



*A revolution in water purification*

**MineralPURE™**

**SCALEBLASTER™**

***Residential Copper/Silver Ionization System  
Model # RC-50***



***Premium Model -- handles up to 50,000 gallons***

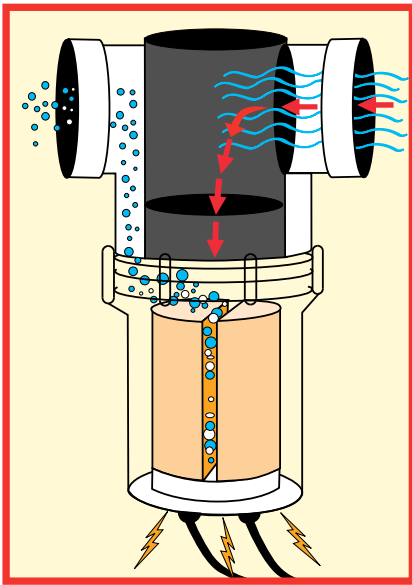
# Copper/Silver Ionization / Electronic Descaler

- \* *Enjoy crystal clear water*
- \* *No more red eyes, itchy skin*
- \* *Save money on chemicals used*
- \* *Environmentally friendly product*
- \* *Uses safe, natural minerals*



The all new RC-50 model is the most advanced copper/silver ionization system in the world! State-of-the-art microprocessor designed model features a large LCD display for easy monitoring. Features 120 precise settings in 5mA increments, "check electrode" status and more. Unique flow-cell chamber allows for visual inspection of the electrodes and easy replacement without tools. Automatically adjusts to 115VAC or 230VAC upon installation. Dynamically adjusts output voltage to match electrode load conditions extending the life of the control unit and saving as much as 60% in electricity usage. Will work on much lower TDS levels than any other unit and will work much more efficiently on "worn-out" electrodes than before.

As an added bonus, the unit has a built-in ScaleBlaster, the electronic descaling system, that will remove scale build-up on pool walls, pipe, pool equipment and more without any maintenance!



## Features:

Dynamically adjusts output voltage to match electrode load conditions extending the life of the controller unit and saving as much as 60% in electricity usage.

Unit auto adjusts to input voltages from 90 to 260 VAC.

The display is larger, more informative, and easier to read.

Microprocessor controlled

## RC-50 IONIZER SPECIFICATION SHEET

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

**INPUT VOLTAGE:** 90 to 264 VAC, at 47 to 63 HZ, auto switching

**INPUT CURRENT:** 30 Arms max. at 120VAC, 60 Arms max. at 240VAC

**INPUT CURRENT:** (in rush, cold):

.5 Arms at 120VAC, .25 Arms at 240VAC

**INPUT POWER:** 3.6 to 20 Watts

**OUTPUT VOLTAGE:** 6VDC to 20VDC, Auto Ranging

**OUTPUT CURRENT:** Adjustable in 5mA increments

0 TO 600mA DC in analog mode

0 TO 600mA DC average in pulse width modulation mode

**CIRCUIT PROTECTION:** internal input fuse, both on high side and low side, input line spike/surge immunity to IEC 61000-4-5, level 3

**FUSES:** 1 ea 1A, 250VAC, 5x20mm, fast acting

1 ea 3.15A, 250VAC, 5x20mm, fast acting

1 ea 2A, 250VAC, 5x20mm, slow acting

**IONIZATION METHOD:** electrolysis of copper/silver alloy electrodes by a microprocessor control circuit

**ELECTRODE:** one set 3", 99% copper and 1% silver

**ELECTRODE CHAMBER:** specially designed 2" black tee with bushings

**ENCLOSURE:** weather resistant NEMA 12 rated high impact corrosion resistant thermoplastic with hinged polycarbonate cover

**ENCLOSURE DIMENSIONS:** 8 1/2 x 10 x 6 inches (w x h x d including mounting brackets)

**OPERATING TEMPERATURE RANGE:** 32 - 110 degrees F

**WARRANTY:** 5 years, parts and labor, 100% covered

**SHIPPING WEIGHT:** 12 lb.

**CARTON DIMENSIONS:** 22 1/4" x 11 1/4" x 6 5/16"