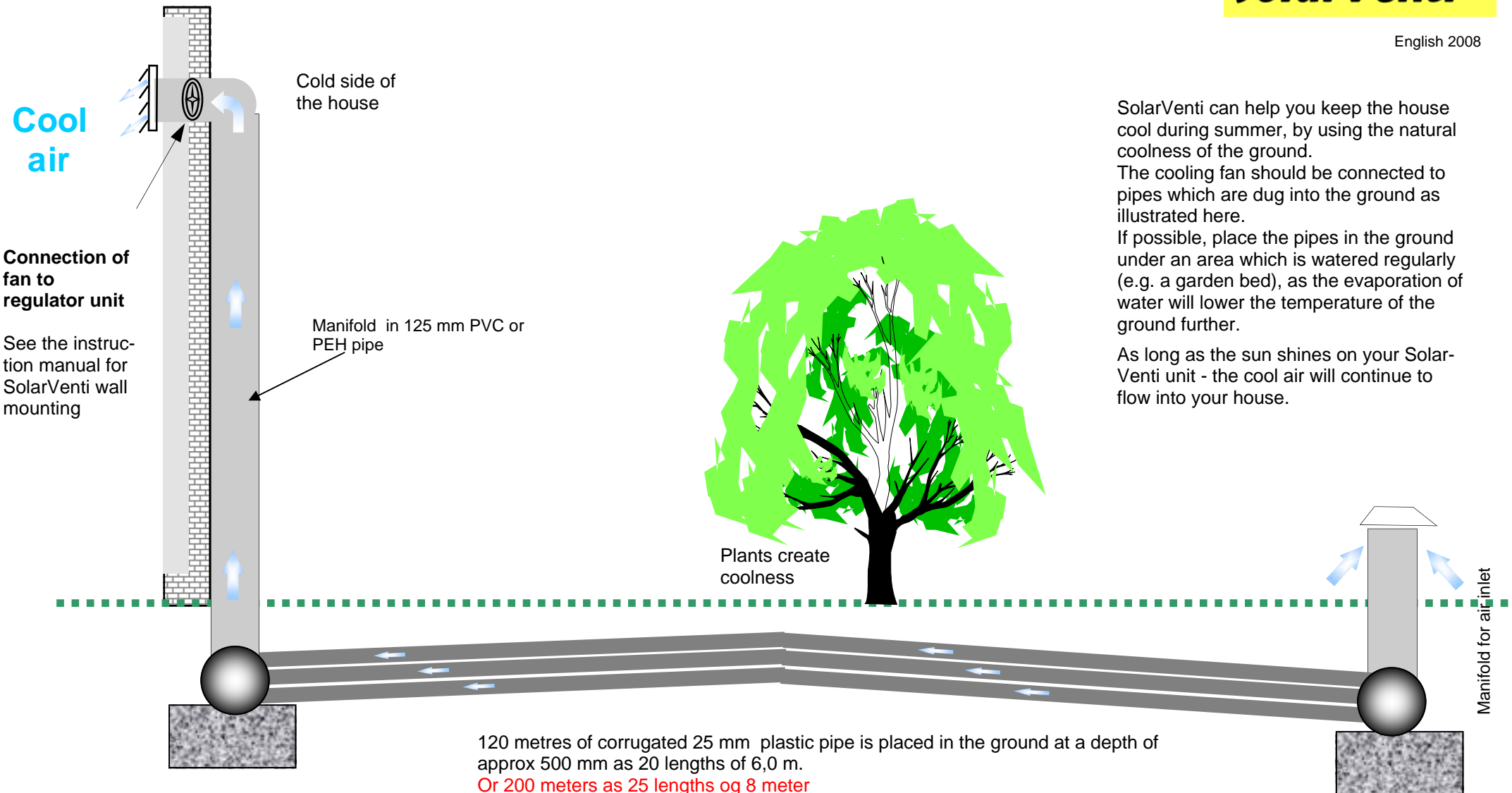


Instructions for installation of horizontal in ground pipes for cooling with SolarVenti



Cool air

Connection of fan to regulator unit
See the instruction manual for SolarVenti wall mounting

