



Muriatic acid is a highly corrosive liquid. It can cause severe burns to the skin, eyes, and respiratory tract. It is also a strong irritant and can cause severe damage to the lungs. It is important to handle this chemical with extreme care and to wear appropriate protective equipment.

Always add acid to water, never add water to acid. This is a critical safety rule to prevent a violent reaction. Always use proper ventilation and wear eye protection and gloves when handling this chemical.

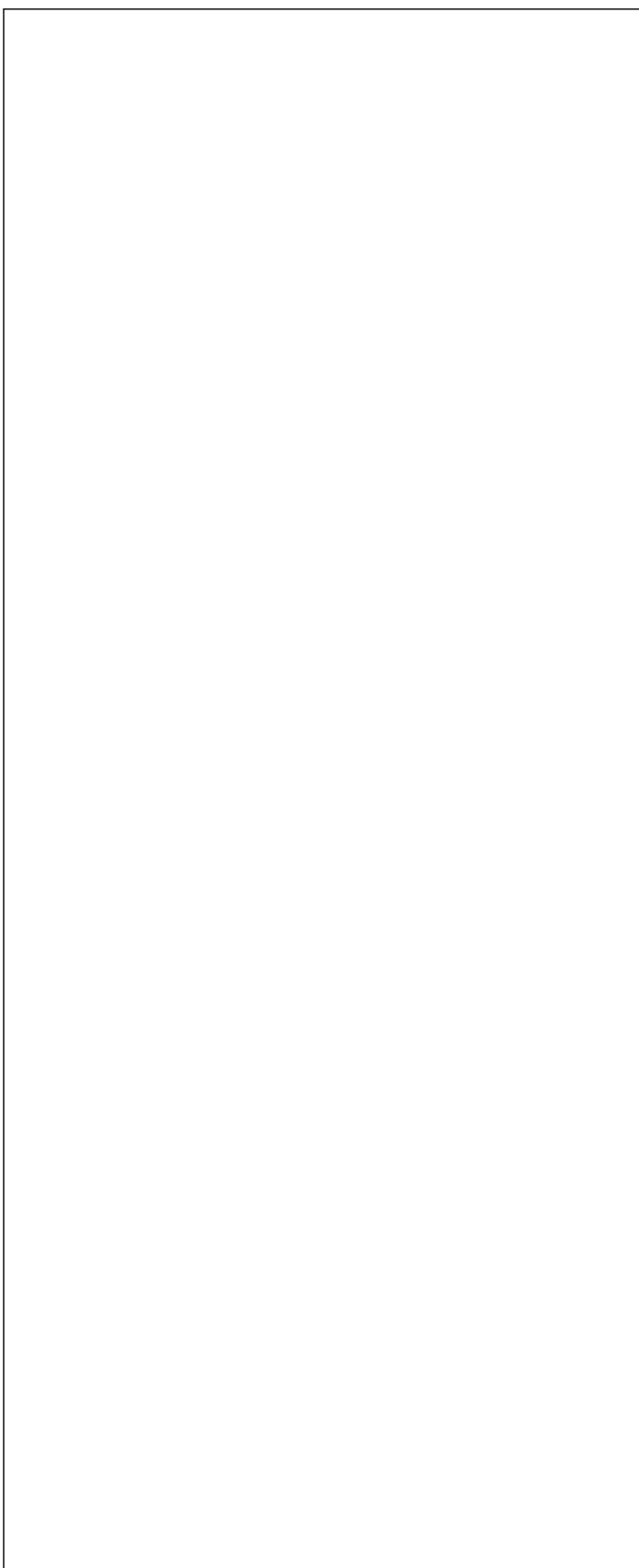
CHEMICAL BURN HAZARD! Muriatic acid can cause severe burns to the skin, eyes, and respiratory tract. It is also a strong irritant and can cause severe damage to the lungs. It is important to handle this chemical with extreme care and to wear appropriate protective equipment.

This chemical is classified as a highly corrosive liquid. It is also a strong irritant and can cause severe damage to the lungs. It is important to handle this chemical with extreme care and to wear appropriate protective equipment. This chemical is also listed on the NFPA 704 Hazardous Materials Index (NEC), NFPA 704 Hazardous Materials Index (CEC), and CSA C22.2. A.

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.



