

Water Test Kit Instructions for p/n 598

Water Quality Test Procedures

*Carefully read and follow precautions on test chemical labels.
Keep test chemicals away from children.*

Initial Furnace Fill and Water Treatment

1. Use the Owner's Manual to identify the correct amounts of corrosion inhibitor 1650XL and MolyBoost for the initial fill. Use the Installation Guide to check the pH levels of the supply water and for the procedure for filling the furnace and purging air from the system.
2. After the water has circulated for 24 hours, drain about a quart of water from the sight gauge tube to ensure a clean sample; then rinse and fill the sample tube with treated water from the furnace.
3. Remove and dip one pH test strip into water sample. Shake excess water off the strip. Compare paper color to the pH color chart. NOTE: The pH of the water should now be between 8.0 and 9.5.
4. Rinse sample tube twice and fill to the 5mL mark with treated water from the furnace.
5. Add four (4) drops of 2900617 Ferrioin Indicator to the water sample and swirl to mix. Sample should turn red or orange.

6. Add 2900618 CAN Solution one drop at a time, swirling the water and counting each drop, until color changes from red/orange to blue, which persists for at least one minute. Always hold the bottle in a vertical position to ensure proper droplet size. The initial nitrite level target is 2000 ppm (1 drop = 40 ppm). If blue color is achieved before 50 drops have been added, it is an indicator that the inhibitor level is low. If this happens, add 1/4 unit of 1650XL Inhibitor Plus through the 2" vent pipe, circulate the water throughout the system for 24 hours, and repeat steps 4-6.

Maintenance Levels

Test the pH and nitrite levels after the first three months and every six months thereafter, or after adding water to furnace. After initial treatment, the nitrite level must be maintained at a level between 1500 and 3000 ppm (38-75 drops). The pH of the water should be between 8.0 and 9.5. The nitrite level alone is not the only indicator of water quality, but rather an indicator that the proper amount of 1650XL Inhibitor Plus (p/n 1650) is present in the system. The nitrite level will NOT increase unless 1650XL Inhibitor Plus is added. If any other water quality issues are known, the water should be conditioned or water should be supplied from a different source.

Safely dispose of tested samples. Store the test kit at room temperature. If you have any questions or would like to replace parts and test chemicals, please contact your local Central Boiler dealer.

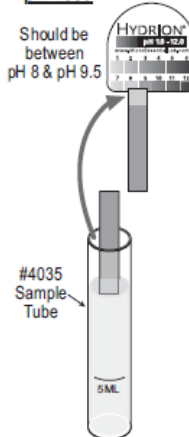
Sodium Nitrite (1 drop = 40 ppm)

p/n 9000680

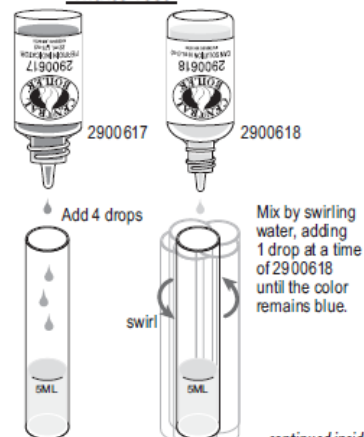
Components:

- 1 - Sample Tube, Calibrated, 5 mL, plastic (#4035)
- 1 - Instruction (#9000680)
- 1 - Ferrioin Indicator (#2900617)
- 1 - CAN Solution (#2900618)
- 1 - pH Test Strips (#153)

pH Test



Nitrite Test



continued inside



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