# Installation Guide

**M100/M150 – CL300/CL400 – CK100/CK500**

**Material required:**

- 1x M100 (or M150) composting tank
- 1x CL200/CL400 floor-mounted (or CL300/CL310 bench-mounted) toilet
- 1x CK100 (or CK500) ventilator
- Ø100mm ventilation pipe & clamps
- Gravel or pebbles (handful)
- Wood chips (~150 litres)
- Ø250mm discharge pipe
- Garden hose (optional)

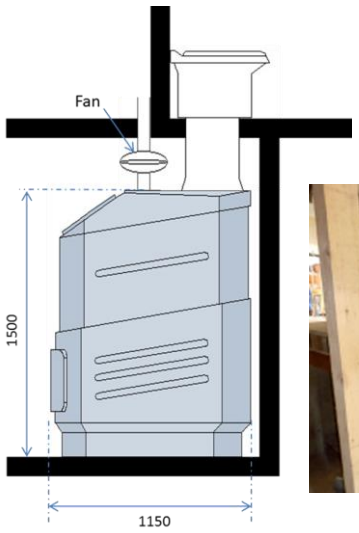
## Step 1: Planning & Preparation

The below diagram shows a schematic of a typical installation.

The fan can be put directly above the tank or at the top of the ventilation pipe. The toilet has to be placed right above the composting tank.

For compost removal, it is important that access to the white hatch is possible. There are no extra space requires along the other sides.

It is possible to put the toilet immediately above the tank without using a discharge pipe.

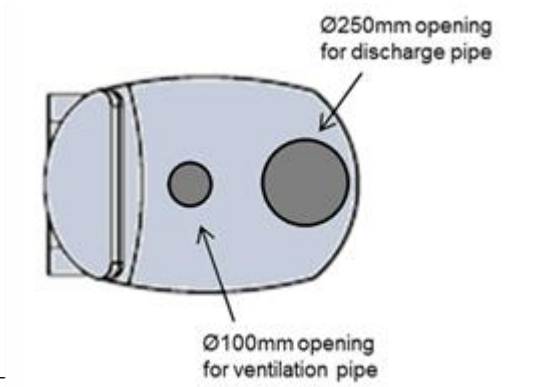



## Step 2: Cutting pipe openings

The below diagram shows the top of the composting tank. Clivus Multrum delivers the tanks without the openings for the ventilation and discharge pipes to allow maximum flexibility when installing.

The typical placement of the pipe openings is indicated with the circles. However, if placement requires it is not a problem to cut the openings elsewhere on the top of the tank. The ventilation opening can also be placed at the top end of the side of the tank.

The openings can be cut with a sharp knife

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of a saw.

**Step 3: Placement of composting tank**

The composting tank is self-supporting and can be placed directly on the floor without additional support or isolation.

The picture shows an example of how the tank can be placed.

Note that the tank is not strong enough to support the toilet. The toilet needs to be supported by the floor or bench.

**Step 4: Discharge pipe (optional)**

Whether a discharge pipe is necessary depends on the placement of the toilet fixture relative to the tank. As long as the toilet is vertically above the tank there is no limitation for the length of the discharge pipe. It is not problem to place the compost tank in the basement for a toilet on the upper floor.

Most important is to fix the discharge pipe such that it does not risk falling inside the composting tank.

**Step 5: Toilet placement**

CL300/CL310: Place the toilet on a bench to support it.

CL200/CL400: Place the toilet on the floor.

Ensure that the toilet's discharge is fitted inside the discharge pipe or composting tank opening.

**Step 6: Ventilation**

Ventilation is important for a healthy composting process, and to avoid foul odours to enter the bathroom.

CK100: Cut the ventilation pipe at the place where the ventilator shall be placed. Join the pipe and ventilator on both sides.

CK500: Fix the ventilator to the top of the pipe.

Ensure a good seal to avoid false air draw.

Place, fix and seal the ventilation pipe onto the opening on the tank.

CK100: Connect the fan to a circuit breaker according to the wiring diagram that can be found on the inside of the junction box.

**Step 7: Garden hose (optional)**

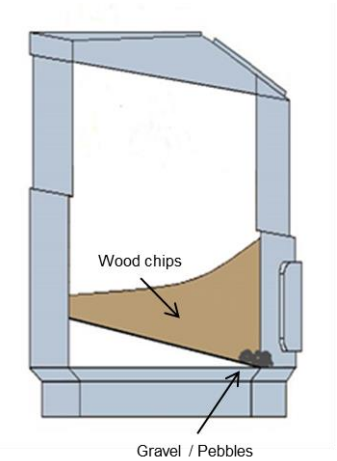
For excess leachate removal connect a garden hose to the tap at the bottom of the tank.

**Step 8: Commissioning**

Through the white hatch, place the floor plate in the tank so that the drain holes are on the side of the hatch.

To avoid the drain holes from clogging up, place a hand full of gravel or pebbles so that they are covered.

Using the top hatch, fill the tank with approximate 150 litres of wood chips as shown in the below drawing.

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