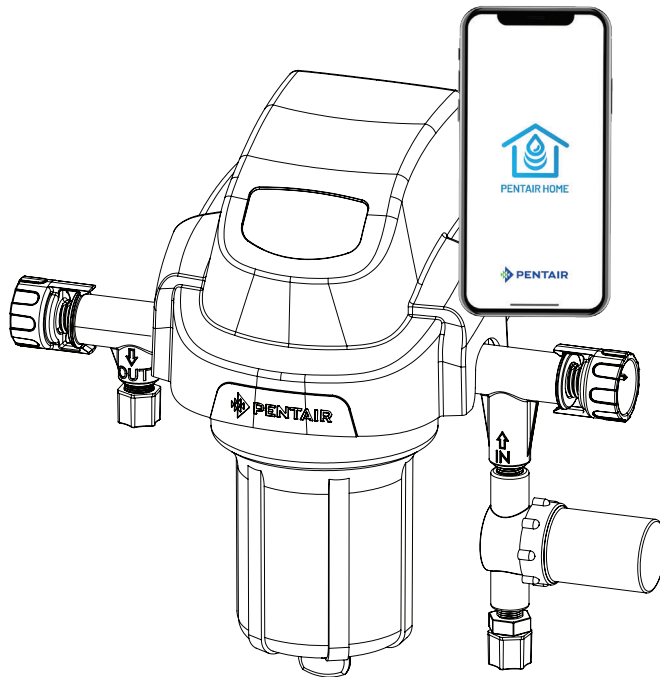




# PENTAIR HOME

## FOR CHEMCHECK™ WATER QUALITY MONITOR



Download Pentair Home from Google Play® store (Android®) or Apple® app store (iOS®).

## USER'S GUIDE

IMPORTANT SAFETY INSTRUCTIONS  
READ AND FOLLOW ALL INSTRUCTIONS  
SAVE THESE INSTRUCTIONS

Digital copies of all ChemCheck manuals, and translated versions, can be found at [www.pentair.com](http://www.pentair.com), or by scanning the provided QR code.

- *Install and Service Guide (P/N 523397)*
- *Quick Start Guide (P/N 523510)*
- *User's Guide (P/N 523513)*

Se pueden encontrar copias digitales de todos los manuales de ChemCheck, así como versiones traducidas en [www.pentair.com](http://www.pentair.com), o escaneando el código QR proporcionado.

- *Guía de instalación y servicio (P/N 523509)*
- *Guía de inicio rápido (P/N 523512)*
- *Guía del usuario (P/N 523513)*

Des copies numériques de tous les manuels ChemCheck, ainsi que les versions traduites, peuvent être trouvées sur [www.pentair.com](http://www.pentair.com), ou en scannant le code QR fourni.

- *Guide d'installation et d'entretien (P/N 523508)*
- *Guide de démarrage rapide (P/N 523511)*
- *Guide d'utilisation (P/N 523513)*





## 1 Download the Pentair Home App

The free Pentair Home app is compatible with most Apple® and Android® smart devices.

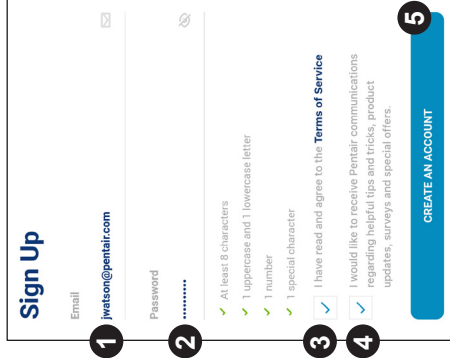
- Apple operating systems must be **iOS® 11 or later**.
- Android operating systems must be **6.0 or later**.

Download Pentair Home from the Google Play® store (Android) or Apple app store (iOS).



## 2 Create Your Pentair Home Account

1. Open the Pentair Home app () from your smart device.
2. A series of welcome screens will display. Press **SKIP** to jump to the Login screen or press **NEXT** to scroll through the welcome screens.
3. The Login screen will display. Press **SIGN UP** at the bottom of the screen.
4. The *Sign Up* screen will display. Enter your desired email address (1) and a password (2) meeting all requirements listed below the password entry window.
5. Tap the Terms of Service Box (3) to acknowledge you have read the Terms of Service. Review the terms of service by pressing **TERMS OF SERVICE**. If desired, tap the Pentair Communications Box (4) to receive periodic marketing emails from Pentair.
6. Press **CREATE AN ACCOUNT** (5).
7. The *Verify Your Email* screen will display. A verification email will be sent to the provided address. Verify your account using the link in this email, then proceed to the Login screen by pressing **LOGIN** in the top right of the screen. If you do not receive a verification email, ensure your email address was entered correctly then press **RESEND VERIFICATION**.



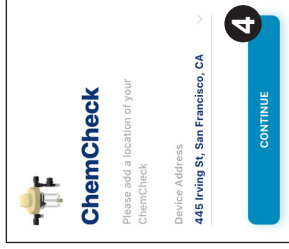
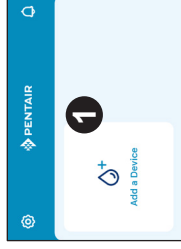
## 3 Create your Account Profile

When logging into Pentair Home for the first time:

1. The **Create Profile** screen will display.
2. Enter your name, phone number and pool location.
3. Press the **STANDARD** (1) or **METRIC** (2) tab to choose which units your app will display.
4. Press **SAVE** (3) to save profile entries.
5. The Account Dashboard screen will display. Continue to **Pairing ChemCheck to Your Account**.

## 4 Pairing ChemCheck to Your Account

1. If your ChemCheck is battery-powered, ensure the battery is fully charged.
2. At the Account Dashboard, press **ADD A DEVICE** (1).
3. The Add a Device screen will display. Select **CHEMCKE** (2).
4. The installation screen will display. At **ChemCheck flow cell**: Remove the top cover from the flow cell. Press and hold the blue button for 3 seconds. The flow cell LED will pulse yellow and can now be paired to your smart device. From the **Installation screen**: Press **CONTINUE**.
5. The Bluetooth Pairing screen will display. Ensure **Bluetooth**® wireless technology is enabled on your smart device and press **CONTINUE** (3).
6. The Select Your ChemCheck screen will display. Select the ChemCheck you wish to pair.
7. If pairing is successful the Bluetooth Pairing screen will display. Press **CONTINUE**.
8. The Connect Your Device to WiFi screen will display. Select your WiFi router and enter the password. Press **CONTINUE**.
9. The Device Address screen will display. Select your address from the Device Address dropdown menu and press **CONTINUE** (4).
10. Installation Completed will display. Press **CONTINUE** and refer to User's Guide for calibration instructions.



