



Sustainable solutions for our future

MineralPURE[®]

***Residential Ionization System
Model # SPA-1R***



Premium Model — handles up to 1,000 gallons

SPA-1R IONIZER SPECIFICATION SHEET

Water Specifications

POOL SIZE: up to 1,000 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 1.5" long, comprised of copper (CLE-01)
or 90/10 copper/silver alloy (CLE-50)

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: 25mA this ionizer produces 18mg of copper ions per hour
50mA this ionizer produces 36mg of copper ions per hour

These measurements were made with the following conditions:

Electrode Used: CLE-01

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 switched from inside control box

INPUT CURRENT: 100 mA rms at 115 VAC
50 mA rms at 230 VAC

INPUT POWER: 5 Watts

OUTPUT VOLTAGE: 18 VDC

OUTPUT CURRENT: Adjustable from 0 TO 50mA 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: 5.8 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

