

# Zapp Pure

## Info Download



ZP-5/1200

ZP-10/2400

ZP-20/3300

ZP-40/4400

If after reading these instructions you feel you still need some guidance feel free to give us a call at 866-712-7007 or 405-440-0000

## *Congratulations*

on your new **Zapp Pure UV**

You have chosen the finest UV on the market. Let's take a look at it and its features.

One of the most important features of the Zapp Pure UV is that it is made of 316 stainless. 316 stainless is normally only found on very expensive industrial strength UV's. Most stainless steel UV's made for the pond industry are made of lower quality 304 stainless.

The "Leak Tite Assembly" is made entirely of stainless steel. This is important as the high intensity lamp produces a lot of heat. Being of stainless steel means no warpage or failure due to heat. Other stainless steel UV's will use plastic "Leak Tite Assemblies" in this most critical area and experience high failure rates.

The vessel diameter of 4" was carefully chosen as being the optimum diameter to keep the water close to the lamp and still not cause flow restrictions. Some UV's use vessels that are only 2" and cause restriction while others use unusually large diameter units. Large diameters don't provide close enough proximity to the lamp for adequate exposure.

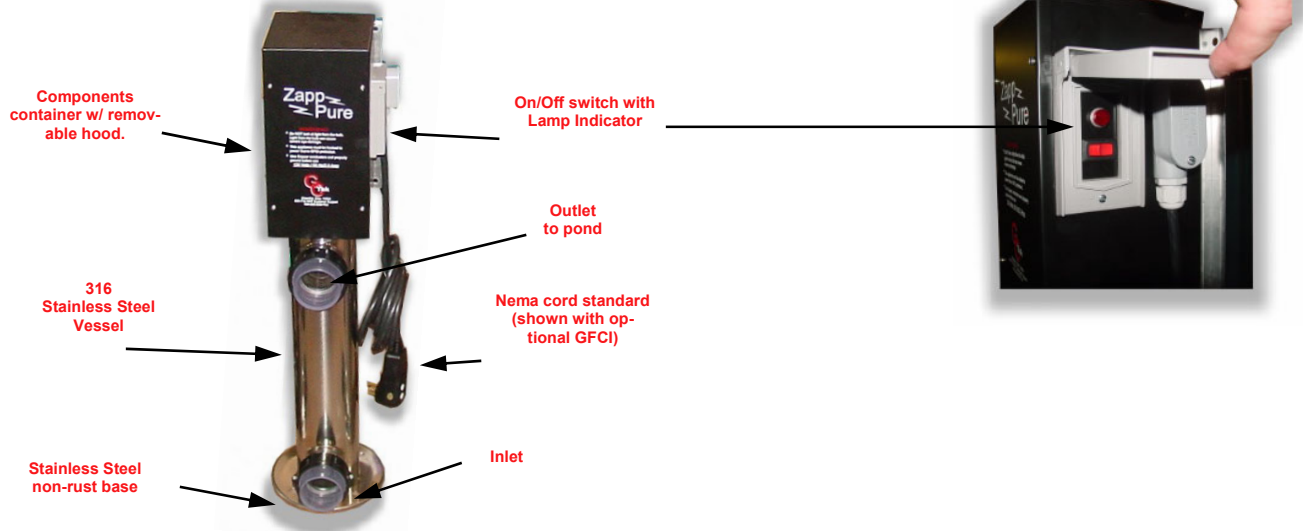
Ballasts that are used in the Zapp Pure units were carefully chosen "Electronic Ballasts" and not the troublesome "Mechanical Ballasts".

Adjustable pressure switches were used in the Zapp Pure Units to shut the UV off when the water flow is shut off.

