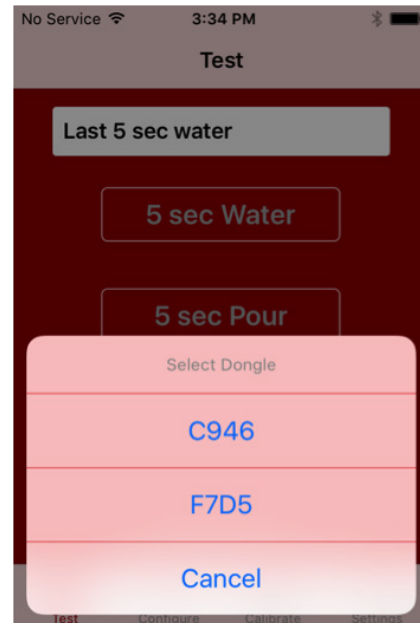
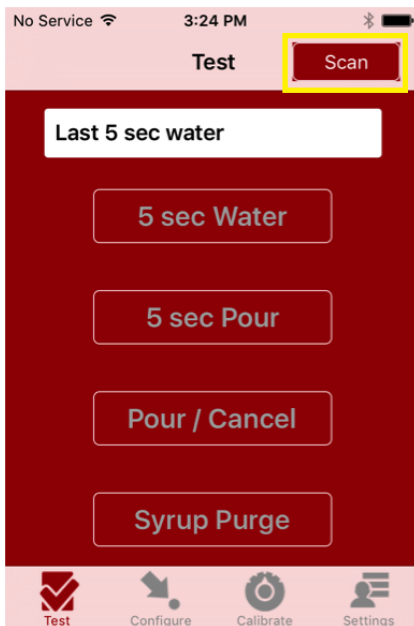


Connecting

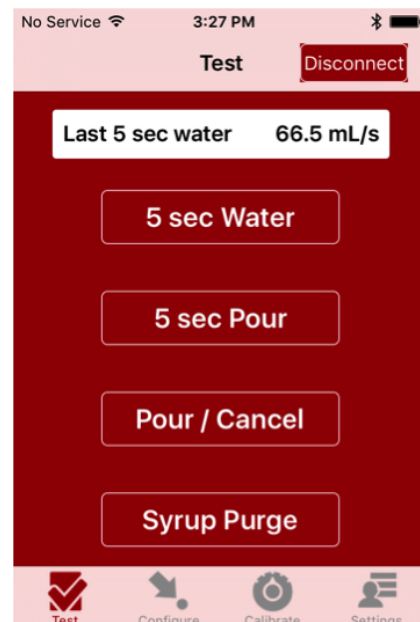
1. Insert the programmer's 10-pin connector into the ID Panel plug on the front of the circuit board.
2. Open the iPhone app named *Volumetric Valve*



3. Select the *Scan* button to discover available volumetric valve Bluetooth dongles within range.



5. Once you have successfully connected, the test screen buttons will become active and your dongle identification will be saved.
6. When reconnecting with the same dongle, click on scan and the dongle will connect automatically



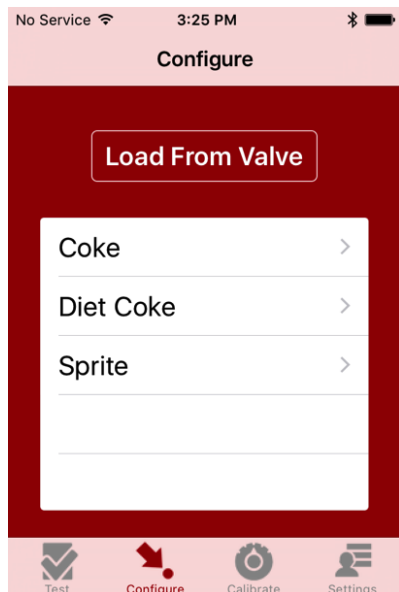
7. If your dongle is not showing up on the list or the test screen buttons do not become active:
 - Hold the *Unpair* button on the front of the dongle for 10 seconds and try scanning again.
8. If the dongle still does not connect, disconnect the dongle and trying plugging it back in.