# IMPORTANT SAFETY INSTRUCTIONS



## IMPORTANT NOTICE

This guide provides installation and operation instructions for this product. Consult Pentair with any questions regarding this equipment.

**Attention Installer:** This guide contains important information about the installation and safe use of this product. This information should be given to the owner and/or operator of this equipment after installation or left on or near the equipment.

**Attention User:** This manual contains important information that will help you in operating and maintaining this product. Please retain it for future reference.

## READ AND FOLLOW ALL INSTRUCTIONS SAVE THESE INSTRUCTIONS



This is the safety alert symbol. When you see this symbol on your system or in this manual, look for one of the following signal words and be alert to the potential for personal injury.

### **DANGER**

Warns about hazards that can cause death, serious personal injury, or major property damage if ignored.

### **WARNING**

Warns about hazards that may cause death, serious personal injury, or major property damage if ignored.

### **CAUTION**

Warns about hazards that may or can cause minor personal injury or property damage if ignored.

### **NOTE**

Indicates special instructions not related to hazards.

Carefully read and follow all safety instructions in this manual and on equipment. Keep safety labels in good condition; replace if missing or damaged.

### **WARNING**

Before installing this product, read and follow all warning notices and instructions in this Guide.

Failure to follow warnings and instructions can result in severe injury, death, or property damage. Call (800) 831-7133 for additional free copies of these instructions. Please refer to [www.pentair.com](http://www.pentair.com) for more information related to this products.

### **WARNING**

Do not permit children to use this product.

### **DANGER**

**SERIOUS BODILY INJURY OR DEATH CAN RESULT IF THIS PRODUCT IS NOT INSTALLED AND USED CORRECTLY.**

### **DANGER**

**INSTALLERS, POOL OPERATORS AND POOL OWNERS MUST READ THESE WARNINGS AND ALL INSTRUCTIONS BEFORE USING THIS PRODUCT.**

### **DANGER**

**RISK OF ELECTRICAL SHOCK OR ELECTROCUTION! ALWAYS DISCONNECT POWER TO THIS EQUIPMENT AT THE CIRCUIT BREAKER BEFORE SERVICING. FAILURE TO DO SO COULD RESULT IN DEATH OR SERIOUS INJURY TO SERVICE**



**PERSON, POOL USERS OR OTHERS DUE TO ELECTRIC SHOCK.**

### **WARNING**

Most states and local codes regulate the construction, installation, and operation of public pools and spas, and the construction of residential pools and spas. It is important to comply with these codes, many of which directly regulate the installation and use of this product. Consult your local building and health codes for more information.

### **WARNING**

Before using your pool, spa or hot tub, check the pH and sanitizer levels of the water.

### **WARNING**

When mixing acid with water, **ALWAYS ADD ACID TO WATER. NEVER ADD WATER TO ACID.** When adding any chemical to the pool/spa, be sure to follow the manufacturer's instructions thoroughly.

### **WARNING**

**CHEMICAL BURN HAZARD!** Make sure all pumps are switched off at the circuit breakers before drilling into any pipes. Securely fasten all electrical, water and chemical lines. Locate chemical feed pumps and chemical storage tanks in a safe and secure area.

### **WARNING**

This product must be installed by a licensed or certified electrician or a qualified pool professional in accordance with the National Electrical Code (NEC), NFPA 70 or the Canadian Electrical Code (CEC), CSA C22.2. All applicable local installation codes and ordinances must also be adhered to. Improper installation will create an electrical hazard which could result in death or serious injury to pool users, installers or others due to electrical shock, or may cause damage to property.

### **DANGER**



**READ THE FOLLOWING BEFORE HANDLING AND WORKING WITH MURIATIC ACID (ALSO KNOWN AS HYDROCHLORIC ACID) AND CHLORINE (SODIUM HYPOCHLORITE).**

**MURIATIC ACID AND CHLORINE (LIQUID AND MIST) CAN CAUSE SEVERE BURNS TO SKIN, MOUTH AND EYES. MAY BE FATAL IF SWALLOWED OR INHALED. INHALATION CAN CAUSE SEVERE LUNG DAMAGE.**

**MIXING CHEMICALS WITH CHLORINE OR CHLORINE RESIDUE IN CONTAINER CAN CREATE A DEADLY GAS OR AN EXPLOSION. DO NOT MIX SODIUM HYPOCHLORITE AND MURIATIC ACID.**

**TAKE EXTREME CARE WHEN INSERTING THE ACID CONTAINER INTO THE STORAGE TANK, AS THE FOIL SEAL MAY NOT BE FULLY ATTACHED.**

**STRICTLY FOLLOW THE ACID MANUFACTURERS SAFETY AND HANDLING PROTOCOLS INCLUDING HAND, BODY AND EYE PROTECTION WHEN TRANSFERRING OR HANDLING ACID. SAFETY PRECAUTIONS SHOULD BE USED WHEN HANDLING MURIATIC ACID TO CONTROL PH WATER LEVELS. MURIATIC ACID CAN CAUSE SERIOUS BODY INJURY AND DAMAGE POOL EQUIPMENT. EXTRA CARE MUST BE TAKEN WHEN INSTALLING, MAINTAINING AND OPERATING ACID PUMP FEED SYSTEMS. ACID IS DANGEROUS TO HANDLE AND SHOULD BE PROPERLY CONTAINED, TRANSPORTED, Poured, STORED, AND DISPENSED.**

# IMPORTANT SAFETY INSTRUCTIONS

## **⚠ DANGER**



**INHALATION:** Inhalation of vapors can cause coughing, inflammation of the nose, throat and upper respiratory tract and death. In case of inhalation, move to an area with fresh air immediately.

**INGESTION:** Swallowing can be fatal. Contact local poison control center or physician immediately. Give large amounts of water or milk. Allow person to vomit. If vomiting occurs, keep head lower than hips to avoid aspiration. If person is unconscious, turn their head to the side. Seek immediate medical attention.