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

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INTRODUCTION

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

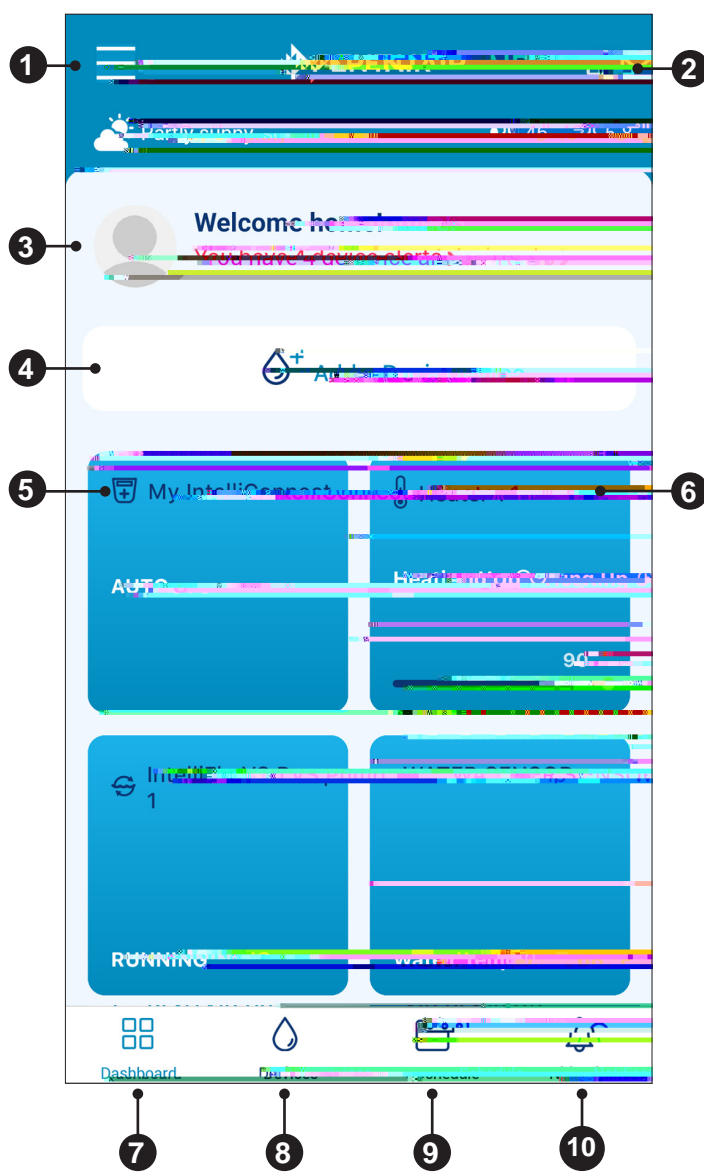
ChemCheck™ Water Quality Monitor readings can only be accessed through a personalized Pentair Home account. This guide provides instructions on creating an account and using Pentair Home to get the most out of your ChemCheck.

Home Dashboard

Use the Home Dashboard icon [7] 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, 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.).
- 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.



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

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).

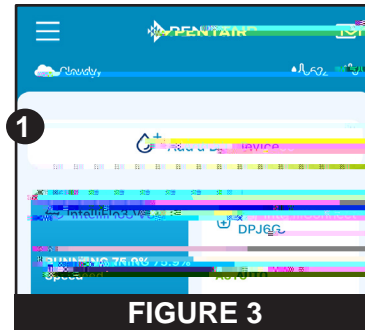


FIGURE 3

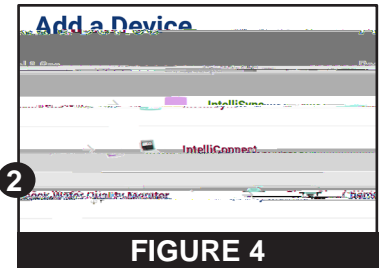


FIGURE 4

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.

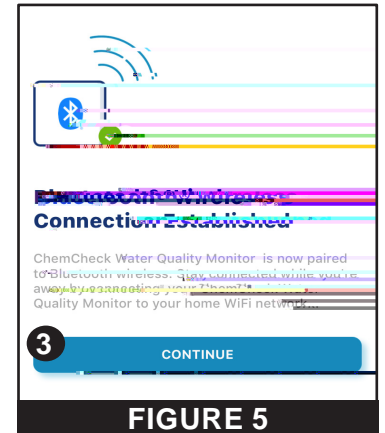


FIGURE 5

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*.