Cold side of the house

Manifold in 125 mm PVC or PEH pipe

Plants create coolness

Manifold for air inlet

Pebbles to allow drainage of water generated by condensation

Pebbles to allow drainage of water generated by condensation

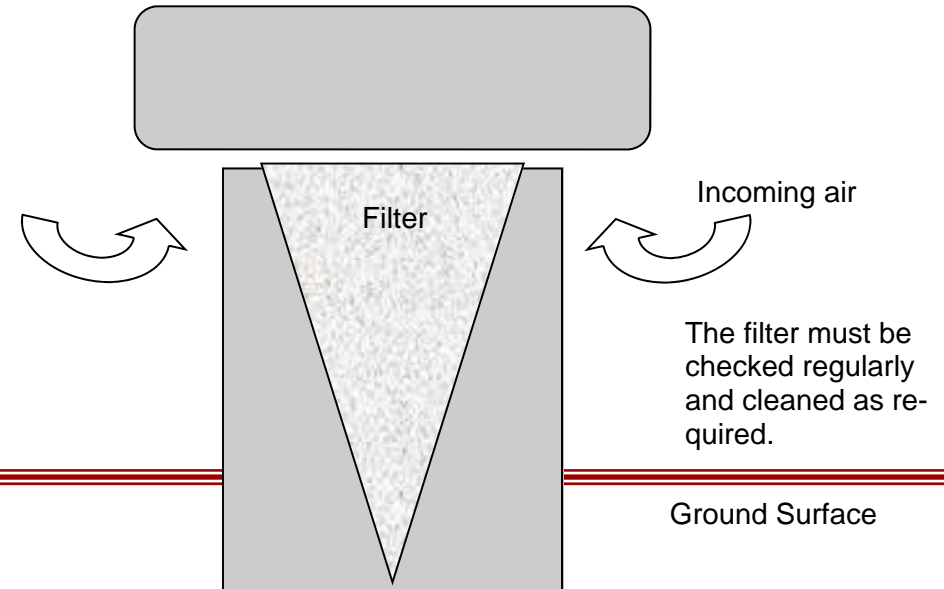
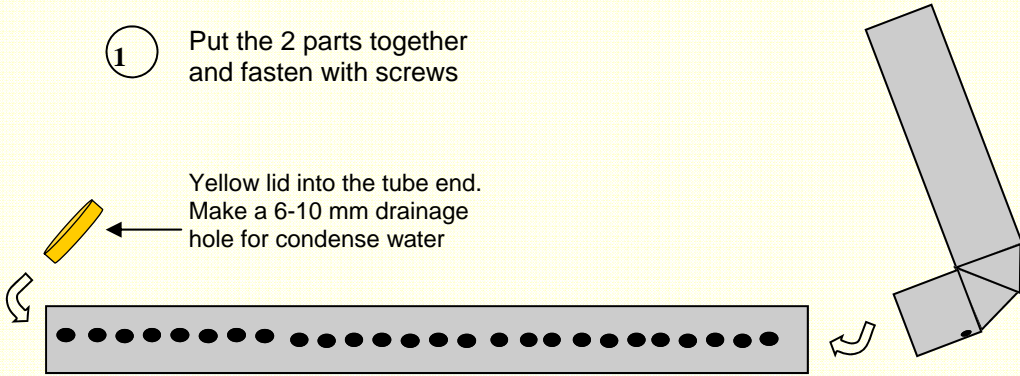
120 metres of corrugated 25 mm plastic pipe is placed in the ground at a depth of approx 500 mm as 20 lengths of 6,0 m.
Or 200 meters as 25 lengths of 8 meter

The pipes can be placed in many ways as long as you are aware of the following:
The highest point may be in the middle to ensure that condensation will run off into the drains at the bottom of the manifolds. The pipes may also be installed sloping only in one direction.
Ensure that condensation can not accumulate anywhere to prevent airflow through the pipe.
The pipes are connected to the manifolds by drilling 24 mm holes into the manifold and pushing the 25 mm corrugated plastic pipe into the drilled holes.

SolarVenti can help you keep the house cool during summer, by using the natural coolness of the ground.
The cooling fan should be connected to pipes which are dug into the ground as illustrated here.
If possible, place the pipes in the ground under an area which is watered regularly (e.g. a garden bed), as the evaporation of water will lower the temperature of the ground further.
As long as the sun shines on your SolarVenti unit - the cool air will continue to flow into your house.

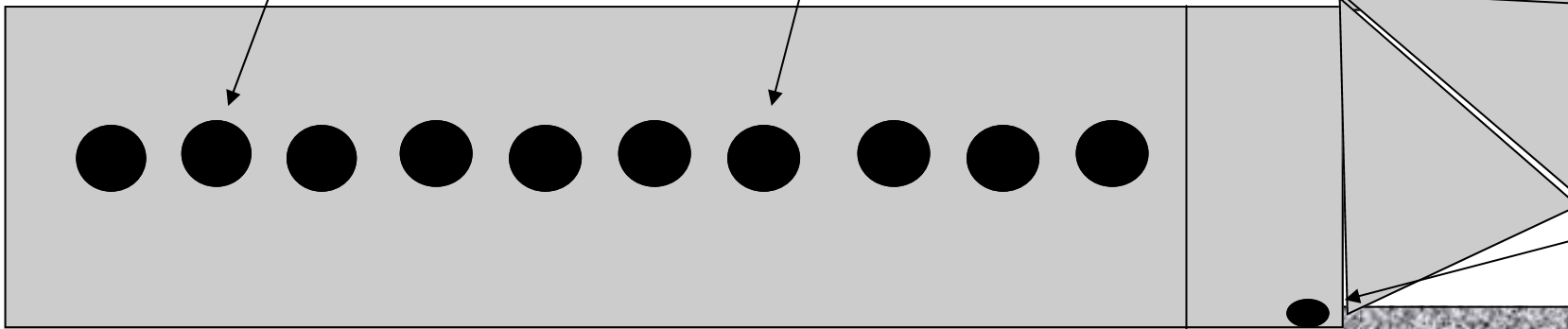
1 Put the 2 parts together and fasten with screws

