



A A L B E R T S D I S P E N S E T E C H N O L O G I E S

BRIXING

Step by step image instruction on how to brix a Schroeder America Bar Gun.

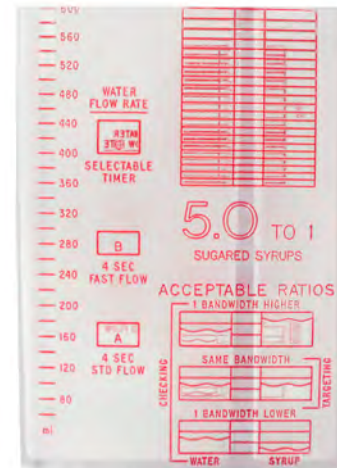
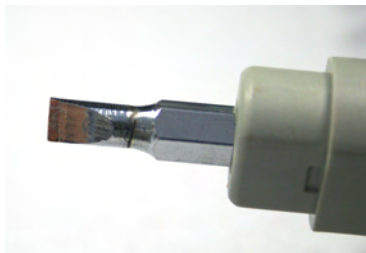
Presentation For
Field Technicians



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BEFORE STARTING

- If product is to be chilled
 - Ensure product is chilled before ratio/brixing the system
 - Purge product and water through bar dispenser to ensure proper product temperature
- What you need
 - Flat head screw driver
 - Schroeder America Bar Gun Syrup Separator (PN: 316-0004)
 - Brixing cup
 - Timer/watch with a second hand



ADJUSTING WATER FLOW RATE

- Note: The Schroeder America Bar Dispenser is designed to flow 1.25 oz./sec. or 6.25 oz./5 sec. This is the proper setting for 5:1 ratio
- Depress plain water button or carbonated water (SODA) button on bar handle and capture in graduated cylinder (ratio/brix cup) while timing the dispense
 - Divide the volume of water by the time, this will equal the flow rate

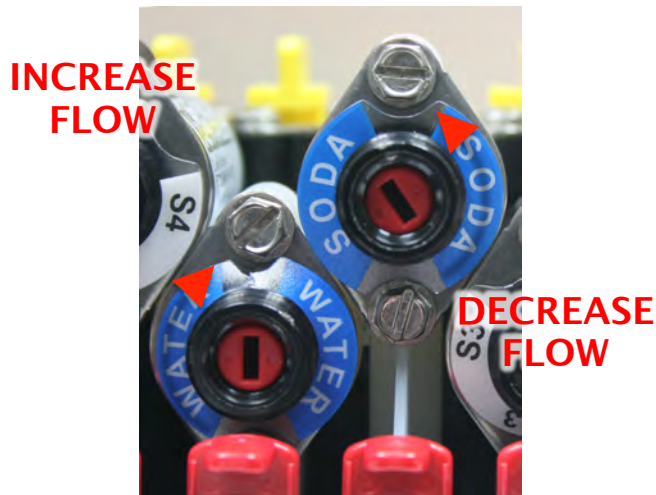


$\frac{\text{flow rate}}{\text{time}} = \frac{\text{volume}}{\text{time}}$
 $\frac{1.25 \text{ oz./sec.}}{5 \text{ sec.}} = \frac{6.25 \text{ oz.}}{5 \text{ sec.}}$

ADJUSTING FLOW CONTROL WATER/SODA FLOW RATE (CONT.)