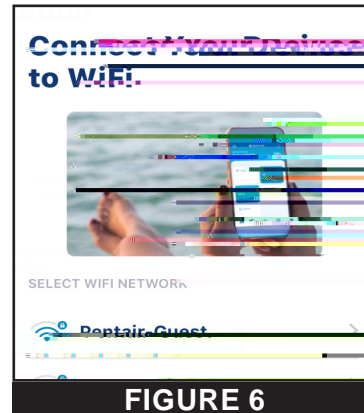


FIGURE 6

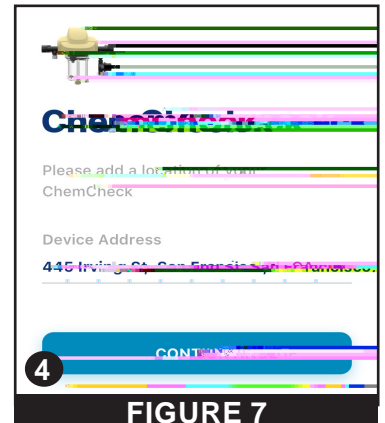


FIGURE 7

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

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. Recalibration is recommended in the following cases:

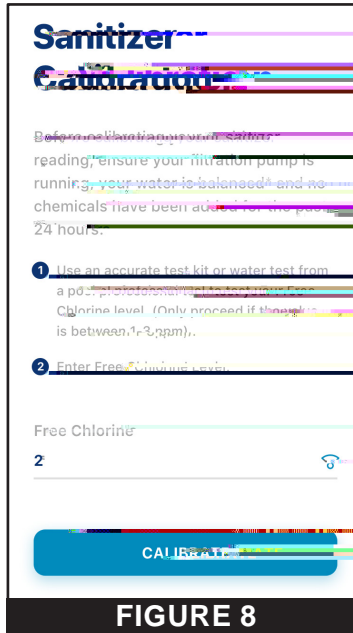


FIGURE 8

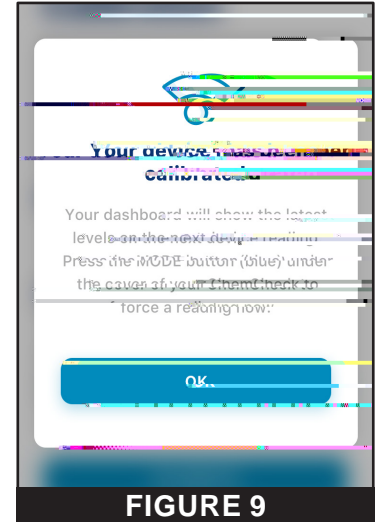


FIGURE 9

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

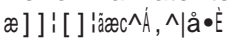
- 1- **ChemCheck Settings Icon:** Opens the ChemCheck Settings screen. This screen displays ChemCheck unit, local pool professionals, and settings. Refer to *ChemCheck Settings, page 8* for more info.
- 2- **Alerts and Reminders:** Displays alerts, errors and reminders when applicable. Refer to *Troubleshooting, 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.

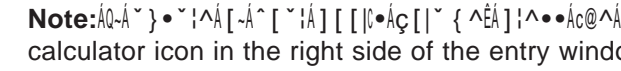
Manual Water Tests and Balancing your Pool

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

Note:  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

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.



pH Offsets

If the ChemCheck Water Quality Monitor is sensing a pH that is consistently off, you may need to adjust the pH offset. Before recalibrating ChemCheck, ensure ChemCheck readings are incorrect using a calibrated electronic probe.

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

TO SET AN OFFSET:

1. If you have recently added chemicals 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.

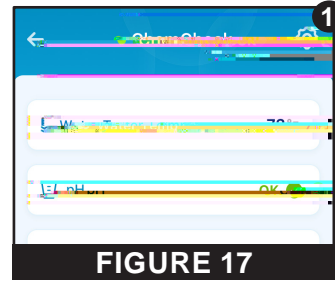


FIGURE 17

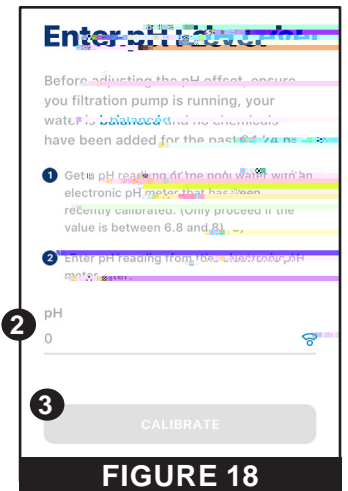


FIGURE 18

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

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 software version and ID.
- 2- **Notifications:** Notifications are delivered.
- 3- **Product Support:** Opens www.pentair.com within the app.
- 4- **Contact a Professional:** Search results will contain all local pool professionals.
- 5- **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)

App Alerts

No Flow Alert

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