

DISTILLATION INSTRUCTIONS



Congratulations on your purchase of the new Mountain Home Biological master Distiller kit! This is the perfect, affordable distillation apparatus for the home scientist.

Assembly of your new distiller

- 1. Assemble support stand & attach the flask clamp to the vertical rod.***
- 2. Mount the condenser into the clamp & attach to boiling flask at ground glass fitting.***
- 3. Arrange the condenser so it is at a 45 degree downward angle, & place the catch vessel below the condenser outlet.***
- 4. Cut to length 2 pieces of rubber water supply hose. Attach each to the inlet & outlet fittings of the condenser. The lower fitting should be inlet & upper outlet.***
- 5. Attach the dual thread adapter to your kitchen sink (may have to remove the aerator).***
- 6. Attach the swivel connector to the adapter. If you need more distance, you can use a garden hose between the 2. Slide the water inlet hose onto the swivel connector.***
- 7. The water outlet hose needs to be able to drain continuously.***

Operation

- Always keep sufficient liquid in boiling flask to avoid melting/cracking the glass.***
- Start your water flow into the condenser. A low flow is sufficient as long as the water being released is cool. If it is warm, increase the flow slightly.***
- Turn on your heat source.***

Item list

- Support Stand, 20" tall with solid cast iron base***
- Flask Clamps, with cork-lined jaws and fully adjustable reach to 9"***
- Laboratory-grade Borosilicate glass Distillation Glassware 1000ml capacity (boiling flask and condenser)***
- 14/25 joint size, flask to condenser***
- Dial thermometer, 0-220 F with 2 degree graduations***
- Cooling water tubing and faucet adapters***
- 110V Heating, 1000ml size***