**STORAGE:** Install and store container and acid in a dry, ventilated place protected from excess heat and direct sunlight. Should be stored at a temperature below 80°F (27°C). Be sure drainage is located away from building and equipment.

**SKIN CONTACT:** Wash skin with soap and water for at least 20 minutes and remove contaminated clothing and shoes. Contaminated clothes should be thoroughly cleaned before re-use.

**EYE CONTACT:** Flush eyes immediately with water for at least 20 minutes. Seek immediate medical attention.

## **PERSONAL PROTECTION**

**VENTILATION:** Use container outside and in a well-ventilated area.

**EYE PROTECTION:** Use splash-resistant safety goggles.

**CLOTHING:** Wear chemical-resistant clothing when handling or working with acid and chlorine.

**GLOVES:** Wear chemical-resistant gloves when handling or working with acid and chlorine.

**DISPOSAL:** Because of its corrosive nature, muriatic acid is a hazardous waste when spilled or discarded. Dispose of used acid at an approved hazardous waste facility or at your municipal household hazardous waste collection facility. Small spills of acid may be neutralized using baking soda. Carefully pour the baking soda onto the spilled material until the fizzing stops, then mop or scoop up the residue. Leave cleanup of large spills to the experts; call your local fire department or hazardous materials spill team.

## **FCC Standard - 47 CFR Part 15, Subpart C (Section 15.247). This version is limited to chapter 1 to chapter 11 by specified firmware controlled in the U.S.A.**

Instruction to user - This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Note:** In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of the manufacturer could void the user's authority to operate this equipment.

## **Canada - Industry Canada (IC) Regulatory Notice: - This device complies with RSS210 of Industry Canada. (1999).**

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication. This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## CUSTOMER SERVICE / TECHNICAL SUPPORT

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If you have questions about ordering Pentair replacement parts, and pool products, please contact:

### Customer Service and Technical Support, USA

(8 A.M. to 4:30 P.M. — Eastern/Pacific Times)

Phone: (800) 831-7133

Fax: (800) 284-4151

### Web site

Visit [www.pentair.com](http://www.pentair.com) for more information about Pentair products.

**Sanford, North Carolina** (8 A.M. to 4:30 P.M. ET)

Phone: (919) 566-8000

Fax: (919) 566-8920

**Moorpark, California** (8 A.M. to 4:30 P.M. PT)

Phone: (805) 553-5000 (Ext. 5591)

Fax: (805) 553-5515

## TABLE OF CONTENTS

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<b>Important Safety Instructions</b> .....	<b>ii</b>	<b>Troubleshooting</b> .....	<b>9</b>
<b>Introduction</b> .....	<b>1</b>	Status Check LED	9
Home Dashboard	1	In-app Alerts	9
<b>Initial Setup</b> .....	<b>2</b>		
Creating a Pentair Home Account	2		
Pairing ChemCheck to your Account	3		
Sanitizer Calibration	4		
<b>Operation</b> .....	<b>5</b>		
ChemCheck Dashboard	5		
Water Tests and Balancing your Pool	6		
Reading Histories	6		
pH Offset	7		
Remote Monitoring	7		
ChemCheck Settings	8		

# INTRODUCTION

The Pentair Home app is a perfect solution for remotely monitoring and controlling your pool equipment from the comfort of home.

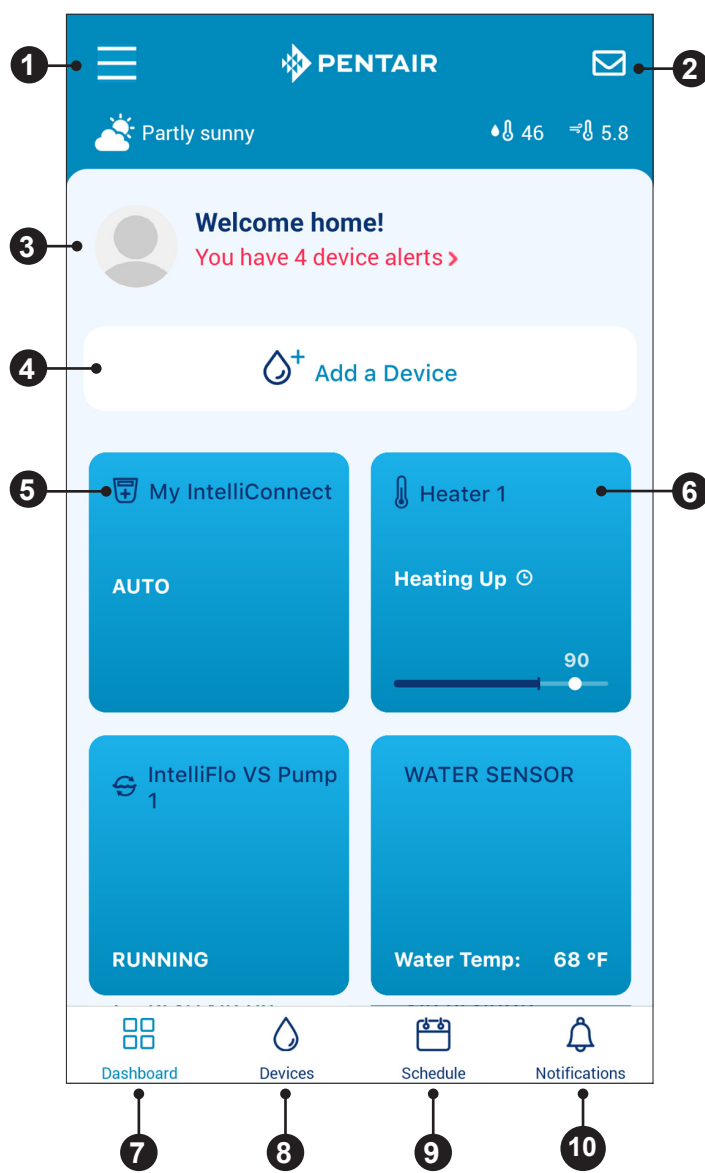
ChemCheck™ Water Quality Monitor readings can only be accessed through a personalized Pentair Home account. This guide provides instructions on creating an account and using Pentair Home to get the most out of your ChemCheck.

## Home Dashboard

From the Home Dashboard you can remotely monitor and control your pool and equipment. Press a specific equipment tab to display controls. From any other screen, press the Dashboard Icon [7] to return to the Home Dashboard.