Yellow lid into the tube end.
Make a 6-10 mm drainage hole for condensate water

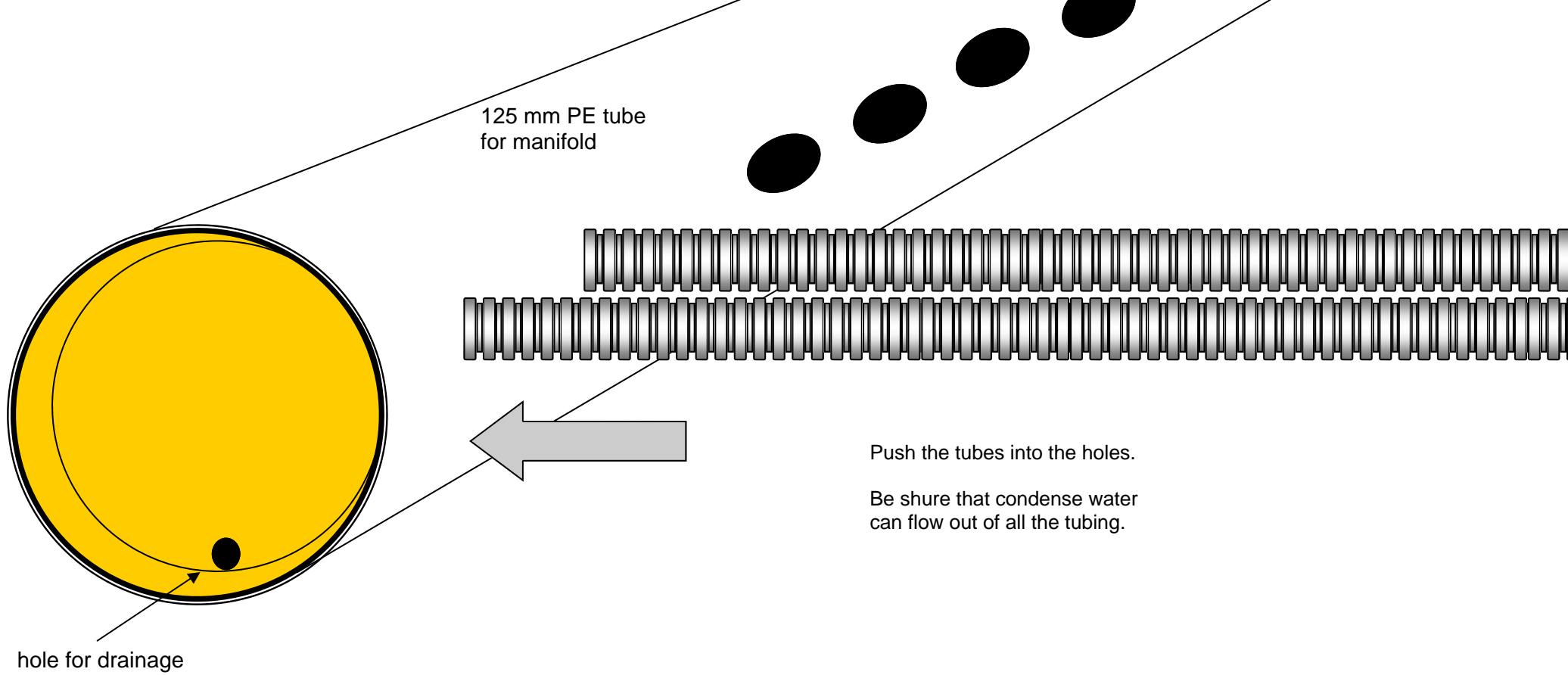


24 mm holes for 25 mm corrugated plastic pipe ensures the pipe is locked into position.

If you don't need all the holes, cut off the 125 mm tube or put in yellow lids



Drainage for absorbing condensation
E.g. pebbles.



Packing list earth cool kit horizontal 001195

Plastic:

- 100192** 2 stk. distributor Ø125 mm X 1500 m 25 holes
- 100193** 2 stk. elbows Ø 125 mm X 650 mm
- 100569/100570** 125 / 200 m corrugated Ø 25 mm

Ventilation:

- 100035** 1 stk. 90 degree Ø 125 mm'
- 100290** 1 stk. muffe Ø 125 mm
- 100305** 1 stk. filter
- 000210** 1 stk. roof lid Ø 125 mm
- 001090** 1 stk. ventilator in tube Ø 125 mm 6,2w/12V
- 000965** 1 stk valve frame Ø125
- 000170** 1 stk. inblow valve Ø 125 m
- 100072** 0,5 m aluflex Ø 125 mm
- 700041** 4 stk. screw 4x25 mm
- 100194** 10 stk. plastic lid Ø 24,5 mm type O 23
- 100195** 2 stk. plastic lid Ø 114 mm type C 1140



Horizontal placing of tubes in the ground

In order to create a maximum of cooling effect from the ground it is even more efficient to place the tubes as shown beneath. This takes more space in the garden - but if that is not a problem...

