



# CAT 3500® & CAT 5500® Series

WATER CHEMISTRY CONTROLLERS WITH TDS AND SALT MONITORING



5 YEAR WARRANTY

NSF

## ADVANCED CHEMISTRY MANAGEMENT DESIGNED FOR SALT-CHLORINATED WATER.

Equipped with CAT Professional Series pH, ORP and conductivity/NaCl sensors, CAT 3500® and CAT 5500® offer automated water quality management specifically tailored to salt chlorinated commercial pools. CAT 5500 offers the added benefit of global wireless coverage, giving you total system access from anywhere in the world.



### POWERFUL SALT WATER CONTROL

Shipped with CAT Professional Series pH, ORP and conductivity/NaCl sensors, CAT 3500 and 5500 offer state-of-the-art control capabilities, including dual sanitizer set points for backup ORP control, a heat sensor for temperature monitoring and auxiliary relays for maximum versatility.



### OPTIONAL WIRELESS ACCESS

Stop spending time and money installing and maintaining dedicated analog phone lines. CAT 5500 leverages two different communication protocols (Wi-Fi or cellular), to offer simple, reliable wireless system access 24/7.



### SIMPLE INSTALLATION, ROBUST RESULTS

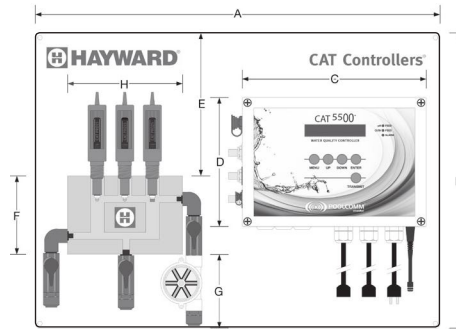
Both CAT 3500 and 5500 are factory-assembled for easy installation and compatible with existing chemical feed equipment. With the 5500 model, you can use the PoolComm® website and/or app to view water quality data, print charts, analyze graphs—even receive alarms via email or text.

## TECHNICAL SPECIFICATIONS

|                       |                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enclosure             | 7.25" x 7.25" x 2.3" glass-filled polycarbonate<br>7" x 10" x 3.5" glass-filled polycarbonate*                                                                                                                                                                                                                                  |
| Interface             | UV-protected Lexan membrane switch                                                                                                                                                                                                                                                                                              |
| Display               | Light-emitting diode                                                                                                                                                                                                                                                                                                            |
| Display Range         | pH 0.0 - 9.9 / ORP 5 - 995 mV GPM<br>TDS 0 - 7500ppm / NaCl 0 - 7500ppm<br>Digital Flow 0 - 9999.9gpm<br>Temp. 0° - 999° F*                                                                                                                                                                                                     |
| Flow Cell             | Machined acrylic*                                                                                                                                                                                                                                                                                                               |
| Backboard             | CNC machined and beveled PVC                                                                                                                                                                                                                                                                                                    |
| Flow Sensor           | Rotary flow sensor with magnetic reed style flow sensor<br>Magnetic with embedded reed switch*                                                                                                                                                                                                                                  |
| Power Input           | USA - 10 Amp, 120 VAC 60 Hz<br>Intl. - 5 Amp, 240 VAC 50/60 Hz**                                                                                                                                                                                                                                                                |
| Output Power          | pH Relay - 4 Amp, 120/240 VAC<br>ORP Relay - 4 Amp, 120/240 VAC                                                                                                                                                                                                                                                                 |
| Auxiliary Relays      | Qty. 1 AUX Relay - Dry Contacts - 4 Amp<br>Qty. 2 AUX Relay - Dry Contacts - 4 Amp*                                                                                                                                                                                                                                             |
| Communications Output | Cell, Wi-Fi                                                                                                                                                                                                                                                                                                                     |
| Warranty              | 5-year limited warranty on controller<br>2-year warranty on sensors                                                                                                                                                                                                                                                             |
| Keys                  | Embossed with stainless tactile domes                                                                                                                                                                                                                                                                                           |
| Internet URL          | poolcomm.com*                                                                                                                                                                                                                                                                                                                   |
| Mobile App            | Available for iPhone® and Android™ devices*                                                                                                                                                                                                                                                                                     |
| Alarm Format          | Visual, audible<br>Email, text message, visual, audible*                                                                                                                                                                                                                                                                        |
| Safety Systems        | pH low and high alarms<br>ORP low and high alarms<br>pH priority feed<br>Supplemental feed modes<br>pH and ORP overfeed timeout<br>Flow alarm<br>Water level<br>pH and/or Chlorine Tank Level Temperature                                                                                                                       |
| Set Point Range       | pH 7.0-8.0<br>ORP 200-995 mV                                                                                                                                                                                                                                                                                                    |
| Control Accuracy      | pH +/- 0.1 pH<br>ORP +/- 5.0 mV                                                                                                                                                                                                                                                                                                 |
| Alarm Ranges          | pH - low 6.0 pH / high 9.0 pH<br>ORP - low 200 mV / high 995 mV<br>Digital Flow 0 - 2325 GPM<br>NaCl 0 - 7500ppm / TDS 0 - 7500ppm<br>Temp. 32° - 104° F                                                                                                                                                                        |
| Optional Equipment    | Optical level sensors<br>Digital flow rate sensor<br>Chemical feed systems<br>Acrylic flow cell<br>Remote antenna*                                                                                                                                                                                                              |
| Auxiliary Outputs     | Menu Based Programmability:<br>Remote alarm<br>pH acid feed<br>pH base feed<br>ORP primary feed<br>ORP supplemental feed<br>Dechlorination control<br>Water level control<br>Level / flow sensor #1<br>Level / flow sensor #2<br>Level / flow sensor #3<br>Chlorine generator interface<br>Time-based activation<br>Temperature |