After ChemCheck has been paired to your Pentair Home account, the ChemCheck Dashboard can be accessed by pressing the ChemCheck equipment tab. For an overview of the ChemCheck Dashboard, refer to *ChemCheck Dashboard, page 5*.

- 1- **Dashboard Settings:** Press to access pool info, notification settings and equipment warranty information, or log out of Pentair Home. The Home Dashboard can be customized by pressing EDIT DASHBOARD.
- 2- **Contact Pentair:** Press to open the Contact Pentair screen. Send a message to Pentair general or device support, or report bugs within the app.
- 3- **System Status/Alerts:** Displays current system alerts. Press to open a list of alerts.
- 4- **Add a Device:** Press to open the Add a Device screen. Choose a device to add to your Pentair Home Account. For example; ChemCheck, IntelliConnect, IntelliSync, etc.
- 5- **Control System Tab:** Displays current system/ device operation mode. **PRESS THIS TAB TO ADD EQUIPMENT TO A DEVICE.**
- 6- **Equipment Tabs:** Displays individual equipment status (pump, heater, salt chlorinator, etc.). Press a specific tab to open its Equipment Settings screen.
- 7- **Dashboard Icon:** Press to return to Home Dashboard from any screen.
- 8- **Devices Icon:** Press to open the Devices screen. View all connected devices and equipment. Press an equipment tab to open its Settings screen.
- 9- **Schedule Icon:** Press to open the Schedules calendar. Displays active schedules for connected equipment.
- 10- **Notifications Icon:** Press to open the Alerts screen. Displays past and present system alerts.



# INITIAL SETUP

## Creating a Pentair Home Account

1. From your chosen smart device, download Pentair Home from the Google Play® store (Android® devices) or Apple® app store (iOS® devices).

**Note:** Apple operating systems must be **iOS® 11 or later**. Android operating systems must be **version 6.0 or later**.

2. Open the Pentair Home app (🏠) from your smart device.
3. A series of marketing screens will display. Press SKIP to jump to account creation.

4. The Email Entry screen will display. Enter your email address and press GET STARTED.

5. The Password Creation screen will display. See **Figure 1**.

6. Enter your desired password in both entry fields (1), ensuring it meets the requirements shown on screen.

7. Review the terms of service by pressing **TERMS OF SERVICE**. Check the Terms of Service Box (2) to acknowledge you have read the Terms of Service.

8. Press **CREATE MY ACCOUNT** (3).

9. The Verify Your Email screen will display and a verification email will be sent to the provided email address.

10. Verify your account using the link in the verification email.

**Note:** If you do not receive a verification email press **I DIDN'T GET THE EMAIL** at the Check Your Email screen and follow on-screen instructions.

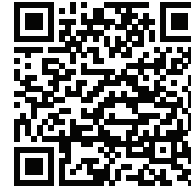
11. After verification, the Create Profile screen will display. See **Figure 2**.

12. Enter your profile information.

13. Press the **STANDARD** or **METRIC** tab to choose which units the app will display.

14. Press **SAVE** to save entries.

15. Continue to *Pairing ChemCheck to your Account*, page 3.



**Welcome to Pentair Home!**

Create Your Password for  
jwatson@pentair.com

.....

.....

- ✓ At least 8 characters
- ✓ 1 uppercase and 1 lowercase letter
- ✓ 1 number
- ✓ 1 special character

I have read and agree to the [Terms of Service](#).

Create My Account

**FIGURE 1**

**Create profile**

Upload a profile photo

First Name  
John

Last Name  
Watson

Country  
United States

Primary Address  
1620 Hawkins Ave

Address 2  
Sanford

NC 27330

Mobile Phone Number  
+1 800 831 7133

Select Units

U.S. Standard  
°F, lbs, Inch

Metric  
°C, kg, mm

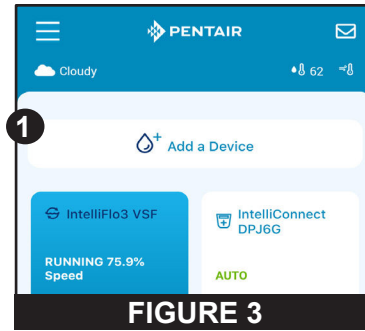
Save

**FIGURE 2**



## Pairing ChemCheck to your Account

1. At the top of the Home Dashboard screen, press ADD A DEVICE (1).
2. The Add a Device screen will display. See **FIGURE 4**.
3. From the list of devices, press CHEMCHECK WATER QUALITY MONITOR (2).



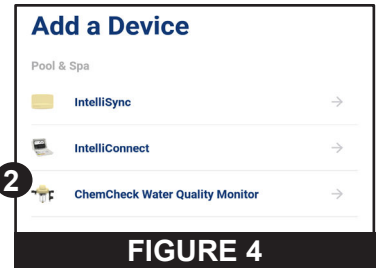
**FIGURE 3**

4. The Installation screen will display.

**At ChemCheck unit:** Remove the top cover from the ChemCheck. Press and hold the blue button for 3 seconds. The ChemCheck LED will pulse yellow and can now be paired to your smart device.

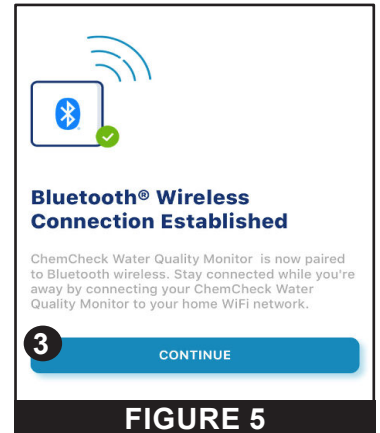
**From the Installation screen:** Press CONTINUE.

5. The Bluetooth Pairing screen will display (**Figure 5**). Ensure *Bluetooth*® wireless technology is enabled on your smart device and press CONTINUE (3).
6. The Select Your ChemCheck screen will display. Select the ChemCheck you wish to pair.
7. If pairing is successful the Bluetooth Pairing screen will display. Press CONTINUE.

