

MineralPURE[®]

The Healthy Alternative to Chlorine

*Residential Pool Ionization System
Model # R-40*



Handles up to 40,000 gallons

SPECIFICATION SHEET

R-40 IONIZER SPECIFICATION SHEET

Water Specifications

POOL SIZE: up to 40,000 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)
or optionally available 90/10 copper/silver alloy (CLE-51)

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: 250mA this ionizer produces 179mg of copper ions per hour
500mA this ionizer produces 358mg 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

Electrical Specifications

INPUT VOLTAGE: 115 VAC or 230 VAC, manually switch from inside of control box

INPUT CURRENT: 220 mA rms at 115 VAC
110 mA rms at 230 VAC

INPUT POWER: 13 Watts

OUTPUT VOLTAGE: < 20 VDC

OUTPUT CURRENT: Adjustable in 6 increments from 0 TO 500mA DC

CIRCUIT PROTECTION: internal fuse and input MOV line surge protection

FUSES: 1 ea .25 Amp Fast Acting, Cartridge Style, 250VAC, 5x20mm
Radio Shack Part Number 270-1046 (use 270-1061 if other is unavailable)

Mechanical Specifications

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

ENCLOSURE DIMENSIONS: 6.54" x 6.54" x 4.82"

SHIPPING WEIGHT: 7.6 lbs

CARTON DIMENSIONS: 12" x 11" x 6"



Other Specifications

OPERATING TEMPERATURE RANGE: 32 to 110 degrees Fahrenheit

WARRANTY: 5 years, parts and labor - excluding electrodes

