

FIGURE 2

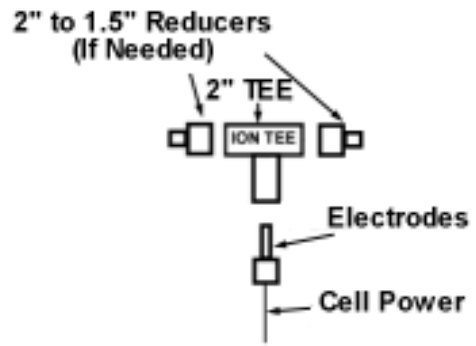


FIGURE 3

## ALMOST HEAVEN WATER PURIFIER OPERATION

Mostly all of our ionizer competitors recommend that you shock your pool with chlorine weekly, but most of our customers want to avoid the hazards and odors of chlorine, so we recommend that you purchase some potassium peroxydisulfate at your local pool and spa store to use as a weekly shock. It's available under a wide variety of trade names (perhaps with a slightly different chemical name), is faster acting and won't offend your nose and skin like the chlorine. We believe it's also gentler on your electrodes, too. Always begin by shocking a fresh fill according to the chemical manufacturer instructions. NOTE: If your pool is uncovered and **subject to periods of extended and extreme rainfall**, as with any other method of water treatment, the ionizer may become overtaxed. In such cases, it may be appropriate to use chlorine instead for the weekly oxidizing shock, and you may also want to add some non-copper based algacide as well.

1. Turn on the pool pump. Test the pool water and make sure the water is properly balanced and shocked. Test the pool water with the copper test kit to see if there is copper already present in the pool. If copper is already present it may be from a copper based algacide or from a previous pH problem. **WARNING: If your pool has been using Bacquacil or any similar sanitizer, either drain and refill it, or at least make sure your pool water has been properly changed back to a chlorine pool before proceeding.** NOTE: The sanitizing ions have been known to stain certain newly applied pool finishes, so a newly finished pool should be permitted to cure completely before the ionizer is connected.
2. Add the Instant Ions to your pool according to the directions on the label. Do not add Instant Ions until the pool water is shocked and balanced so that it is not used up.
3. Turn the controller output to MAX. Switch the power to ON. The power light and the cell power light should come on. The cell power light will change color from green to red every few minutes to indicate the cleaning circuit is operating properly. The cell power light is on when the cell has power. Turning the control down decreases the percentage of time the cell has power from 100 to 0%. The service light will come on if the electrodes need to be replaced, if the water is fresh and the output current is too low, or if there is a problem with the system. If the water is new and fresh and the service light comes on, you will need to add 20 pounds of salt to your water per 10,000 gallons. If the service light should come on after being in service for some time, check the electrodes for wear.
4. Turn the pump timer off and make sure the controller power turns off also. Turn the pump timer back on and make sure the controller power is on. Now you can stop using halogen sanitizers! All you need to do is shock your pool with the shocking agent (or chlorine) about once a week, or any time the water begins to cloud.
5. Test the ion level at least once per week until you have found the proper setting for your pool. Now you should only need to test the ion level once or twice a month because the ion level does not dissipate like other sanitizers.

Do not over ionize your pool. When the copper level reaches 0.3 ppm turn the control down and adjust as necessary to maintain 0.3 ppm. You will automatically have the proper levels of silver and zinc if your copper level is correct. If the copper level reaches 0.5 ppm turn the Ionizer off until the level drops to 0.3 ppm. If algae are ever present shock the pool until all algae are gone and/or add a non-copper based algacide on a regular basis. At least once a year remove the ion cell, clean the electrodes with a stiff brush and inspect them for wear. Always ensure that the electrodes are installed so that the black line is in line with the water flow.

When operating in the winter in mild climates, or in spring or fall in cold climates, when the water is cooler than normal, you will need to set the output control to a lower setting to maintain 0.3 ppm copper. Continue to maintain pool chemistry until your water temperature drops to 60 degrees. Do not operate below 50 degrees F or 10 degrees C. If you're in a freezing climate, and you winterize your pool water and pool equipment, turn the power switch to off on the controller, when you turn off power to the pool equipment. Remove the cell from the tee fitting and drain all water from the cell. Clean electrodes if needed. Replace the cell leaving the nut just loose enough to allow water to leak out if it gets in the cell. Tighten cell before operating pool equipment.

Keep these instructions in a safe place.

**DO NOT USE A STAIN & SCALE PREVENTER** in your pool if you are using the Water Purifier. Stain & Scale Preventer is only ever needed if you have water from a well with high concentrations of metal, lime, etc. Although Stain & Scale Preventer is designed to sequester ions of iron and calcium, it will also do so to the copper, zinc and silver. If you have a serious staining and scaling problem, it should be treated at the point where the water enters the home so as to protect all the other plumbing and fixtures in the house.