

**WATER DISTILLER MANUAL FOR MODEL**  
**TC 500**  
**TC 501**  
**TC 502**  
**TC 503**  
**TC 506**



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## A. INSTALLATION

1. Connect water switch to tee pipe. (Every steps are shown in pictures below)
2. Instruction for installing the taste odor removal filter.
  - (i) Unscrew the screw in the lower right side in the back part of the machine.
  - (ii) Attach and screw the filter bracket.
  - (iii) Connect the flexible white tube from lower end of pre-filter to the distiller. (This is the flow direction of the raw water into the distiller.)
  - (iv) Check the flow direction of the filter.
3. Fasten the plastic water tube extending from the lower end of pre-filter to the hole on the left hand side of the machine.
4. Install the water dispenser that has the water gauge to the lower storage tank.
5. Instruction for installing activated charcoal.
  - (i) Pour activated charcoal into activated charcoal container until half fill.
  - (ii) Drip clean water to slowly flush out the fresh charcoal residue powder (which will flow out black charcoal residue) until the water become clear.
  - (iii) Placed the activated charcoal container on storing tank and push in the rubber tube.
6. Installation to the water source.
  - (i) Remove the tap from the basin.
  - (ii) Fix the connected Tee pipe and water switch to the join.
  - (iii) Connect back the original tap for raw water use.
  - (iv) Connect the flexible white tube from the upper end of pre-filter to the tap.
  - (v) Connect pre-filter as show in picture Step 5 (v). And observe the water flow direction.

Every steps are shown in pictures below:

### Step 1:



Tee pipe



Water switch



Connection of Tee pipe and water switch

### Step 2:



(i) and (ii)



(iii)



(iv)

**Step 3:**



**Step 4:**



**Step 5:**



Activated Charcoal Container



(i)



(iii)

**Step 6:**



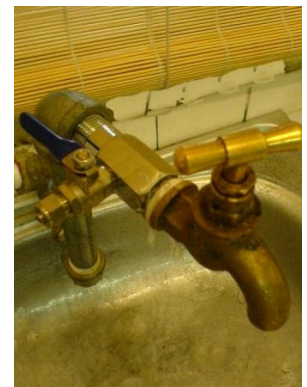
Before fitting



(i)



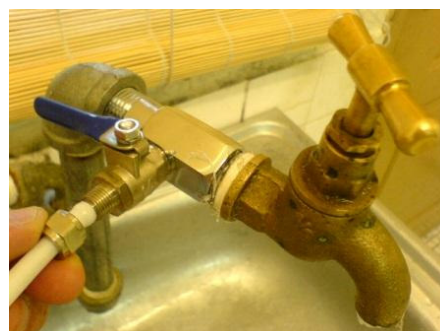
(ii)



(iii)



(iv)

