

# CLEARWATER™

## POOL SYSTEMS

*The Healthy Alternative to Chlorine*

*Combination Mineral Ionization / UV Ozone System  
Model # Aqua Elite 50*



*Handles up to 50,000 gallons*

**SPECIFICATION SHEET**

# AQUA ELITE 50 IONIZER & OZONE SPECIFICATION SHEET

## IONIZER SPECIFICATIONS:

**POOL SIZE:** up to 50,000 U.S. gallons

**IONIZATION METHOD:** electrolysis of copper or copper/silver alloy electrodes

**ELECTRODE CHAMBER:** 2" schedule 40 tee with bushings for 2" or 1 1/2" PVC pipe

**ELECTRODE:** one set 3" long, comprised of copper (CLE-02)

<b>HEAD LOSS:</b>	<b>Flow Rate</b>	<b>Total Head Loss (psi)</b>
	25 gpm	0.06 psi
	50 gpm	0.21 psi

**Hydrostatic Pressure:** Maximum Recommended Pressure: 50PSI

**Ion Production:** With the output set to: 250mA this ionizer produces 179mg of copper ions per hour  
400mA this ionizer produces 287mg of copper ions per hour

These measurements were made with the following conditions:

Electrode Used: CLE-02

Water Temperature: 72.7 °F

Total Chlorine: 0

pH: 7.45

TDS: 347 mg/L

Hardness: 215 mg/L

Total Alkalinity: 85 mg/L

## OZONE VACUUM ULTRAVIOLET SPECIFICATIONS:

**Ozone Method:** Vacuum ultraviolet lamp produces ozone that is injected into the pool by a vacuum venturi injector to oxidize materials in the water

**Ozone Output:** 1.26 ppm ozone concentration (independent 3rd party testing)

**VUV Lamp:** Estimated 9,000 hour life span

## Electrical Specifications:

**INPUT VOLTAGE:** 110/240 VAC @ 50/60 Hz

**INPUT CURRENT:** 1 A MAX @ 110VAC

**INPUT POWER:** 25 W MAX

**IONIZER OUTPUT VOLTAGE:** 24V DC

**IONIZER OUTPUT CURRENT:** Adjustable in 12 increments from 0 to 400mA DC

**CIRCUIT PROTECTION:** internal fuse and input MOV line surge protection @ 3KV

## Mechanical Specifications:

**ENCLOSURE MATERIAL:** Extruded Aluminum - 6063-T% Electro-Chemical etched exterior that converts the metal surface into a decorative, durable, corrosion-resistant, anodic oxide finish.  
End caps – NEMA 4 ABS 94VO material with silicone sealing.

**ENCLOSURE DIMENSIONS:** 9.5" x 3.5" x 16"

**SHIPPING WEIGHT:** 20 lbs

**PACKAGING/SHIPPING BOX DIMENSIONS:** 24" x 12" x 10"



## Other Specifications

**OPERATING TEMPERATURE RANGE:** 32 to 110 degrees Fahrenheit

**WARRANTY:** 3 years, parts and labor - excluding electrodes



**Package includes venturi injection kit manifold**

