

WATER RESEARCH PROJECT

PROJECT NAME

Portable water purifier

HOW DOES IT WORK

Its basically the high tower water purifier we normally know but in a small size with every quality of the tall industrial tower. The portable water purifier works ion this manner

Step 1: pour water into the inlet of the small tower to the required liters (20L), as the watwer get poured in the will be a fillter filtering the water

Step 2: a chemical chlorin and florin will be added for germ disinfecting

Step 3: then the water will be transfered to the purifying tank thru a one way valve with a filter included

Step 4: the machine will acknowledge the presences of the water and ask to the turn on

Step 5: the water purifying process without chemical will start as the thed water will be heated to form steam that will travel to the condensor

Step 6: the gas will be stored in the condensor for 20 min to liquify

Step 7: then the water will be stored in a sedimentary tank for serving

WHATS REQUIRED

- 1) 3 stainless steel tank
- 2) 5 meter copper piper 0,6-9 inch
- 3) Liquid crystal monitor
- 4) Wire
- 5) Thermal detector
- 6) 4 one way valve
- 7) Alkane paper tests pages
- 8) 1 filter (15 cm radiaus) 2 filers (0,6-9 inch radiaus)

9) Programmable motherboard

- 10) 1 tap
- 11) Chemical chlorin and flourin
- 12) 0.2 inch steel sheet
- 13) Rust wax
- 14) Burning torch
- 15) Flux glue
- 16) Condensor
- 17) Insulation tape
- 18) 3 tripot stands
- 19) Water stopper