Test Screen

- **Disconnect** - To select another dongle, press this button to disconnect the Volumetric Valve app from the currently connected dongle.
- **5 Sec Water** - Press this button to pour water for five (5) seconds. The programmer will display the flow rate in oz/sec or the flow rate in ml/sec depending on your settings.
- **5 Sec Pour** - Press this button to dispense a five (5) second pour of water and syrup for testing.
- **Pour/Cancel** - Press this button to manually pour a mixed drink. This button will also stop a timed pour.
- **Syrup Purge** - Press and release to dispense a six (6) second syrup purge. Continue holding to purge syrup from system.

Configure Screen

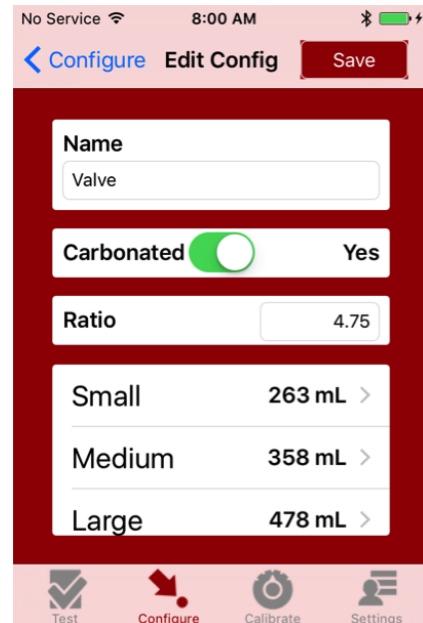
1. From the configure screen you can either select a saved configuration or load the current configuration from the valve.



NOTE

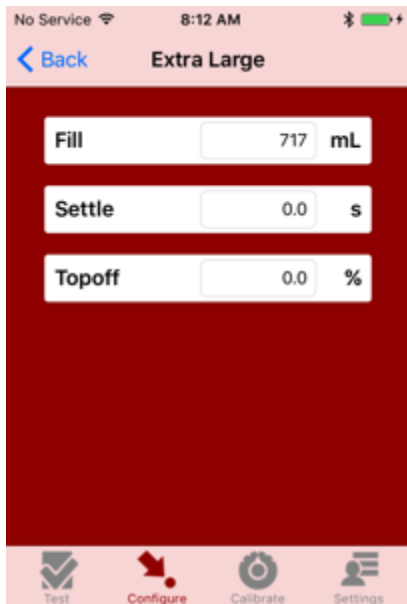
The listed configurations are provided as examples only.

2. After making a selection you are brought to the edit config screen where you can make changes to your current selection or save your selections as a new configuration.

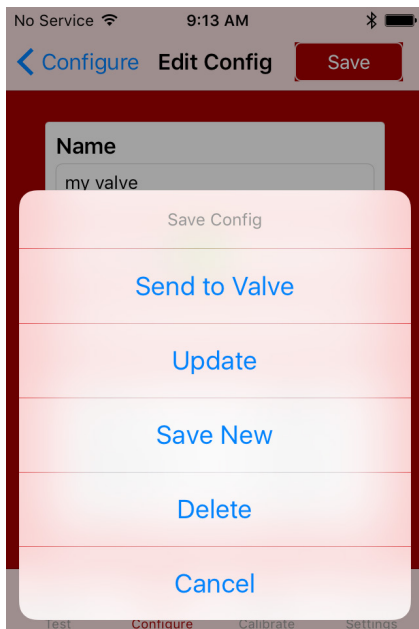


3. Leave the *Name* the same to make changes to the current configuration or change to save as a new configuration.
4. Use the *Carbonated* slider to select if the drink for this configuration is carbonated or not.
5. Enter the correct ratio using the displayed numeric keyboard and then select done.

- Cup sizes available are *Small*, *Medium*, *Large*, and *Extra-Large*. To modify, select a cup size to bring up the settings for the selected size.



- Fill** - The amount of drink dispensed on first pour.
 - Settle** - Delay time to wait for foam to settle before actuation again.
 - Topoff** - The additional percent (or volume depending on the setting choice) added to finish cup.
- Select *Back* to return to the previous screen.
 - Once you have finished entering the settings for the current configuration select save and select the desired action.



- Send to Valve** - This will write the current configuration to the connected valve.
- Update** - This will update the previously saved configuration.
- Save Configuration** - This will save the current configuration as a new choice that can be selected from configure screen in the future.
- Delete** - This will delete the currently selected configuration.

