

HCC Series

pH AND pH/ORP CONTROLLERS





PARADISE-WORTHY WATER.

HCC Series systems offer powerful yet affordable pH/ORP automation.

By maintaining optimum conditions for pH balance and chlorine effectiveness, HCC Series water chemistry controllers help prevent recreational water illnesses and improve swimmer comfort while protecting costly pool equipment.



TOTAL-PACKAGE PERFORMANCE

Designed with fully programmable microprocessor-based technology, HCC Series systems come factory-assembled with everything you need for simple pH or total pH/ORP management. Complete Package models include chemical feed equipment for added convenience.



SUPERIOR SENSOR TECHNOLOGY

With commercial-grade Poly Pro™ pH sensors and ultra-high purity platinum ORP sensors, HCC Series systems offer unparalleled performance and longevity. Programmable pH or ORP overfeed times and alarm notifications protect against dangerous chemical imbalances.



EASY TO USE AND MAINTAIN

HCC Series systems offer proportional or fixed feed options for reliable and accurate dosing and are made of durable materials designed to resist damage by aggressive pool chemicals. Maintenance is simple, and NSF/ANSI Standard 50 certifications provide added peace of mind.



HCC 2000 COMPLETE PACKAGE

PVC backboard allows for quick and easy professional installation

Fully programmable digital user interface features an easy-to-read display with pH set points and other advanced features

Durable, injection-molded ½" NPT body provides 4x the storage capacity of standard electrodes

Color-coded BNC covers identify and protect instrument connections

Two integrated, factory-wired chemical-feed pumps are compatible for use in 75% of all commercial pool applications *[Complete Package models only; HCC 1000 Complete Package has one pump]*

TRY IT WITH



Bringing the benefits of salt chlorination to your pool is easy when you combine your HCC Series pH/ORP controller with a **Saline C® Series** salt chlorination system. You'll enjoy reduced chemical costs and easy single-vessel installation—and your guests won't be able to get enough of the silky soft water.



TECHNICAL SPECIFICATIONS

| PART NUMBER | HCC 1000 | HCC 1000-CP | HCC 2000 | HCC 2000-CP |
|------------------------------|---|-------------------------------------|--|---|
| Description | Automated pH Controller | Water Chemistry Controller Package | Water Chemistry Controller | Complete Water Chemistry Controller Package |
| Carton Quantity | 1 | 1 | 1 | 1 |
| Carton Weight (lbs) | 10.0 | 15.0 | 11.0 | 20.0 |
| Enclosure | 7.5" x 6.5" x 3.5" glass filled polycarbonate | | 7.25" x 8.25" x 3.5" glass-filled polycarbonate | |
| Interface | UV protected Lexan membrane switch | | | |
| Certifications | UL94-5V (UL746 C5) NSF / ANSI 50 | | UL94-5V (UL746 C5) NEMA type 1, 4, 4X, 6, 12, 13 NSF / ANSI Standard 50 (HCC2000 Only) | |
| Display | Light-emitting diode | | | |
| Display Range | pH 0.0-14.0 | | pH 0.0 – 9.9 / ORP 5 – 995 mV | |
| Flow Cell | Machined acrylic | | Injection molded flow cell with integral baffles | |
| Backboard | CNC machined and beveled PVC | | | |
| Flow Sensor | Pressure flow sensor | | Float-style magnetic flow switch | |
| Power Input | USA - 10 Amp, 120 VAC 60 Hz Intl. - 5 Amp, 240 VAC 50/60 Hz | | | |
| Output Power | pH relay - 4 Amp, 120/240 VAC | | | |
| Auxiliary Relays | AUX pH relay - dry contact - 4 Amp | | | |
| Communications Output | RS232 Serial Interface | | | |
| Alarm Contact Relay | Remote Alarm - dry contact relay - 4 Amp | | | |
| Mode Selections | pH automatic / off / manual direct feed pH feed - acid or base pH mode - auto / set / calibrate | | pH and ORP automatic / off / manual direct feed pH feed – acid or base ORP mode – auto / set pH mode – auto / set / calibrate | |
| Warranty | Controller 1 Year Sensors 1 Year comprehensive | | Controller 1 Year comprehensive Sensors 1 Year comprehensive | |
| Pump Type | N/A | Fixed output | N/A | Fixed output |
| Pump Power Supply | | 24-240VAC | | 24-240VAC |
| Pump Frequency | | 50/60 Hz | | 50/60 Hz |
| Pump Power Consumption | | 3.5W | | 3.5W |
| Pump Tube | | Santoprene | | Santoprene |
| Pump GPD | | 6.34 or 31 (both tubes included) | | 6.34GPD and 31.68GPD (2 tubes supplied per pump) |
| Pump Max Back Pressure (PSI) | | 22 | | 22 |
| NEMA Rating | | NEMA 4X | | NEMA 4X |
| Pump Enclosure | | 4.2" x 3.2" x 3.6" | | 4.2" x 3.2" x 3.6" |
| Pump Certifications | | ETL/CE | | ETL/CE |
| Pump Warranty | | 1 Year | | 1 Year |

OPTIONAL ACCESSORIES

| PART NUMBER | DESCRIPTION | CARTON QUANTITY | CARTON WEIGHT (LBS.) |
|-----------------|---|-----------------|----------------------|
| AC003 | Residential CO ₂ pH Control System | 1 | 5.0 |
| AC004 | Standard CO ₂ System | 1 | 7.0 |
| AC035 | Peristaltic feed pump | 1 | 5.0 |
| HCSC60 | Saline C® 6.0 Salt Chlorine Generator | 1 | 25.0 |
| HCSC110 | Saline C® 11.0 Salt Chlorine Generator | 1 | 50.0 |
| AQL-CHEM4-ACID | Complete pH Chemical Feed System with 15 Gallon Tank and Containment Tray | 1 | 24.0 |
| AQL-CHEM4-CHLOR | Complete Cl Chemical Feed System with 15 Gallon Tank and Containment Tray | 1 | 24.0 |



CHEMICAL FEED SYSTEM comes standard with Complete Package models.

[HCC 1000-CP includes pump but not chemical storage container; HCC 2000-CP includes two pumps.]



CO₂ FEEDER offers an added layer of efficiency and cost effectiveness when managing pH levels.

