

MineralPURE[®]

The Healthy Alternative to Chlorine

*Residential Pool Ionization System & Electronic Descaler System
Model # RC-50*



Premium Model - Handles up to 50,000 gallons

SPECIFICATION SHEET

RC-50 IONIZER SPECIFICATION SHEET

Water Specifications

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

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

ELECTRODE CHAMBER: 2" black tee with bushings for 2" or 1 1/2" PVC pipe

ELECTRODE: one set 3" long, comprised of copper (CLE-11)
or optionally available copper/silver alloy (CLE-42 or CLE-44)

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

Hydrostatic Pressure: Maximum Recommended Pressure: 50PSI

Ion Production: With the output set to: 300mA this ionizer produces 215mg of copper ions per hour
600mA this ionizer produces 430mg of copper ions per hour

These measurements were made with the following conditions:

Electrode Used: CLE-11

Water Temperature: 72.7 °F

Total Chlorine: 0

pH: 7.45

TDS: 347 mg/L

Hardness: 215 mg/L

Total Alkalinity: 85 mg/L

Electrical Specifications

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

INPUT CURRENT: 300 mA rms at 120VAC
150 mA rms at 240VAC

INPUT POWER: up to 20 Watts

OUTPUT VOLTAGE: 2VDC to 20VDC, Auto Ranging

OUTPUT CURRENT: Adjustable in 5mA increments, 0 TO 600mA DC

CIRCUIT PROTECTION: internal fuse and input line surge protection to IEC 61000-4-5, level 3

FUSES: 1 ea 2A Slo Acting, Cartridge Style, 250VAC, 5x20mm
1 ea 4A Slo Acting, Cartridge Style, 250VAC, 5x20mm

Mechanical Specifications

ENCLOSURE: weather resistant NEMA 4 rated high impact corrosion resistant thermoplastic with hinged polycarbonate cover, includes mounting brackets

ENCLOSURE DIMENSIONS: 8.44" x 8.44" x 4.88"

SHIPPING WEIGHT: 12 lbs

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



Other Specifications

CERTIFICATIONS: UL Listed File Number E354947,
NSF tested to NSF/ANSI Standard 50-2011

OPERATING TEMPERATURE RANGE: 32 to 110 degrees Fahrenheit

WARRANTY: 5 years, parts and labor - excluding electrodes