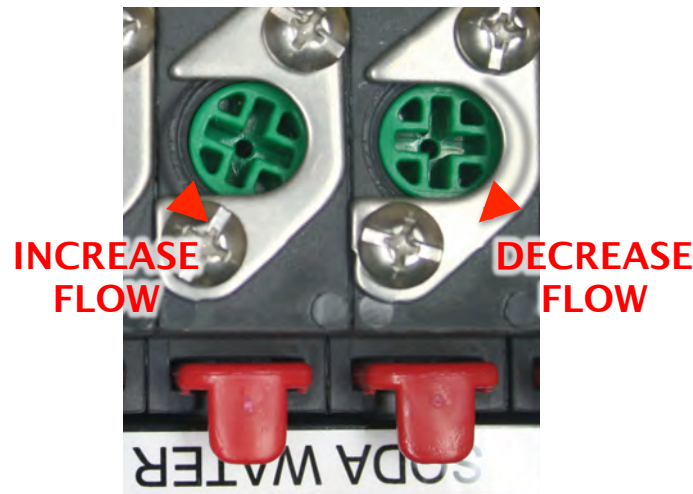


- If a Flow Control water/soda flow rate requires adjustment
 - First remove the protective red cap from the bonnet on the flow control assembly labeled “WATER”/“SODA”
 - Use a flat head screw driver to turn the Red adjustment/metering screw clockwise to increase flow, counterclockwise to decrease flow
 - **Ensure to replace the protective red cap over the “WATER”/“SODA” valve when complete**
- Re-measure the flow rate
 - Repeat steps till flow rate is correct



ADJUSTING MECHANICAL WATER/SODA FLOW RATE (CONT.)

- If a Mechanical water/soda flow rate requires adjustment
 - Use a flat head screw driver to turn the Green adjustment/metering screw counterclockwise to increase flow, clockwise to decrease flow
- Re-measure the flow rate
 - Repeat steps till flow rate is correct



ADJUSTING WATER FLOW RATE (CONT.)

- The Schroeder America Bar Dispenser is equipped with a secondary water ratio screw that is located on the bottom of the bar dispenser handle near the nozzle (Fig. 2.3). This may be used to slow the flow of water to maintain proper ratio for products with ratios 1:1 or 2:1 or any high-viscosity product. The screw comes from the factory in the open position and should be used only in the conditions noted. This screw only controls water flow to the products associated with the bottom right hand butterfly plate.



• **RATIO SCREW**

ADJUSTING SYRUPS

- Measuring syrup ratio
 - Remove the bar gun nozzle by twisting it in the direction indicated by the sticker on the side of the handle in the image above
 - After twisting, pull the nozzle down off the handle
 - Place the bar gun syrup separator nozzle on by aligning it onto the handle and twisting it into the secured position



ADJUSTING SYRUPS (CONT.)

