



## Spire 1.1 DISPENSING SYSTEM CLEANING INSTRUCTIONS

### EQUIPMENT NECESSARY

Clean 5 gallon bucket  
Clean 2-1/2 to 5 gallon bucket (Catch Container)  
Safety goggles and rubber gloves  
Acceptable Sanitizing Solution (see CLEANING SOLUTION below for example of acceptable sanitizer)

### WARNING!

**DO NOT USE LAUNDRY TYPE LIQUID BLEACH AS A SANITIZER!!**

**CAUTION: Chlorinated Sanitizers are corrosive. Wear rubber gloves and safety goggles while performing all cleaning and sanitation procedures.**

### CLEANING SOLUTION

A Sanitizing agent capable of providing 100 PPM of available chlorine when properly mixed with 110° to 120° F or 45° to 50° C warm water is required. Always be certain to follow the sanitizer manufacturer's instructions for proper dilution to produce a 100 PPM chlorinating sanitizer solution when mixed with water.

Examples of sanitizers with 100 PPM available chlorine are: Kay 5 Sanitizer, by Kay Chemicals division of Ecolab, Inc., or B-T-F Chloromelamine Disinfectant, (p/n CD-SA-8) by National Chemicals, Winona, MN. Mix one packet of Kay-5 or B-T-F sanitizer powder per 2-1/2 gallons of warm water (110° F or 45° C) and mix thoroughly with paddle or wooden spoon.

### PREPARATION:

Follow the manufacturer's instructions for proper dilution of their sanitizing agent that is necessary to produce a 100 PPM chlorinated cleaning solution when mixed with 5 gallons of warm water (110° F or 45° C). Mix sanitizing agent and water thoroughly with paddle or wooden spoon.

### CLEANING PROCEDURE

#### WASH

1. Fill a 5 gallon bucket with Cleaning Solution (See above for Cleaning Solution Preparation).
2. Disconnect any QCD-2 BIB syrup connectors from the BIB(s).
3. Connect the first QCD-2 connector to the Sanitizer Adapter. Fully actuate the connector by pushing the center plunger into the Sanitizer Adapter fully.
4. Place the QCD-2 connector with Sanitizer Adapter installed into the pail or bucket of Cleaning Solution.
5. Place a catch container under the dispenser's nozzle.
6. Enter the "Service Screen".
7. PRESS and HOLD the associated (Syrup) Circuit's PRIME Button to flow the Cleaning Solution through the entire dispensing system and Spire until a minimum of 1/2 gallon of Cleaning Solution has been dispensed from the nozzle into the catch container.
8. Allow the Cleaning Solution to remain in the system for a minimum of two minutes.

#### RINSE

9. Fill a 5 gallon bucket with Cleaning Solution (See above for Cleaning Solution Preparation).
10. PRESS and HOLD the associated (Syrup) Circuit's PRIME Button to until a minimum of one quart of Cleaning Solution has been dispensed from the nozzle into the catch container.

#### SANITIZE

11. Fill a 5 gallon bucket with Cleaning Solution (See above for Cleaning Solution Preparation).
12. PRESS and HOLD the same (Syrup) Circuit's PRIME Button until a minimum of 1 quart of Cleaning Solution has been dispensed into the catch container.
13. Remove the QCD-2 and Adapter from the Cleaning Solution and again PRESS and HOLD the same (Syrup) Circuit's PRIME Button until the remaining Cleaning Solution is dispensed.
14. Install the Pump Product Connector onto the correct Syrup Container.
15. PRESS and HOLD the associated (Syrup) Circuit's PRIME Button until pure syrup product is observed dispensing from the Dispensing Spire's nozzle. Then dispense a minimum of three (3) ounces of syrup to assure the product dispensed contains no Cleaning Solution.
16. PRESS "EXIT" to exit Service Screen.

## NOZZLE, DIFFUSER, DRAIN, and SPIRE CLEANING INSTRUCTIONS

### EQUIPMENT NECESSARY

- Clean 2-1/2 to 5 gallon pail or bucket (1)
- Clean cloth towel (1)
- Safety goggles and rubber gloves

### WARNING!

**DO NOT USE LAUNDRY TYPE LIQUID BLEACH AS A SANITIZER!! \**

**CAUTION: Chlorinated Sanitizers are corrosive. Wear rubber gloves and safety goggles while performing all cleaning and sanitation procedures.**

### CLEANING SOLUTION

A Sanitizing agent capable of providing 100 PPM of available chlorine when properly mixed with 110° to 120° F or 45° to 50° C warm water is required. Always be certain to follow the sanitizer manufacturer's instructions for proper dilution to produce a 100 PPM chlorinating sanitizer solution when mixed with clean water.

Examples of sanitizers with 100 PPM available chlorine are: Kay 5 Sanitizer, by Kay Chemicals division of Ecolab, Inc., or B-T-F Chloromelamine Disinfectant, (p/n CD-SA-8) by National Chemicals, Winona, MN. Mix one packet of Kay-5 or B-T-F sanitizer powder per 2-1/2 gallons of warm water (110° F or 45° C) and mix thoroughly with paddle or wooden spoon

### PREPARATION:

Follow the manufacturer's instructions for proper dilution of their sanitizing agent that is necessary to produce a 100 PPM chlorinated cleaning solution when mixed with 5 gallons of warm water (110° F or 45° C). Mix sanitizing agent and water thoroughly with paddle or wooden spoon.

### Recommended Daily Procedures

1. Prepare 2-1/2 gallons of Cleaning Solution in a pail or bucket (See above for Cleaning Solution Preparation).
2. Unplug the dispenser or turn the dispenser off.
3. Twist and remove the nozzle and place in Cleaning Solution for 2 minutes. Scrub nozzle and diffuser with a clean brush until any buildup is removed.
4. Remove the nozzle from Cleaning Solution. Allow the nozzle and diffuser to air dry.
5. Remove the cup rest from the drip tray and rinse it thoroughly with warm tap water.
6. Pour about ½ gallon of Cleaning Solution down the drip pan's drain to help prevent drain clogs and odor. Note: if not equipped with a drain, remove drip tray and rinse with potable water.
7. Wipe the outside of the Spire down with a clean cloth soaked in the Cleaning Solution. **(Do not use Cleaning Solution or any other chlorinated or corrosive cleaning product on the dispensing Spire's display panel. Only use lens cleaner or properly diluted non-chlorinated, mild detergent solution to clean the display panel).**
8. Reinstall the nozzle onto the diffuser.
9. Reinstall the cup rest and drip tray.
10. Plug the dispenser in and move the power switch to the on position.
11. Dispense a beverage to confirm the Spire is operating properly.