Calibrate Screen

Displays the connected valve model and version.

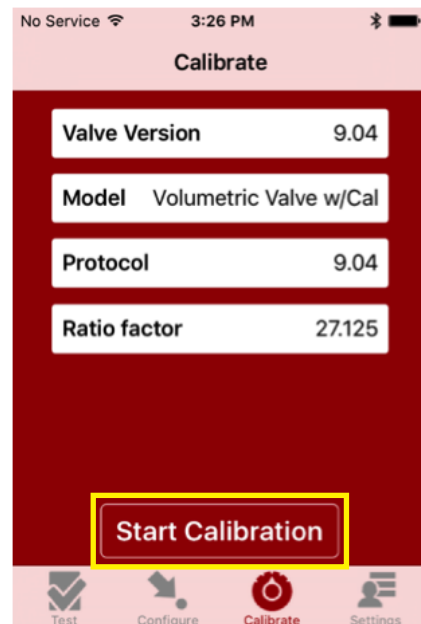
Volumetric Valve

Earlier volumetric valve versions could not be calibrated electronically and will just display the version and model.

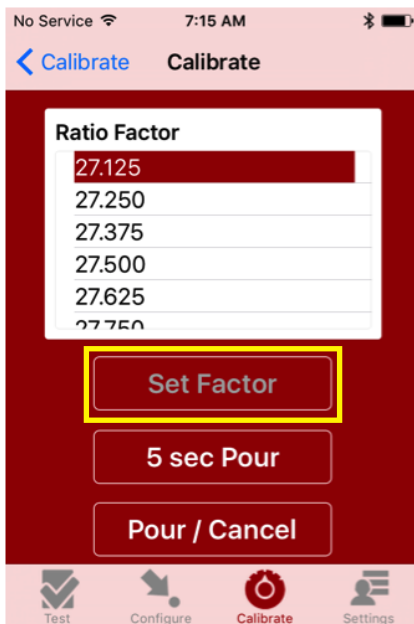
Volumetric Valve with Calibration

Valves that can be calibrated electronically will display the valve's version and model information as well as the current ratio factor. The following are steps on how to calibrate Volumetric Valve:

- Select *Start Calibration*.



2. Finding the correct Ratio Factor will require a syrup separator and a ratio cup.
3. Install the Lancer syrup separator in place of the nozzle.
4. Hold the Lancer ratio cup under the syrup separator and select 5 sec Pour.
5. Water and syrup levels must rise together in the ratio cup.
6. If the syrup level is not even with the water in the cup, adjust the Ratio factor up or down.
7. Select set factor.

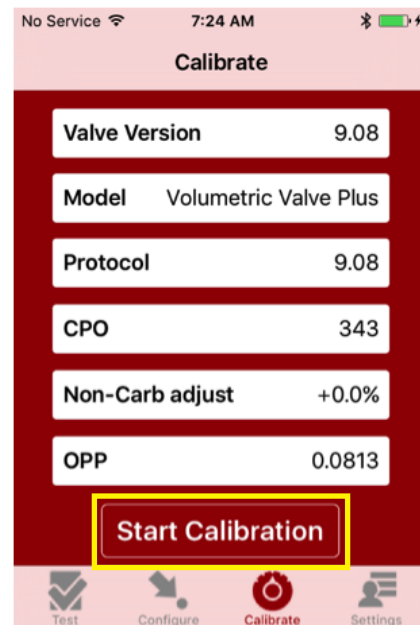


8. Hold the empty ratio cup under the separator and press 5 sec pour. Repeat until the syrup level is even with the water in the ratio cup.
9. Once the correct ratio factor has been established select Set Factor.
10. Remove the syrup separator and install the nozzle.
11. Select calibrate to return to the previous screen.