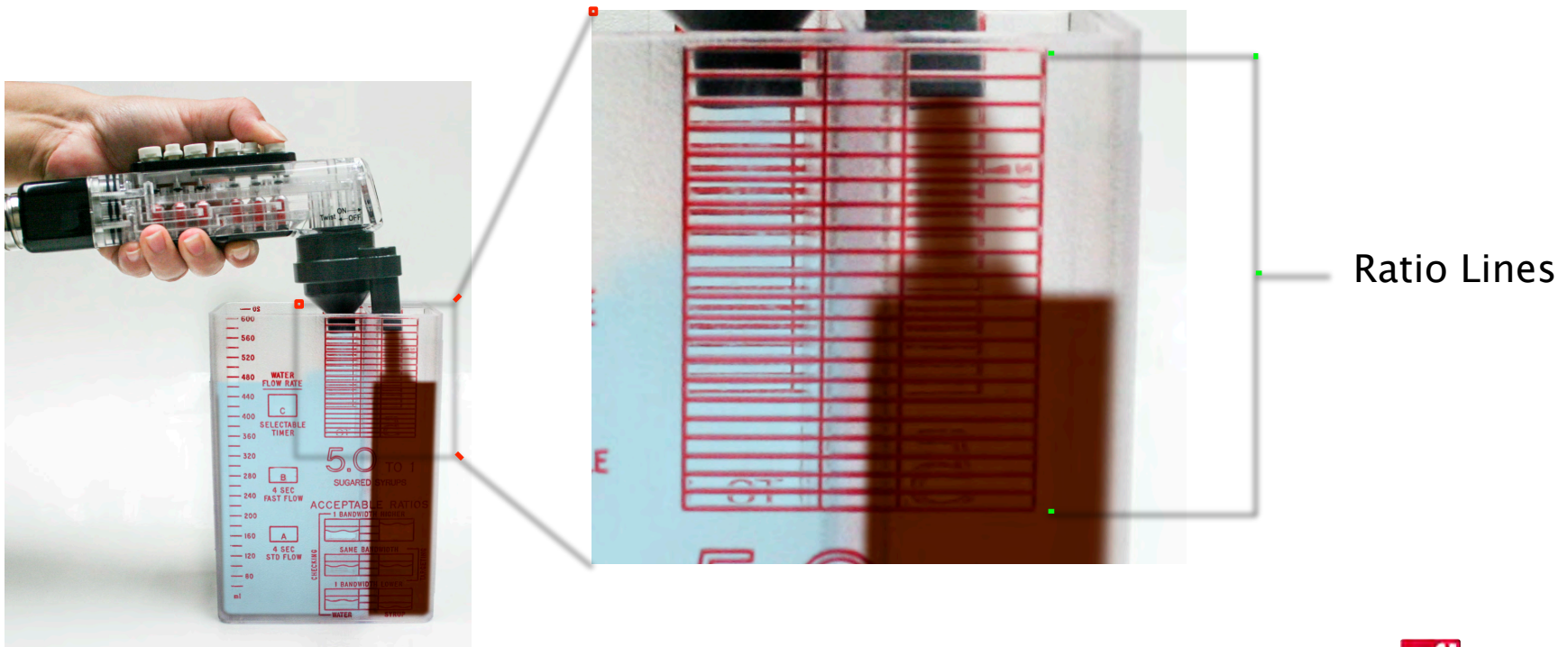


- Place the bar gun syrup separator nozzle (PN: 316-0004) on by aligning it onto the handle and twisting it into the secured position as shown



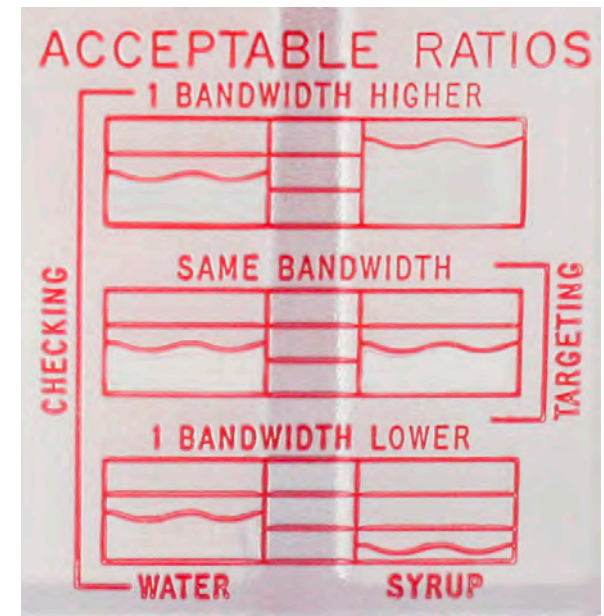
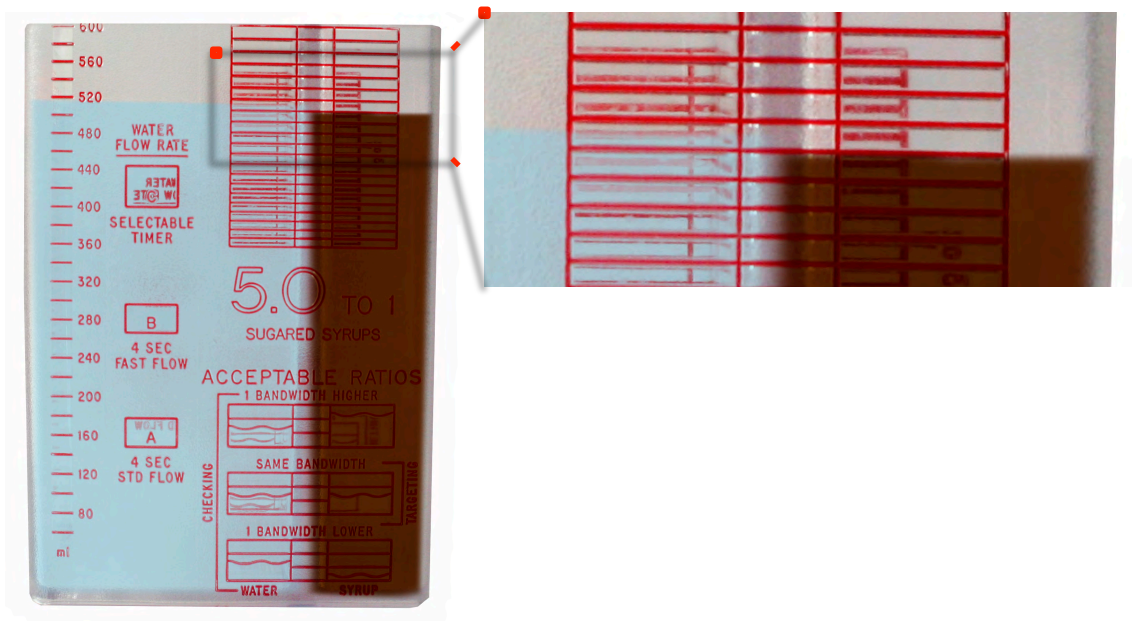
ADJUSTING SYRUPS (CONT.)