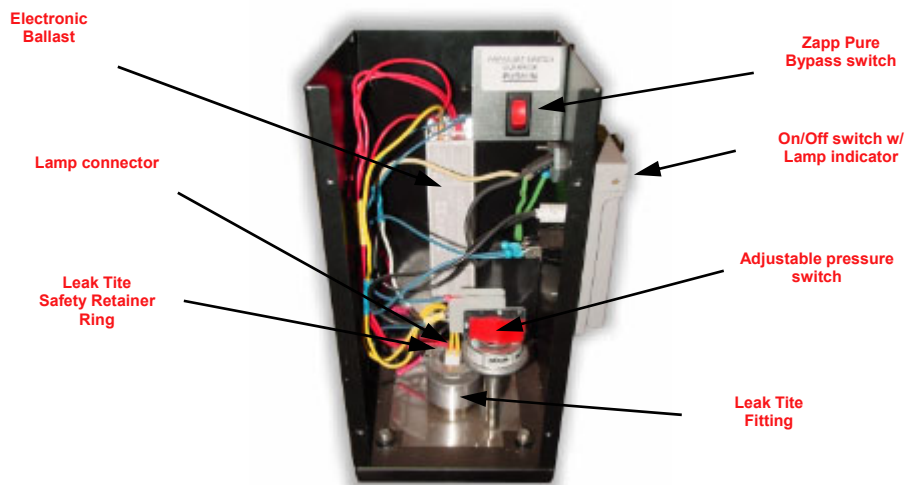
Pressure switch "Bypass Switch" has been incorporated in the Zapp Pure to facilitate trouble shooting.

Rest assured that quality was the main consideration when your **Zapp Pure UV** was designed and assembled.

# Getting to know your **Zapp Pure UV**



Taking a few minutes to get to know the different components of your **Zapp Pure UV** will assure that you are using it to its maximum potential.



**!!!! Remember !!!!**

**Disconnect power before servicing unit!!!!!!!!!!!!!!!!!!!!**

# Maintenance of your Zapp Pure

Taking care of your Zapp Pure is a snap. Periodically in areas with hard water you may need to clean the quartz tube inside the UV.

This is easily accomplished by removing the 6 small screws that hold the "Hood" on the unit.

**Always disconnect the unit from electricity before making repairs on the unit!**

Remove the quartz tube "Safety retainer" by unscrewing the two screws that secure it to the "Leak Tite Nut".

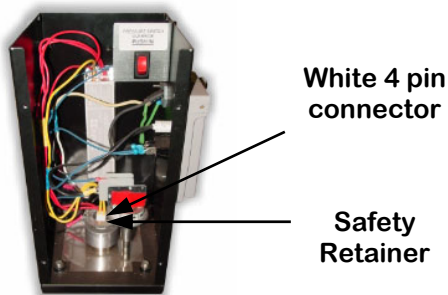
Now lift up on the wires that connect to the lamp and remove lamp from its white 4 prong connector. Set lamp aside until later.

Carefully loosen "Leak Tite Nut" with a pair of adjustable jaw pliers.

Carefully lift out the quartz tube with your fingers. In case the quartz tube appears to be difficult to pull out, try this: Try inserting a pair of plastic tongs into one of the two side vessel opening and gently lifting upward. Another way that you might find useful is to take Duct tape and push about an inch inside the quartz tube, from the top, with your finger pressing against the inside of the tube until securely gripping the tube. Make a hoop out of the Duct tape that allows you to gently pull up and out. **The quartz tube is very fragile, be careful and wear protective gloves and eye protection to perform this operation.**

Clean the quartz tube with a mild vinegar or acid solution. Then reassemble being careful not to over tighten the quartz tube "Leak Tite Nut".

## Changing the lamp in the Zapp Pure unit



1. Disconnect the power source.
2. Remove the hood by removing the 6 screws that secure in in place.
3. Remove the "Safety Retainer" by removing the two set screws.
4. Gently pull up on the wires connected to the white 4 pin connector.
5. Grab hold of the lamp with one hand and the 4 pin connector with the other and then gently "wiggle and pull" until lamp is detached from the 4 pin connector.
6. Carefully slide the lamp out of the unit.
7. Replace with a new Zapp Pure only lamp. Wipe any finger prints off of the lamp before installing.
8. Reconnect the 4 pin connector.
9. Reinstall the "Safety Retainer".
10. Replace hood and you are ready to go.

**The lamp in your Zapp Pure unit is rated at 9000 hrs of life.**

**For best water quality most people find that changing out the lamp in the spring will give the most efficient service from the unit.**

**Replace lamp with only genuine Zapp Pure replacement lamps.**

**Never look at a UV lamp when it is on. Severe eye damage can result!**