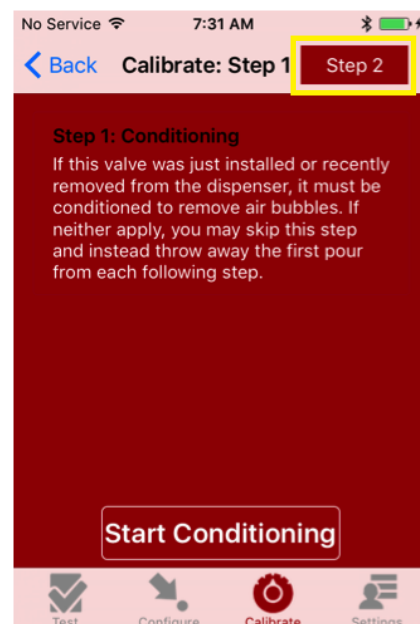
Volumetric Valve Plus

Displays the CPO, non-carb adjust, and OPP in addition to the valve version and model information. The following are steps on how to calibrate Volumetric Valve Plus:

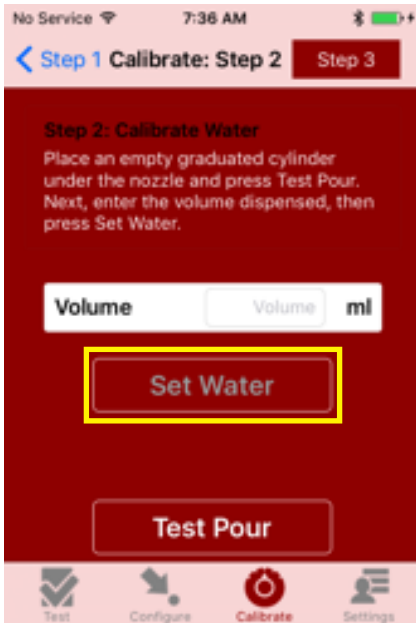
1. Select *Start Calibration*.



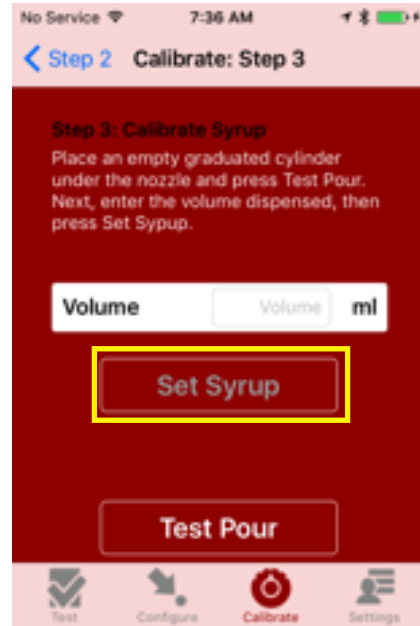
2. For a new valve or recently removed from the dispenser go through the condition process to remove trapped air. If neither apply, you can skip this step by selecting *Step 2*.



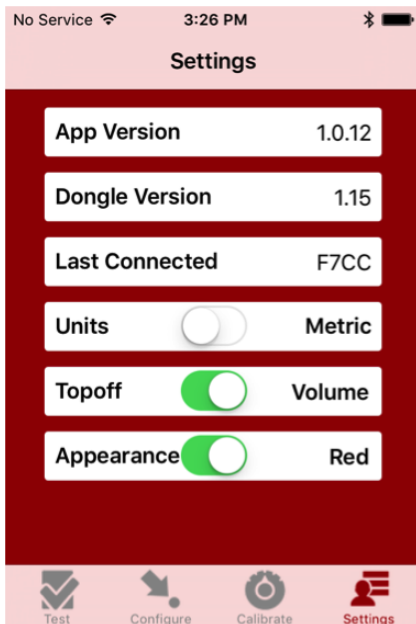
3. After placing an empty graduated cylinder under the nozzle select *Test Pour* to calibrate the water. Enter the volume dispensed and select *Set Water*. Select *Step 3*.



4. After placing an empty graduated cylinder under the nozzle select test pour. Enter the volume dispensed and select Set Syrup. Once your entry is successfully saved you will be brought back to the main calibrate screen where your updated CPO and OPP will be displayed.



Settings Screen



- **App Version** - Displays the current version of the iPhone application
- **Dongle Version** - Displays the current version of the dongle software.
- **Last Connected** - Displays the last 4 digits of the serial number of the last dongle connected. The app will automatically attempt to connect to this dongle next time it is opened.
- **Units** - Choose *Metric* to view the settings in ml or *Imperial* to view the settings in ounces.
- **Topoff** - Select volume or percent for modifying the drink size settings.
- **Appearance** - Changes the color settings of the application between red and light.

NOTE

Please refer to the Lancer website (lancercorp.com) for more information relating to Lancer Installation and Operation Manuals, Instructions Sheets, Technical Bulletins, etc.

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