Tyent Water Ionizers 101 Study Guide

Tyent Water Ionizers 101

- Review of the Basics
- Tyent Electrodes
- Power Supply
- PComputerized Control System Features
- Filtration System

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Review of the Basics

- Every water ionizer is made up of four key components:
  - Electrodes, also commonly referred to as “plates”
  - Power supply
  - Computerized control system
  - Filtration system
- The quality and capacity of these key components determine how well a water ionizer will perform.
- The quality and capacity of the key components also determine and how long a water ionizer will last.
- Ultimately, customer satisfaction with any product comes down to how easy it is to use and maintain.

The quality and capacity of both the electrodes and the power are the most important components when it comes to producing the best possible ionized alkaline water.

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Tyent Electrodes

A water ionizer's electrodes may be solid, mesh, or solid/hybrid mesh. Textured electrodes offer higher electrical conductivity.

- Every Tyent water ionizer will have at least 7 high quality platinum-coated titanium electrodes.
- Tyent only uses solid/mesh hybrid electrodes in their water ionizers.
- To create these solid/mesh hybrid electrodes:
  - A solid titanium plate is used
  - Small holes are cut into the plate at specific intervals
  - The titanium electrodes are repeatedly dipped in platinum and baked to ensure effective and long-lasting coverage for maximum long-term electrical conductivity.
- Tyent developed this solid/hybrid mesh electrode design to combine the stability and integrity of a solid electrode with the enhanced electrical conductivity of mesh.

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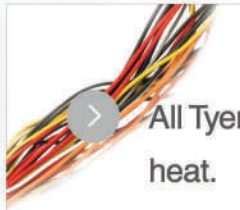
Power Supply



- All Tyent water ionizers use an SMPS-Plus power supply for the most effective delivery of electrical current without generating excess heat.
- Because Tyent's SMPS Plus power supply operates at lower temperatures than transformer power supplies, the risk of premature wear on the electrodes, electrical or computerized components is significantly reduced.
- Tyent's TURBO 7070 water ionizer operates at a maximum of 285 watts of power.
- Tyent's 9090 TURBO Extreme and UCE 9000T water ionizers both operate at a maximum of 375 watts of power.

Tyent's SMPS Plus power supply allows effective use of higher wattage for producing the strongest possible water without risking damage to the electrodes, computerized control system or other internal components.

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Computerized Control System Features

- Allows the user to customize individual presets for optimal performance based on unique source water conditions.
- Provides audio and visual guides for daily use and in advanced setup mode.
- Monitors system performance and provides audio/visual alerts in the event of any problem with the system.
- Controls automated cleaning cycle and allows users to manually run additional cleaning cycles if needed.
- Regulates system safety features like “automated shut off” to prevent overflow if the unit is accidentally left running.
- Monitors filter life and alerts user when it is time to replace the internal filter.
- Regulates water flow for optimal performance.

Tyent’s advanced computerized control system was designed to allow users full control to customize based on their source water while offering maximum ease of use.

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Filtration System

- Every Tyent water ionizer has a dual internal filtration system for effective removal of common contaminants.
- Tyent water ionizers have the largest internal filtration system in the industry.
- Tyent's first filter is Activated Carbon which reduces sediment and removes chlorine and other common contaminants that can cause a bad taste or odor.
- Tyent's second filter is a KMP ceramic filter:
  - K ceramics are recognized world-wide for their ability to eliminate harmful microorganisms.
  - M ceramics purify water and stabilize mineral ions in the water.
  - P ceramics enhance the electrical conductivity of the water.

The more time water spends in contact with filtration media, the more effectively contaminants are removed – this is why Tyent built their water ionizers to house the largest filtration system available in the industry today.