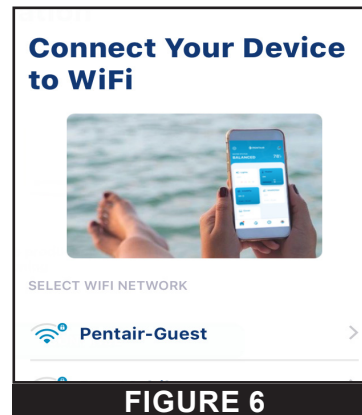


**FIGURE 4**

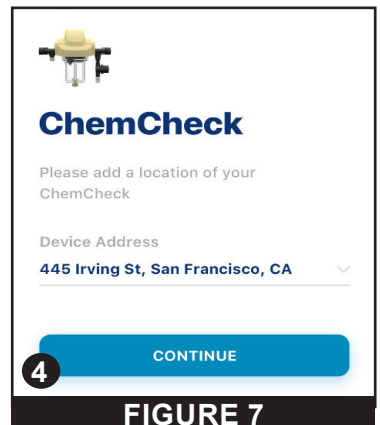
8. The Connect Your Device to WiFi screen will display (**Figure 6**). Select your WiFi router and enter the password. Press CONTINUE.
9. The Device Address screen will display (**Figure 7**). Select your address from the Device Address dropdown menu and press CONTINUE (4).
10. The Nickname screen will display. Enter the name you would like your ChemCheck to go by within Pentair Home. Press SAVE.
11. Installation Completed will display. Press CONTINUE and continue to *Sanitizer Calibration, page 4*.



**FIGURE 5**



**FIGURE 6**



**FIGURE 7**

## Sanitizer Calibration

After pairing ChemCheck to Pentair Home, the Sanitizer Calibration screen will display (**Figure 8**). ChemCheck must be calibrated before being placed into regular operation. Failure to calibrate will lead to incorrect or misleading water quality readings.

### BEFORE CALIBRATING CHEMCHECK ENSURE:

- Filtration pump is running
- Any added chemicals have had at least 24 hours to evenly distribute and mix within pool water
- ChemCheck has been installed a minimum of 24 hours

### TO CALIBRATE CHEMCHECK:

1. Use a high quality water testing kit or take your water to a pool store to ensure pool water chemistry is within the following ranges:

- **pH:** 7.2 - 7.8
- **Alkalinity:** 80 - 120 ppm
- **Calcium Hardness:** 200 - 500 ppm
- **Cyanuric Acid/Stabilizer:** 30 - 60 ppm
- **Free Chlorine:** 1 - 3 ppm
- **Total Dissolved Solids (TDS):** 3000 - 6000 ppm (Salt Chlorinated Pools Only)
- **Salt:** 3000 - 4500 ppm (Salt Chlorinated Pools Only)
- **Metals:** None
- **Nitrates:** None
- **Phosphates:** Fewer than 125 ppb

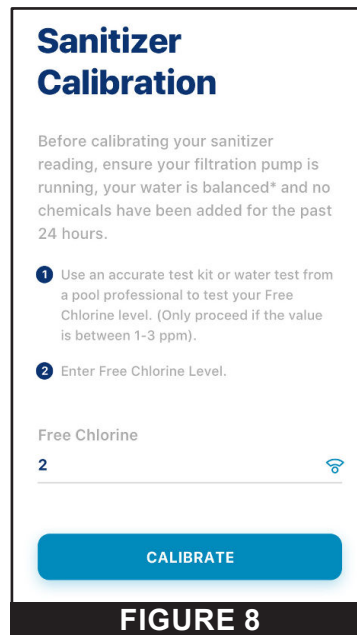
2. Ensure both ChemCheck flow valves are open.

3. Enter the Free Chlorine value given by the water test strip. See **Figure 8**.

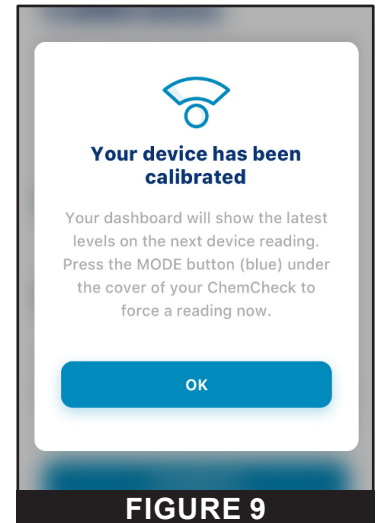
4. Press CALIBRATE.

5. Your Device Has Been Calibrated will display (**Figure 9**). Press OK to complete initial calibration.

6. At the ChemCheck, press the blue button to manually start a water quality reading and confirm proper calibration.



**FIGURE 8**



**FIGURE 9**

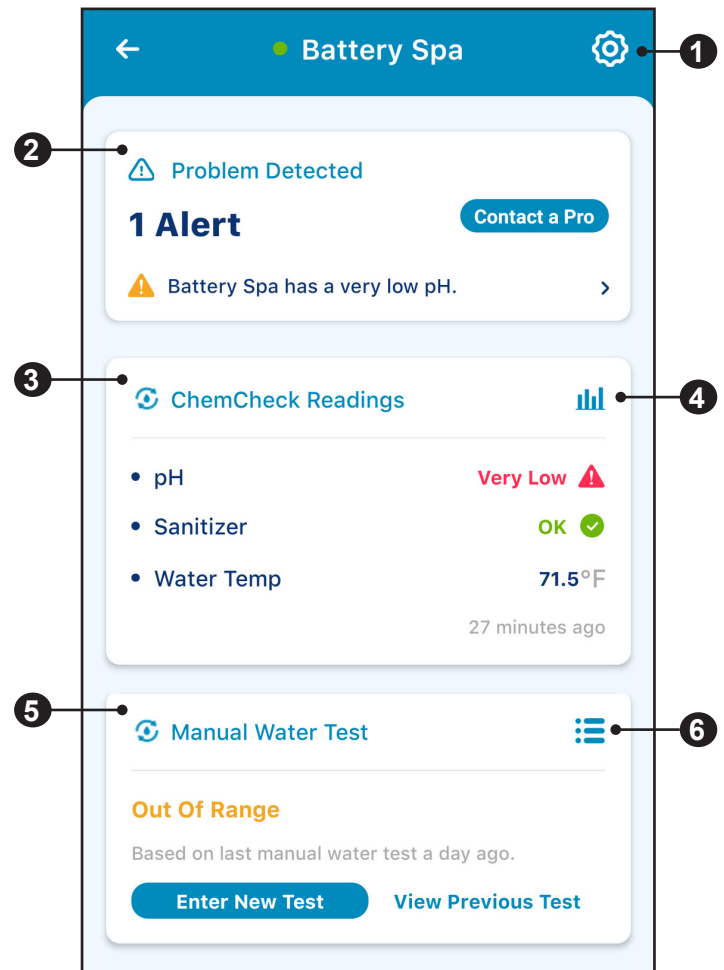
### Recalibration is recommended in the following cases:

- At the beginning of each pool season.
- After the pool is drained.
- After the electrode is replaced.
- After any major adjustment or change to water chemistry.

