WHAT IS RENAISSANCE?

**Graphic: Vertical chamber with blue light**

The first functional water sterilization system specifically designed for residential swimming pools. Combining UV irradiation with the oxidation power of Ozone, Renaissance will sterilize pool water to eliminate 99.99% of organic materials at flow rates from 20gpm-100gpm.

HOW IS RENAISSANCE DIFFERENT THAN OTHER SYSTEMS OF THIS TYPE?

**Graphic: Simplified manifold shot from trifold.**

There are two primary differences: First is the ability of Renaissance to properly regulate water flow through the sterilization chamber at flow rates from 20-100gpm. The patent pending design diverts the proper amount of flow through the sterilization chamber regardless of the pump size or setting.

**Graphic: Comparison Chart**

Second is the patent pending design brings the price down so the entire UV/Ozone system costs about the same as systems that provide only UV or Ozone alone.

HOW DOES THE SYSTEM WORK?   
**Graphic: Manifold**

Using the existing pool pump, water is circulated through the UV/Ozone chamber containing a special bulb that produces both UV light and Ozone. Water is sterilized in the chamber while Ozone is siphoned off the bulb by a special patented process and injected into the water flow as well. There are no moving parts. The Renaissance bulb has a life expectancy of 14,000 hours and costs less than $100 to replace.

WHAT HAPPENS INSIDE THE STERILIZATION CHAMBER?

**Graphic: Cross Section with new sequence of callouts**

When water is exposed to UV light at a specific wavelength, organic contaminants such as bacteria, algae and viruses are sterilized. This UV light renders contaminants sterile and not harmful to humans, which is why hospitals, doctors and dentists use UV light to sterilize their instruments.

Ozone is a gas and is a very powerful oxidizer, 200 times more powerful than chlorine. Ozone molecules react with organic contaminants in water and oxidize them out of the water quickly and efficiently.

When these two processes are used in combination, it produces hydroxyl free radicals inside the chamber which is called the Advanced Oxidation Process (AOP). The result is the purest, healthiest water that can be achieved only when using UV and Ozone together.

IS CHLORINE NECESSARY WHEN USING RENAISSANCE?

**Graphic: Chlorine Molecules**

A miniscule residual (less than 1 part per million) is suggested as a supplement for those times when the pump is turned off and water is not circulating through the UV/Ozone chamber. But there is so little required that you won’t notice any effect on skin, eyes or nasal passages.

HOW MUCH WILL CHLORINE USAGE BE REDUCED?

Up to 80% reduction in chlorine and ancillary chemicals (algaecide, clarifier) is typical when Renaissance is used for at least 12 hours daily. A higher percentage can be saved by running the system for more hours.  
**Graphic: Bar Graph showing 80% reduction with Renaissance vs w/o Renaissance**

WHO SHOULD BUY RENAISSANCE AND WHY?

**Graphic: Pool under construction**

Primarily the pool builder and pool remodeler. The opportunity to earn an additional $800-$1200 per pool while satisfying the pool buyer’s desire for a chemical free pool is a powerful incentive for both parties.

Plus, Renaissance is outside the bundle of equipment offered for new pool packages so there is no conflict with other equipment packages.

HOW IS THE SYSTEM ASSEMBLED?

**Graphic: Manifold with arrow pointing to tube on barb**.

The entire manifold is factory assembled. The only field assembly required is attaching the quarter inch ozone delivery tube to the barb fitting after inserting the UV bulb into the chamber.

HOW IS THE SYSTEM INSTALLED?

**Graphic: Manifold with pipe inserted into ends and arrow showing horizontal mount**

The manifold must be installed horizontally. To install, cut 12 inches of pipe and glue the manifold into place. Mount the Power Supply to a vertical surface and wire to the power source of the pump. That could be the timer or, in the case of a variable speed pump, to the pump itself. Very little time required to install.

WHAT IS THE EFFECT OF THE SYSTEM ON FLOW AND PRESSURE?

**Graphic: Pressure Gauge**

The Renaissance flow control valve automatically provides proper flow to the UV/Ozone chamber at flow rates from 20-100 gpm. Adding the entire manifold to the plumbing will increase pressure less than 5 psi at 100 gpm and adds only about 5 feet of dynamic head at 100 gpm. There is little effect on the overall plumbing system.

WHAT IS THE WARRANTY?

**Graphic; Warranty logo with “3” inside**

-Three years on the sterilization chamber  
-One year on the manifold and power supply  
-Three months on the bulb (excluding shipping damage)

110V or 220V?

**Graphic: photo of 3 prong plug and pigtail side by side**

There are two models with separate item numbers. The 110V version comes with a three prong plug and the 220V version comes with a pigtail hard wire connection.

DEALER INTRODUCTORY OFFER

**Graphic: Try Me Sheet**

DISTRIBUTOR INTRODUCTORY OFFER

**Graphic: Distributor Spring Buy Sheet**