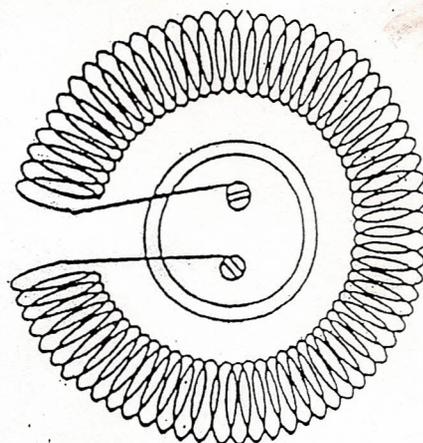


Instructions for Installing Heating Coils for RD80 Volatile Acid Stills and Cash Stills

Your new heating coil comes to you in its larval form; it is up to you to effect the transformation into its adult, living form. As with all instructions, read these through carefully before doing anything.

In the package is a tightly wound coil of resistance wire like a Slinky, about four to four and a half inches long. Take it out and straighten out about an inch and a half of wire at each end. Grasp the coil in the middle and pull it a little; it will feel like a spring. You need to pull it enough that when it is relaxed there is a little space between each coil, with no adjacent coils touching, over the whole length. This will take stretching quite a bit before you overcome the springiness. You can pull it gradually in sections; start easy until you get a sense of how much stretch is necessary. A little variation in the spacing is okay. When the total relaxed length of the coil is about eight inches, and all the coils are separated, stop.

Take the cordset in hand and wrap one end of the straight part of the coil around one of the two screws at the end of brass posts emerging from the rubber stopper. Two wraps around the screw are enough; bring the straightened part of the wire out perpendicular to the line of the two posts. Screw the screw down tight. Do the same for the other end of the coil, bringing the straight part of the coil out on the same side as the first, so they are parallel (see drawing). Bend both wires so that when the coil forms nearly a full doughnut, the coil will center on the rubber stopper, but the two leads or the ends of the coil are not touching. Squeeze the doughnut so that it will fit through the screw threaded neck of the still, and slide it in. The straight part of the wires coming from the brass posts should still be running separate and perpendicular and away from them; the coil should be in its doughnut form and resting flat in the glass flask. Make sure that the straight wires are not touching each other or any other part of the coil. Insert the rubber stopper part of the cordset into the flask, engage the white threaded ring onto the threaded neck of the flask and tighten it. Attach tubing to the glass drain tube and close it with the pinch clamp. Put some distilled water into the flask and make sure it doesn't leak; if so, tighten it again. You are now ready to distill again.



Viewed from above.