## PART NUMBERS

| PART NUMBERS   | DESCRIPTION                                                          | CARTON |         |
|----------------|----------------------------------------------------------------------|--------|---------|
|                |                                                                      | QTY    | WEIGHT  |
| CATPP35000     | CAT 3500® Professional Package*** with Temp/Cond/NaCl Display        | 1      | 20 lbs. |
| CATPP5500WIFI  | CAT 5500® Professional Package*** with Temp/TDS/NaCl Display - Wi-Fi | 1      | 20 lbs. |
| CATPP55000CELL | CAT 5500 Professional Package*** with Temp/TDS/NaCl Display - Cell   | 1      | 20 lbs. |



## DIMENSIONS

|   | CAT 3500 | CAT 5500 |
|---|----------|----------|
| A | 21"      | 21"      |
| B | 16"      | 16"      |
| C | 7.06"    | 8.25"    |
| D | 7.06"    | 4.5"     |
| E | 7.75"    | 8"       |
| F | 4.25"    | 16"      |
| G | 4"       | 7"       |
| H | 6.25"    | 3.125"   |

## OPTIONAL EQUIPMENT

| PART NUMBER     | DESCRIPTION                                                               | CARTON |         |
|-----------------|---------------------------------------------------------------------------|--------|---------|
|                 |                                                                           | QTY    | WEIGHT  |
| HCSC110         | Saline C® 11.0 Salt Chlorine Generator                                    | 1      | 50 lbs. |
| HCSC60          | Saline C® 6.0 Salt Chlorine Generator                                     | 1      | 25 lbs. |
| HCSJBX-BU       | Sanitizer Back-up Junction Box                                            | 1      | 3 lbs.  |
| AC035           | Peristaltic feed pump                                                     | 1      | 5 lbs.  |
| AQL-CHEM4-ACID  | Complete pH Chemical Feed System with 15-Gallon Tank and Containment Tray | 1      | 24 lbs. |
| AQL-CHEM4-CHLOR | Complete Cl Chemical Feed System with 15-Gallon Tank and Containment Tray | 1      | 24 lbs. |
| AC004           | Standard CO <sub>2</sub> System                                           | 1      | 7 lbs.  |
| AC005           | High Output CO <sub>2</sub> System                                        | 1      | 7 lbs.  |



pH/Cl CHEMICAL FEED SYSTEMS



CO<sub>2</sub> SYSTEM



SALINE C® SYSTEM

\*Applies to **CAT 5500 only**.

\*\*For international version information, please contact your local Hayward® Sales Representative.

\*\*\*Professional Package includes Machined Acrylic Block Flow Cell and Rotary Flow Sensor.

» haywardcommercialpool.com » (301) 838-4001