- Once the syrup separator is in place, hold the bar gun over the mixing cup with the center nozzle over the larger receptacle and the side nozzle over the correct ratio receptacle
- Hold down the product button and dispense till product or water reaches the ratio lines



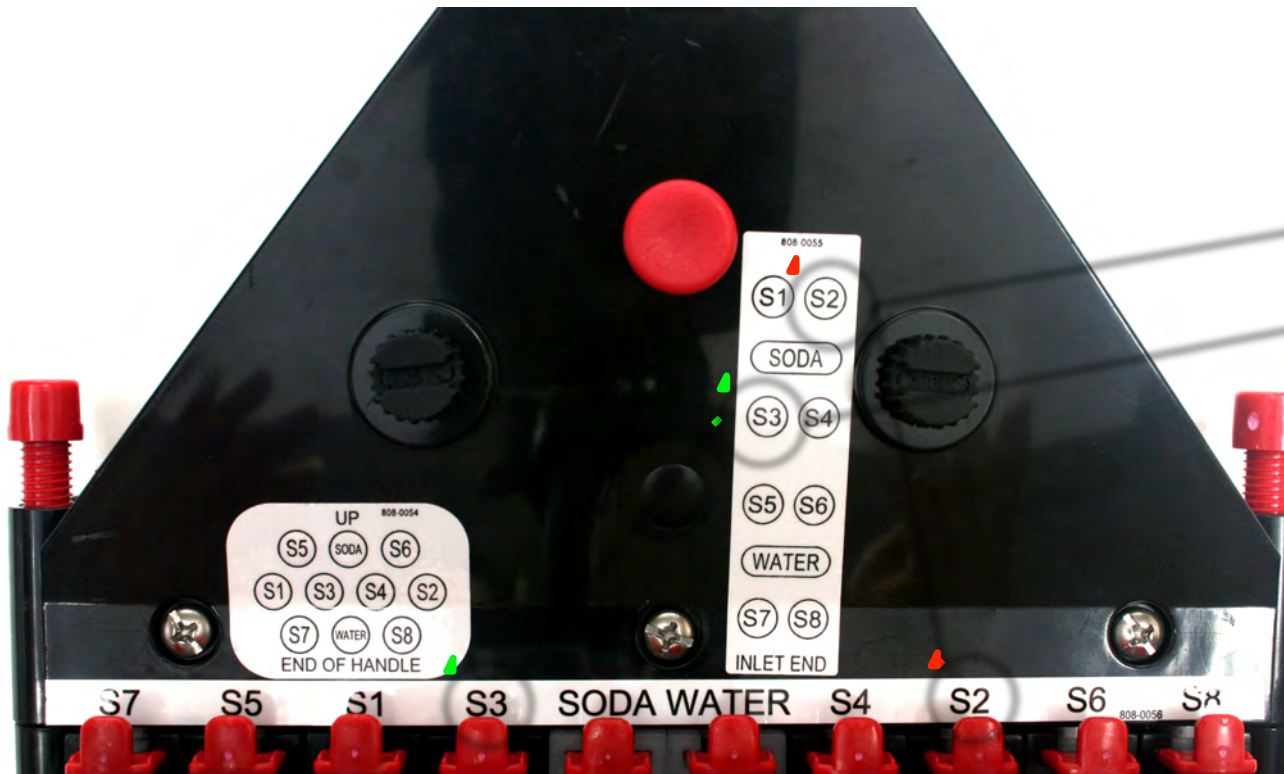
ADJUSTING SYRUPS (CONT.)