## ChemCheck Dashboard

The ChemCheck Dashboard is the home screen for your ChemCheck Water Quality Monitor. Reading histories, general water quality, notifications and most other ChemCheck data can be accessed from this screen.

- 1- **ChemCheck Settings Icon:** Opens the ChemCheck Settings screen. This screen displays information about your specific ChemCheck unit, local pool professionals, notification settings and remote monitoring settings.  
Refer to *ChemCheck Settings, page 8* for more info.
- 2- **Alerts and Reminders:** Displays alerts, errors and reminders when applicable.  
Refer to *Troubleshooting, page 9* for a list of alerts.
- 3- **ChemCheck Readings:** Displays the latest pH, Sanitizer and Water Temperature readings, as well as how long ago they were reported by ChemCheck.  
Press to open Water Temperature History screen (**Figure 14, page 6**).
- 4- **Reading History Icon:** Press to display historical graphs of pH, Sanitizer and Water Temperature readings.
- 5- **Manual Water Test:** Displays overall water quality status from manual water tests.
  - **EVERYTHING IN RANGE:** The last completed manual water test showed readings were within the recommended range.
  - **OUT OF RANGE:** The last completed manual water test showed readings outside of the recommended range.  
Refer to *Manual Water Tests and Balancing your Pool, page 6* for corrective actions.
- 6- **Water Test History Icon:** Press to display a list of previous manual water test results.



## Manual Water Tests and Balancing your Pool

The ChemCheck electrode electronically measures pH, ORP and Water Temperature. While electronic monitoring can reduce the frequency of manual water tests, it is not intended to fully replace them. Entering these manual water test results into Pentair Home will allow the app to provide various suggestions.

Any time the Manual Water Test tab (2) displays OUT OF RANGE a manual water test should be performed and recorded. A reminder recommending a manual water test will also appear on the ChemCheck Dashboard if a test has not been entered for two weeks. See **Figure 10**.

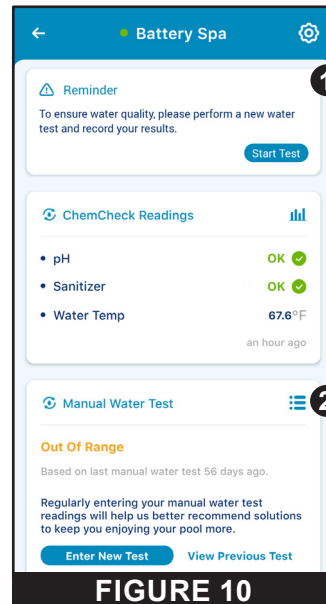
### TO RECORD A MANUAL WATER TEST IN PENTAIR HOME:

1. At the ChemCheck Dashboard, press START TEST inside the Reminder tab (1) or ENTER NEW TEST inside the Manual Water Test tab (2). See **Figure 10**.
2. The Manual Water Test screen will display. Choose the test method you wish to use.
3. The Results Entry screen will display (**Figure 11**). Perform a water test and enter the results into the appropriate fields.
4. Press SAVE.

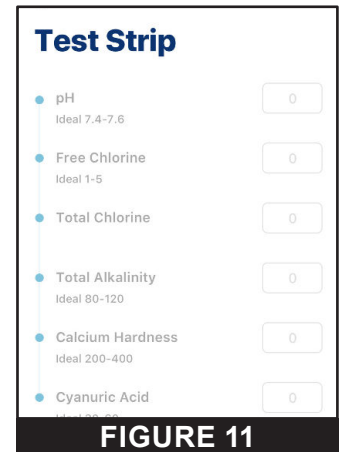
5. The Pool Info screen will display. Enter your pool volume or verify previously entered volume.

**Note:** If unsure of your pool's volume, press the calculator icon in the right side of the entry window to open a volume calculator.

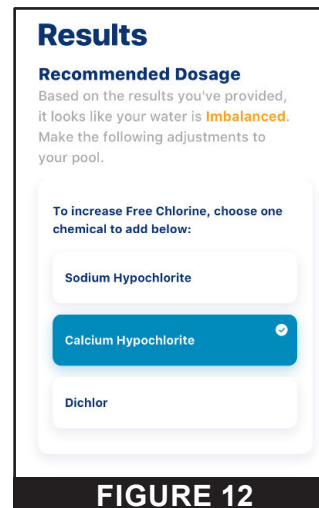
6. Press CONTINUE.
7. The Results screen will display. See **Figure 12**.
  - **If OUT OF RANGE:** A list of recommended balancing agents will be shown.
  - **If EVERYTHING WITHIN RANGE:** Press SAVE to exit.
8. Select the balancing agent you wish to correct the imbalance with.
9. Press CONTINUE.
10. The Recommended Dosage screen will display (**Figure 13**). Recommended Dosages (3) will be shown for each selected balancing agent.
11. Enter the amount of each balancing agent (4) being added to the pool.
12. Press SAVE.



