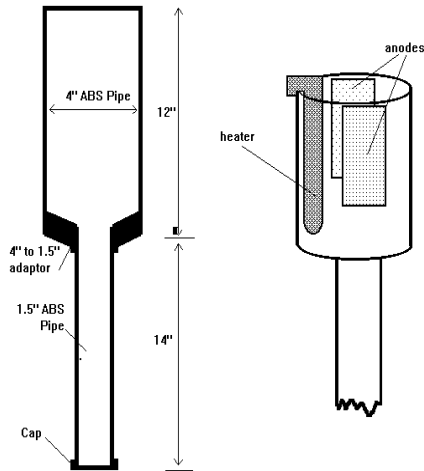


THE WORONKO PLATING CHAMBER



This ingenious tank was developed by Mr. Henry Woronko, a customer of ours.

The set up is extremely simple and inexpensive to make, and can plate parts up to 6 feet long, if adapted.

Once the tank is assembled, it should be wrapped in fiberglass, or pipe insulation and covered with plastic sheet to protect it from the splashing chemicals.

Seal it with duct tape. This will keep the temperature constant which is a major consideration when chrome plating.

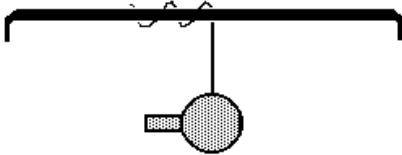
Increase the solution's recommended temperature by 20 deg. F when using this set up, as the larger and cooler part will drop the temperature as it is introduced to the system. This particularly applies to chrome plate.

All our procedures can be used in the tank, de-plating, anodizing, and all other plates. Ensure you rinse the tank thoroughly between changes! If you chrome plate, make a special tank, specifically for the purpose, and do not use it for any other type of plating, otherwise you will contaminate your solution.

The Woronko Plating Chamber is operated by hanging the long thin part into the fatter area of the chamber, and held there until that section of the piece is plated. As soon as there is sufficient plate, the piece is lowered, so the plated area now drops into the lower, thinner section of the tank. The process is repeated until the entire item is plated. There will be no 'tide marks' or bumps in the plate using this technique. Extra long items could be plated down one half, then turned around and plated from the other end.

MAKING A TANK BAR

Using a hammer, flatten about 1.5" of each end of a 1/2" x 14" copper pipe. On our 1 to 5 gal plating kits, use a 1/4" diameter pipe. On the 15+ gal kits, use a 1" pipe. Bend the ends at 90 degrees, so that they fit over the outside edge of the tank. These bars will be used to suspend parts in the tank.



For most applications, simply wrapping the wire from the part around this tank bar several times is sufficient. However, to ensure good electrical contact, you may wish to drill several holes along the length of the pipe and insert some brass bolts & secure with nuts. The part's wire can then be affixed to these bolts and locked into place with another nut.

Keep the bar clean by occasionally scrubbing with wire wool. This ensures a good electrical contact. You may plate the bar with a nickel plate to reduce corrosion. Use these tank bars as your first plating job!

If you are going to hang really heavy articles in a larger tank, cut a steel reinforcing bar, and coat it with epoxy paint, then insert it inside your copper pipe. This will dramatically increase the tank bars holding capacity.