- The brixing cup indicates what are acceptable ratios
 - In this instance, the levels of the product and water would be within 1 bandwidth of each other
- When the ratio is not acceptable, adjustments must be made

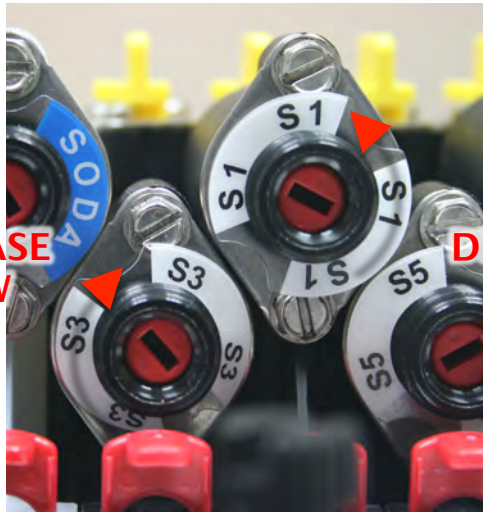


ADJUSTING SYRUPS (CONT.)

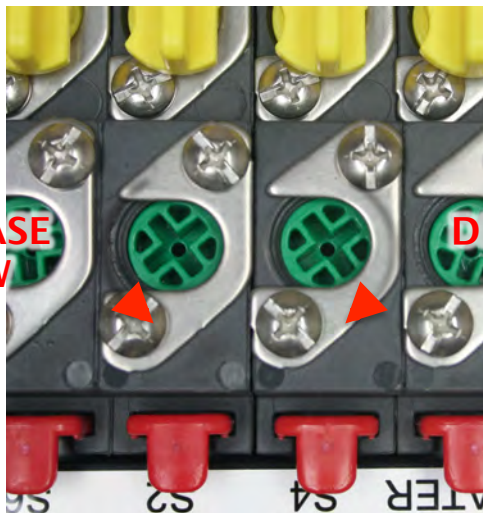
- Ensure you adjust the correct syrup valve by following the button layout labels on the bar gun manifold



ADJUSTING SYRUPS (CONT.)



- To adjust the product on a flow control bar gun
 - Use a flat head screw driver to turn the adjustment screw inside the indicated product valve assembly
 - Turn clockwise to increase flow and counterclockwise to decrease flow
 - **Ensure to replace the red retainer cap when adjustment is complete**



- To adjust the product on a mechanical bar gun
 - Use a flat head screw driver to turn the adjustment screw inside the indicated product valve assembly
 - Turn counterclockwise to increase flow and clockwise to decrease flow
- Re-measure the ratio
 - Repeat steps till ratio is correct