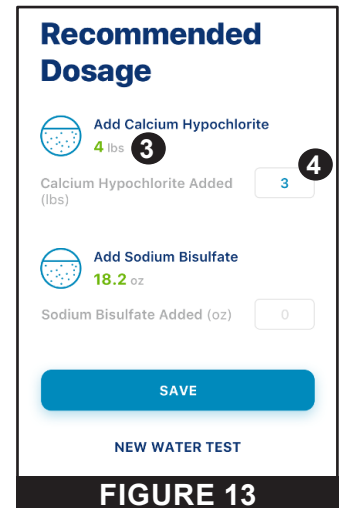
**FIGURE 10**



**FIGURE 11**



**FIGURE 12**

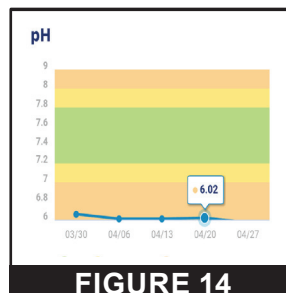


**FIGURE 13**

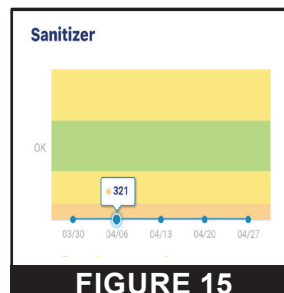
## Reading Histories

Pentair Home automatically stores a history of electrode readings as they are received from the ChemCheck cell. Historical data for water temperature, pH and sanitizer readings can be accessed from the ChemCheck Dashboard by pressing the Bar Graph Icon to the right of "ChemCheck Readings".

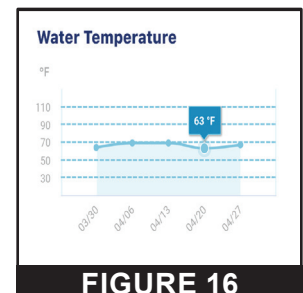
- **pH (Figure 14):** Previous pH readings can be viewed on an hourly, daily, weekly or monthly graph.
- **Sanitizer (Figure 15):** Previous sanitizer readings can be viewed on an hourly, daily, weekly or monthly graph.
- **Water Temperature (Figure 16):** Previous water temperature readings can be viewed on an hourly, daily, weekly or monthly graph.



**FIGURE 14**



**FIGURE 15**



**FIGURE 16**

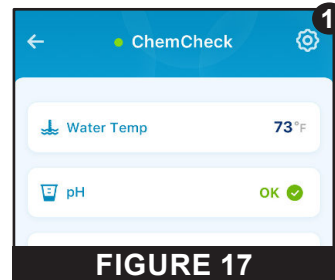
## pH Offsets

If the ChemCheck Water Quality Monitor is sensing a different pH than your manual water test is giving, a pH offset should be entered into the app to compensate.

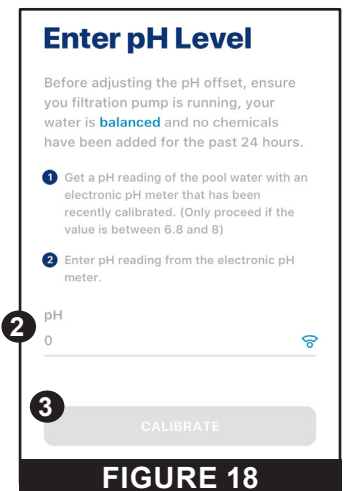
Before recalibrating ChemCheck, ensure ChemCheck readings are incorrect using a calibrated electronic probe.

### TO SET AN OFFSET:

1. Ensure the filtration pump is running and no chemicals have been added to the pool in the previous 24 hours.
2. At the ChemCheck Dashboard, press the Settings icon (**Figure 17**).
3. The ChemCheck Settings screen will display.
4. Scroll to and press pH OFFSET.
5. The Enter pH Level screen will display.
6. Enter the pH results (2) from your manual water test and press CALIBRATE (3). See **Figure 18**.



**FIGURE 17**



**FIGURE 18**

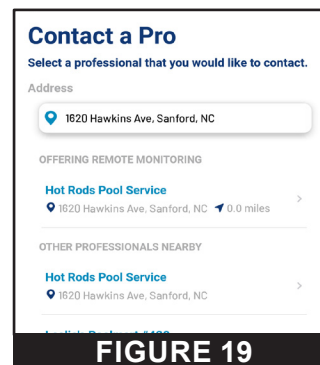
## Remote Monitoring

If desired, you may request a local pool professional to remotely monitor your ChemCheck water quality readings and system alerts.

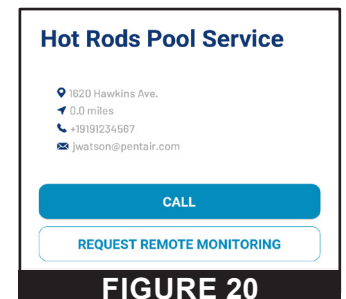
Remote access to this information can be revoked at any time via ChemCheck Settings.

### TO REQUEST REMOTE MONITORING:

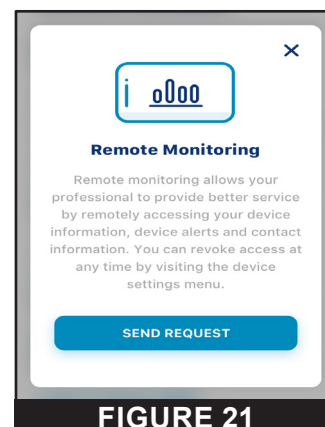
1. At the ChemCheck Dashboard, press the Settings icon (1).
2. The ChemCheck Settings screen will display.
3. Scroll to and press REMOTE MONITORING.
4. The Contact a Pro screen will display, showing a list of local pool professionals offering remote monitoring. See **Figure 19**.
5. Select your preferred pool professional.
6. The Pro Request screen will display. Press REQUEST REMOTE MONITORING. See **Figure 20**.
7. An explanation of remote monitoring will display. To proceed with the request, press SEND REQUEST. See **Figure 21**.
8. The Pro Request screen will display again and will verify your request has been sent.



**FIGURE 19**



**FIGURE 20**



**FIGURE 21**

## ChemCheck Settings

ChemCheck Settings can be accessed by pressing the Settings icon (⚙️) in the top-right of the ChemCheck Dashboard (refer to *ChemCheck Dashboard* on page 5).

