Plastic ventilation tubes in the actual compost mass - must be U-shaped or V-shaped with the opening facing downwards and the rounded or pointed side facing upwards.

The ventilation pipe from the container to the roof - must be insulated to prevent condensation.
Solar batch heater

Shower/bathroom

Wash basin, taps etc.

Water inflow pipe

Wooden slatted floor

Drain

Greywater drain to leach system
Expansion valve
Water tank
Shower
Wash basin
Water inflow
Water reservoir
Peat filter for soap
Sand
Gravel
Small stones
Larger stones

In clay soils - 2 oil drums are recommended. The upper drum as an extra water reservoir
FOUR-RING COMPOST TOILET

2: 4 concrete rings - 60 cms long, 100 cms diameter
   - placed on reinforced concrete bed
3: plastic roof-gutters placed upside down for aeration
4: metal splash-sheet for spread of urine
5: toilet seat cover
6: hatch for kitchen and household organic waste
7: hatch for removal of decomposed material
8: air entry holes
9: ventilation pipe
10: frontal view of plastic guttering
11: rear view of plastic guttering and hatch
12: bed of peat and earth
1.500 mm

1.000 mm

220 mm

80 kg med 30 mm

Top
150 cms
100 cms
2 hatch openings with rain barriers
120 kg med 30 mm

100 cms

210 cms

Bottom

2.100 mm

1.000 mm
All elements are made of 3 cms [30 mm] thick concrete, reinforced with strong chicken net.

Aeration channels or tubes are V or U-shaped with the openings facing downwards.

The unit must be insulated if it is used during the winter months and is built outside an already existing building.
Simple Home-made Clivus Composter

from - "Vi prøvede en ø- Vejlø"- NOAH/Fremad Denmark [1970's]

chimney for ventilation

hatch for toilet bio-waste, etc.

nylon stocking or panty-hose filled with peat, etc.

wooden construction lined with plastic & clay

hatch for removing compost-earth after two year period