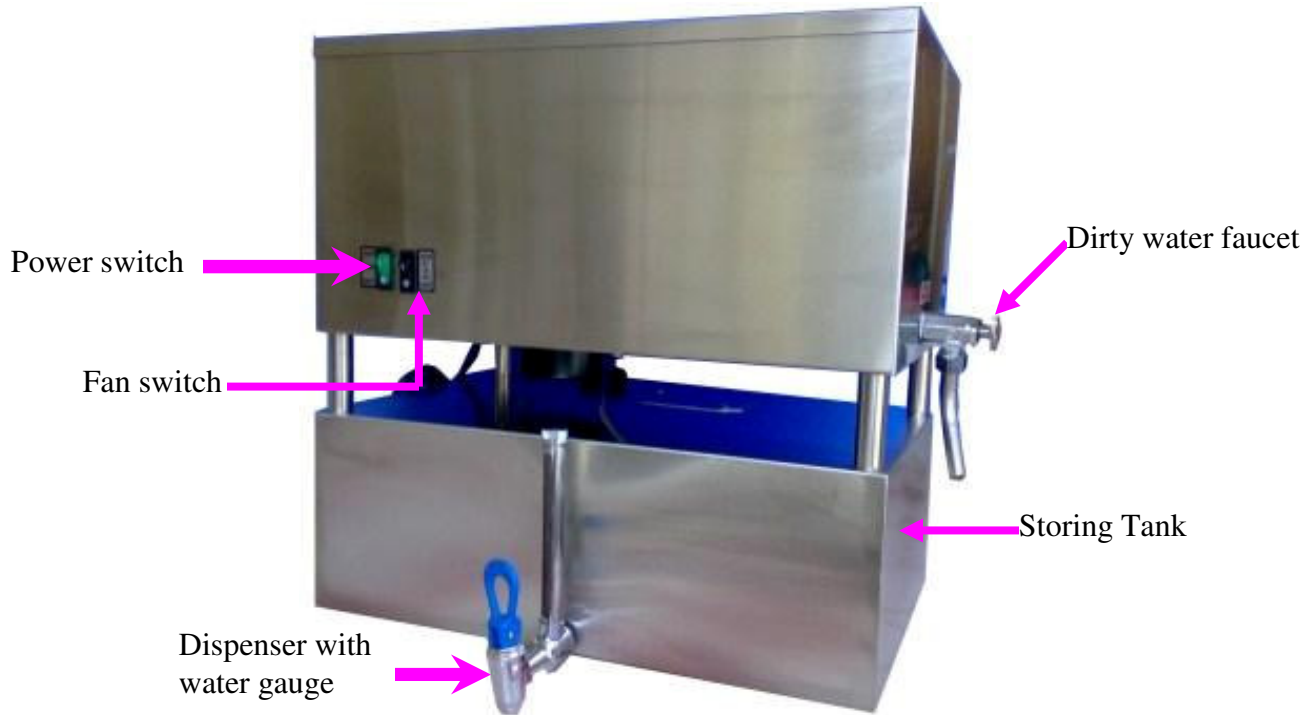


(v)



Fitting completed

## B. OPERATION



1. Turn on the water switch, then the power switch.  
Water now automatically flows to the boiling chamber and starts the distillation process. As the storage tank reaches its full level, the machine stops automatically. Even then, do not turn off the power switch so that the automatic water refilling process will not be cut off.
2. The grey switch is the fan switch which is to revitalize the activated charcoal, simply press the gray switch for 30 seconds when there is hot steam. Do this once every 2 months or so to activated the charcoal.

## C. MAINTENANCE

Once every 2 weeks or so, release the contaminated water from the upper tank. If the water supply is very dirty, do this more often. Regular discharge of the dirty water will make the general cleaning of the machine much easier later. To do this, first turn off the power switch, open up the faucet on the right side of the upper tank. The dirt water to be discharged (about 2000 cc) is very hot., so handle with care. Once emptied, close the faucet, turn on the power switch and the machine will go into normal operation again.

## **D. GENERAL CLEANING**

Clean up the inside of the boiling chamber inside the upper tank once every 3-6 months. Again this depends on how dirty the water supply is.

### **Steps to take:**

1. Turn off the power switch. Unfasten the 4 screws on the top cover, unscrew the 2 wiring nuts on top of the boiler. Remove the steel plate and the cover. Dig out all the crystallized stuff in the boiler.
2. Use vinegar or food graded citric acid crystals and pour it into the boiler, make sure the power switch is off, also leave the cover open, soak it for 2-3 hours, better still overnight, then clean the inside of the boiler thoroughly.
3. Once cleaning is completed, fix up the steel plate and fasten the wing nuts tight enough to ensure no steam will escape from the boiler during the distillation process.
4. If the cooling fan and the heat radiating coil are dirty, use a used tooth brush or a vacuum cleaner blower to blow and remove the dust, this is to enhance the condensation process.

## **E. SOME MOST COMMON PROBLEMS TO MACHINE MAL-FUNCTIONING AND HOW TO RECTIFY THEM**

1. Check if the power switch is on or not.
2. Make sure the water switch on top of the water pipe is turned on, also check if water supply is being cut off.
3. Check if the fan is working, if not, find out if the fan is clogged up by dirt which prevents the fan from rotating.
4. Check if the 2 inductors (one long and one short) hanging from the cover of the boiling chamber are clogged up by crystals/minerals.
5. If the above common problems are taken care of, and the machine still does not work, please call up your dealer to send a serviceman to check and repair.

## **F. WATER LEAKAGE**

1. Make sure the activated charcoal container is placed accurately on top of the hole leading to the storage tank.
2. Check all rubber tube for any leakage or crack.
3. If the water dispenser is leaking, try to tighten up the lid below the blue movable handles.
4. If the faucet that discharges the dirty water leaks, most probably it is due to a worn out rubber ring on the rotating shaft. Simply replace the rubber ring with a new one.