- 1- **Product Overview:** View and edit general information about your ChemCheck such as pool address, last reported pH/ORP readings, pH/ORP offsets, and your ChemCheck's software version and ID.
- 2- **Notifications:** Control where and how device notifications are delivered.
- 3- **Product Support:** Opens [www.pentair.com](http://www.pentair.com) within the app.
- 4- **Contact a Professional:** Use your address to find a local pool professional.  
Search results will contain all local pool professionals.
- 5- **Remote Monitoring:** Use your address to find and contact local pool professionals offering to remotely monitor your ChemCheck readings.  
Search results will only contain professionals offering remote monitoring.  
Remote monitoring permissions can be given and revoked from this screen at any point.  
Refer to *Remote Monitoring, page 7* for more info.
- 6- **WiFi:** View and update the WiFi network your ChemCheck is paired to, as well as the last reported signal strength.  
**Note:** To update a WiFi network, the user must be connected via *Bluetooth*® wireless technology. Refer to *Pairing ChemCheck to your Account, page 3* for instructions.
- 7- **Manual Water Test:** Enter manual water test results and view previous water tests and balancing processes.  
Refer to *Manual Water Tests and Balancing your Pool, page 6* for more info.
- 8- **Battery Life:** View your current battery charge level. This tab is inactive if your ChemCheck is AC-powered (corded).
- 9- **Winterization Mode:** View instructions for winterizing ChemCheck.
- 10- **Sanitizer Calibration:** Calibrate ChemCheck to ensure accurate ORP readings.  
Refer to *Sanitizer Calibration, page 4* for more info.
- 11- **pH Offset:** Set an offset to compensate for differences between ChemCheck pH readings and manual water test pH results.  
Refer to *pH Offsets, page 7* for more info.
- 12- **Remove Device:** Remove ChemCheck from your Pentair Home account.

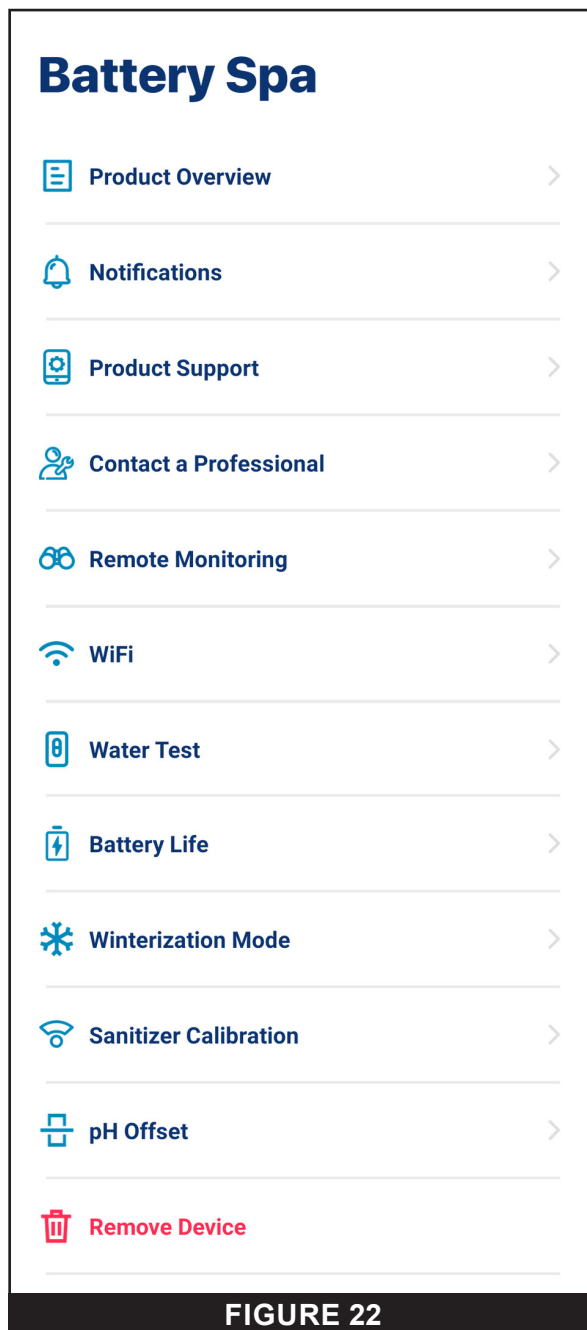


FIGURE 22

# TROUBLESHOOTING

## Status Check LED

A quick flow, connectivity and electrode status check can be performed by pressing the blue button on top of the ChemCheck. This button, and its accompanying LED, are located between the WiFi Antenna and Electrode Connection.

**Note:** Water readings will pause for 5 minutes after the blue button is pressed. If all status checks were successful (Solid Blue, Solid Green, and Solid Purple LEDs) readings will restart after this pause.

Start a status check sequence by pressing the blue button once. The Status LED will illuminate and ChemCheck will cycle through the three separate status checks. The chart below shows the order in which statuses will display and what a specific LED behavior means:

	LED BEHAVIOR	STATUS	CORRECTIVE ACTION
FLOW	Solid BLUE	Sufficient water flow through ChemCheck <i>Blue flow indicator, located in the electrode reservoir, is in the UP position</i>	None required
	Blinking BLUE	Insufficient water flow through ChemCheck <i>Blue flow indicator, located in the electrode reservoir, will be visible</i>	Ensure filtration pump is running Inspect system valves and water connections. Ensure both ChemCheck flow valves are open. Ensure ChemCheck has been mounted level. Ensure ChemCheck in-line filter and primary system filter are clean. Clean if necessary.
WIFI CONNECTIVITY	Solid GREEN	Adequate signal between ChemCheck, WiFi router and Pentair Home app	None required
	Blinking ORANGE	Adequate signal between ChemCheck and WiFi router; but weak or broken signal between router and Pentair Home app	Ensure other devices can connect to WiFi and repair internet connection accordingly.
	Solid RED	Weak or broken signal between ChemCheck and WiFi router	Ensure WiFi router is on and broadcasting a signal. Relocate ChemCheck to an area with stronger WiFi signal. Purchase and install an antenna extender. Purchase and install a WiFi extender.
	Blinking YELLOW	ChemCheck is in WiFi pairing mode	None required
ELECTRODE	Solid PURPLE	Electrode properly connected to ChemCheck	None required
	Blinking PURPLE	Electrode improperly connected to ChemCheck	Ensure the electrode connector is correctly and tightly threaded onto the electrode terminal.

## App Alerts

### No Flow Alert

ChemCheck checks for proper water flow every 15 minutes.

If water flow is not detected for 24 hours, a No Flow Alert will display on the ChemCheck Dashboard.

### Device Offline Alert

When flow is detected, ChemCheck attempts to connect to the internet every hour.

When is flow is NO detected, ChemCheck attempts to connect to the internet every 12 hours.

If a connection can not be established during this time, a Device Offline alert will display on the ChemCheck Dashboard.

# NOTES

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# NOTES

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