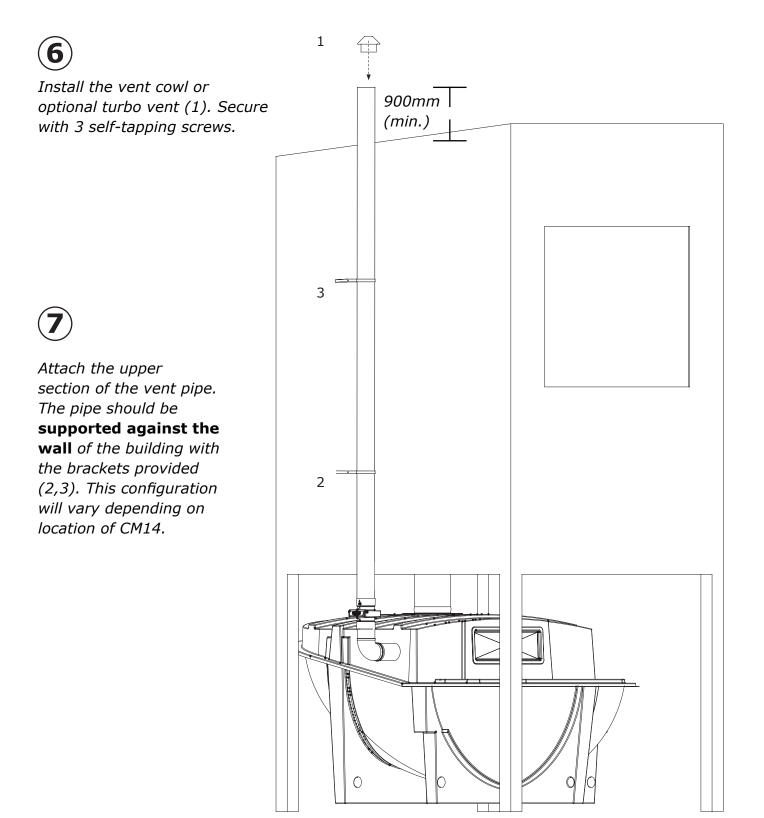


Secure pipe fittings according to building/roofing instructions. Complexity may vary.





Mount the fan housing onto the vent pipe. Position the fan housing so that it can be easily accessed and secure with silicon.



STARTER-BED OF ORGANIC MATTER

SUITABLE BULKING MATERIAL



Wood shavings

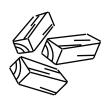




Dry Leaves



Peanut or coconut husk









Large wood chips

Lawn clippings

Fine sawdust

Sugar cane mulch



Starter bed of bulking material to underside of baffle.

NOT SUITABLE BULKING MATERIAL

