



HCC 2000 Series

pH/ORP CONTROLLERS



1 YEAR WARRANTY

NSF

POWERFUL, AFFORDABLE pH AND ORP AUTOMATION.

By maintaining optimum conditions for chlorine effectiveness, water chemistry automation helps prevent recreational water illness and improves swimmer comfort while protecting costly pool equipment. HCC 2000 Series water chemistry controllers feature proportional feed and operate using Oxidation Reduction Potential (ORP), helping to ensure that waterborne pathogens are deactivated while keeping chemicals at a safe and comfortable level.



TOTAL-PACKAGE PERFORMANCE

Designed with fully programmable microprocessor-based technology, HCC 2000 Series systems come complete with everything you need for total pH and ORP management, factory-assembled on a PVC backboard. For ultimate convenience, the HCC 2000 Complete Package includes two peristaltic chemical feed pumps.



SUPERIOR SENSOR TECHNOLOGY

A heavy-duty, commercial-grade pH sensor and an ultra-high purity platinum ORP sensing element offer unparalleled performance and longevity, as well as easy maintenance. Programmable overfeed times and alarm notifications provide added protection against dangerous chemical imbalances.



EASY TO USE AND MAINTAIN

HCC 2000 Series systems offer fixed or proportional feed for reliably accurate dosing and are built with durable materials to resist aggressive pool chemicals. The HCC 2000 model is certified to NSF/ANSI Standard 50 for added peace of mind.

16"x21" PVC backboard allows for quick and easy professional installation

Color-coded BNC covers identify and protect instrument connections

Durable, injection-molded 1/2" NPT body provides 4x the storage capacity of standard electrodes

Heavy duty, commercial-grade pH and ORP sensors feature Poly Pro™ electrolyte and patented porous Teflon® fluid junctions for unmatched performance and durability



HCC 2000 COMPLETE PACKAGE*

Fully programmable digital user interface features an easy-to-read display with a host of customizable features and settings

NEMA 4X waterproof polypropylene housing is chemical resistant and shock proof

Two integrated, factory-wired chemical-feed pumps are compatible with liquid chlorine and muriatic acid (HCC 2000 Complete Package only)

TECHNICAL SPECIFICATIONS

PART NUMBER	HCC 2000	HCC 2000-CP
Description	Water Chemistry Controller	Complete Water Chemistry Controller Package
Carton Quantity	1	1
Carton Weight (lbs)	11.0	20.0
Enclosure	7.25" x 8.25" x 3.5" glass-filled polycarbonate	
Interface	UV protected Lexan membrane switch	
Certifications	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 - 9.9 / ORP 5 - 995 mV	
Flow Cell	Injection molded flow cell with integral baffles	
Backboard	CNC machined and beveled PVC	
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 pH and ORP automatic / off / manual direct feed pH feed - acid or base ORP mode - auto / set pH mode - auto / set / calibrate	
Mode Selections		
Warranty	Controller 1 Year comprehensive Sensors 1 Year comprehensive	
Pump Type	Fixed Output	
Pump Power Supply	24-240VAC	
Pump Frequency	50/60 Hz	
Pump Power Consumption	3.5W	
Pump Tube	Santoprene	
Pump GPD (2 tubes supplied per pump)	6.34GPD and 31.68GPD	
Pump Max Back Pressure (PSI)	22	
NEMA Rating	NEMA 4X	
Pump Enclosure	4.2" x 3.2" x 3.6"	
Pump Certifications	ETL/CE	
Pump Warranty	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	50.0
HCSC110	Saline C 11.0 Salt Chlorine Generator	1	25.0
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 Pump, 15 Gallon Tank and Containment Tray	1	24.0



CHEMICAL FEED SYSTEM

Complete Package includes chemical feed pump but not chemical storage container.



SALINE C® SERIES

Commercial salt chlorination system



CO₂ SYSTEM

*Complete Package includes Molded Flow Cell, Float Style Flow Sensor and Chemical Feed Equipment.

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HCC Controllers are listed by:

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