

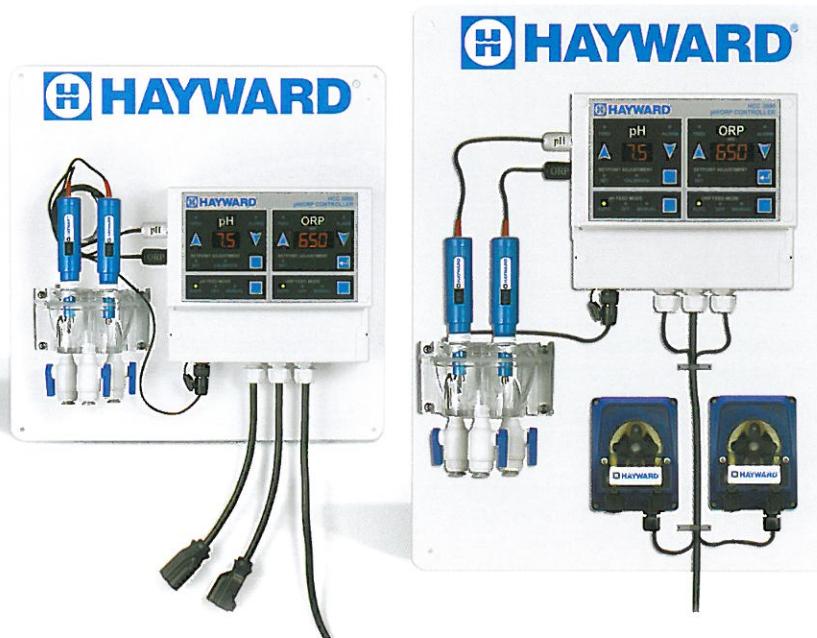


HAYWARD®

HCC 2000

AUTOMATED WATER CHEMISTRY CONTROLLER

Powerful, affordable total pH and ORP control system with or without peristaltic feed pumps



Perfect for swimming pools, spas, and water features, the HCC 2000 is a powerful yet affordable microprocessor-based pH and ORP water chemistry controller. The controller features proportional feed to ensure precise water chemistry maintenance, and operates using the Oxidation-Reduction Potential (ORP) method of water analysis to ensure rapid deactivation of such waterborne pathogens as E. coli in swimming pool water.

The HCC 2000 Complete Package provides the ultimate one stop shop experience, one unit pre-configured with everything required to make water chemistry management simple, convenient, and affordable. This package includes the HCC 2000 controller, flow cell, and flow sensor, all now pre-mounted on a PVC backboard with peristaltic feed pumps for pH and chlorine adjustment.

- Advanced microprocessor-based design technology
- Comes with chemical feed equipment compatible with all existing chemical feed systems; chlorine, bromine, electronic chlorine (salt) generators, acid and CO₂
- Simple to operate user interface with easy to read LED display
- Complete package offers a total chemical automation system for easy installation and ultimate convenience

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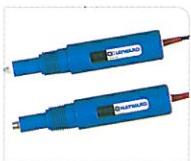
FEATURES



* On complete package model

Next Generation in Sensor Technology

- Poly-Pro™ solid polymer reference technology matched with patented porous Teflon® fluid junction for high performance longevity and simple maintenance
- Ultra high purity Platinum ORP sensing element
- Durable injection molded 1/2" NPT body provide 4 times storage capacity of standard electrodes



Power, Performance and Simplicity

- Fully programmable microprocessor-based technology control with pH and ORP set points and alarm settings
- Programmable pH and ORP overfeed times provide extra layer of protection against overfeed chemicals
- pH priority option brings pH within 0.2 pH of set point before feeding chlorine
- Communications capabilities via standard RS232 serial interface



Less Maintenance and High Durability

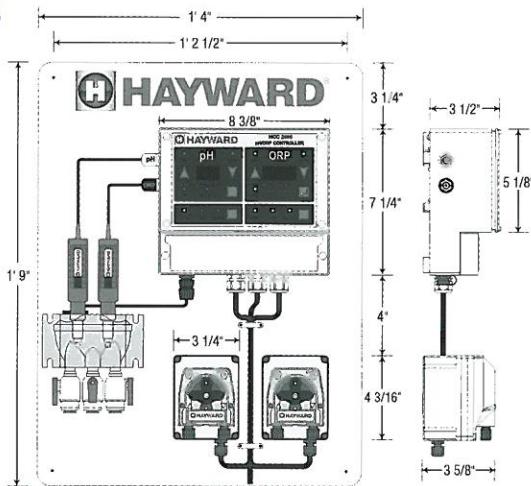
- Nema 4X waterproof polypropylene housing-shock proof and resistant to aggressive chemicals
- Easy maintenance takes seconds to replace peristaltic feed tube
- Fixed speed for reliable and accurate dosing



TECHNICAL SPECIFICATIONS

Description	Specification
Part Number	HCC 2000
Description	HCC 2000 Water Chemistry Controller
Carton Quantity	1
Carton Weight (lbs.)	11
Enclosure	7.25" x 8.25" x 3.5" glass-filled polycarbonate
Interface	UV protected Lexan membrane switch
Certifications	UL94-5V (UL746 C 5)
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 60Hz
Output Power	Intl. – 5 Amp, 240 VAC 50/60 Hz
Auxiliary Relays	pH relay – 4 Amp, 120/240 VAC
Communications Output	AUX pH relay – Dry Contacts – 4 Amp
Alarm Contact Relay	RS232 serial interface
Mode Selections	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
Warranty	Controller 1 year comprehensive warranty
	Sensors 1 year comprehensive warranty
Pump Type	Fixed output
Pump Power Supply	24-240VAC
Pump Frequency	50/60 Hz
Pump Power Consumption	3.5W
Pump Tube	Santoprene
Pump GPD	6.34
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	Pump 1 Year

DIMENSIONS



OPTIONAL ACCESSORIES

For Total Chemical Automation



Chemical Feed Pump
(2 pumps included as standard with HCC 2000 Complete Package)



Chlorine dispensing for sanitizer control including electronic chlorine (salt) generator

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
AQR	Aqua Rite	1	24.0
T-CELL-15	40,000 Gallon Turbo Cell	1	4.3



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