

CHECKING THE RATIO

1 Install the separator. Remove the nozzle from the valve by turning it to the left and pulling down. Remove the diffuser, by pulling straight down. Line up the tabs on the separator with the valve, then push up and twist right.

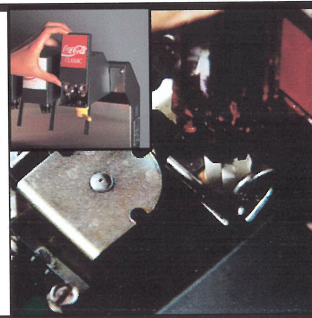


2 Fill the separator. Tap the valve lever or flow button quickly to fill the separator with syrup and water. This procedure expels trapped air in separator.

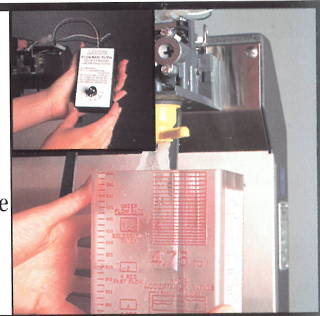


ADJUSTING THE RATIO

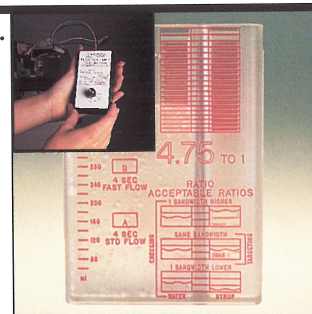
1 Remove the valve cover. Slide the front cover up and off. Loosen cover screw between the flow controls and pull base cover off. Stop syrup flow by locating the syrup-shut off and turning it right as far as it will go.



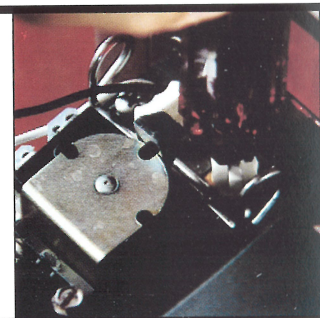
2 Check the water flow rate. Using a stopwatch, let water flow into the ratio cup for exactly 4 seconds or the duration from a selectable timer. Tap the ratio cup three times to release CO₂ bubbles in water. Place it on a LEVEL surface and read immediately. The flow rate is in spec if the water is within window B for fast flow, (4 sec. timer) and C for selectable timer.



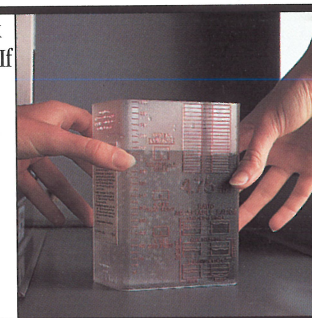
5 When water flow is not correct...
The adjustment is complete when water flow for 4 seconds is correct on two tests in a row. If the valve will not adjust, call 1-800-241-COKE for service.



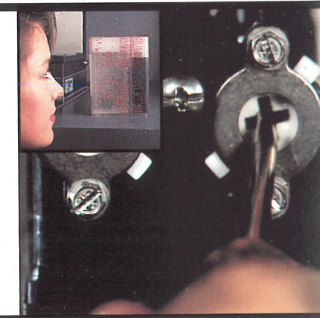
6 Start syrup flow. Turn syrup shut-off to the RIGHT as far as it will go to start syrup flow. Tap valve lever or flow button to fill the separator with syrup and water. This will expel trapped air in separator.



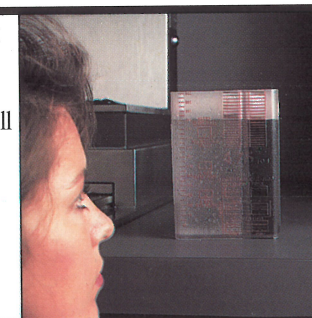
9 Recheck syrup and water. Check water-to-syrup ratio one more time. If both readings are correct, *Go to Step #14.*



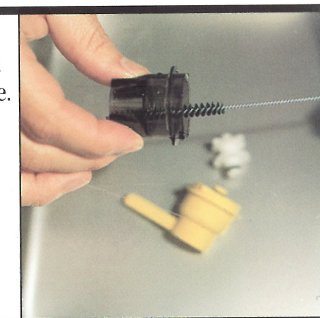
10 If syrup is BELOW the water level... Turn the syrup flow control screw to the right to increase syrup flow. Use no more than 1/4 turn each time so flow does not increase too rapidly, then retest.



13 Recheck syrup and water. Check water-to-syrup ratio one more time. If both readings are correct, *Go to Step #14.* If not, *Go to Step #10.* If the valve will not adjust, call 1-800-241-COKE for service.



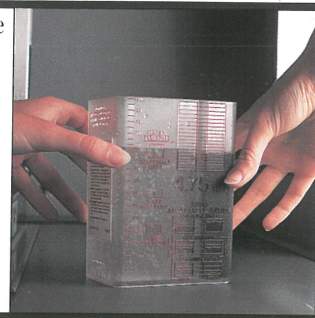
14 Reinstall nozzle assembly. Remove and clean separator. Clean nozzle and diffuser and reinstall it on valve.



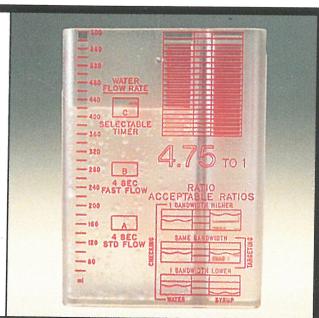
3 Draw a sample. Use the correct side of the ratio cup for products being tested (sugared syrup or sugar-free / Mr. Pibb). Place ratio cup under nozzle, lining up water side of ratio cup with water side of separator, and syrup side of ratio cup with syrup side of separator. Draw a sample filling the water side of the ratio cup 3/4 full of water. Allow flow to stop before removing ratio cup from underneath valve.



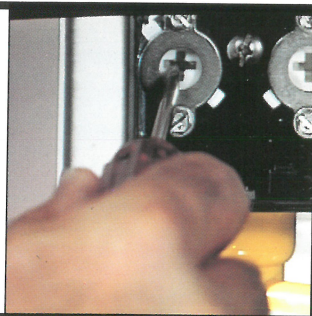
4 Read the ratio cup levels. Tap the ratio cup three times to release air bubbles in syrup and CO2 bubbles in water. Place it on a LEVEL surface and read immediately. If the levels are equal or within one line above or below each other, the ratio is within the correct range (*Go to Step #14*). If the levels are out of the correct range, the ratio needs to be adjusted (*Go to Next Section*). RINSE and DRY the ratio cup after each test.



3 Recheck water flow. If the water flow reading is correct, check one more time. If both readings are correct, *Go to Step #6*.



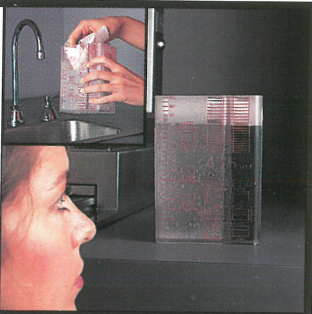
4 If water flow is not correct... Adjust the water flow control screw. Turn it right to increase, left to decrease the flow. Use no more than 1/4 turn each time, so flow does not increase/decrease too rapidly, then retest.



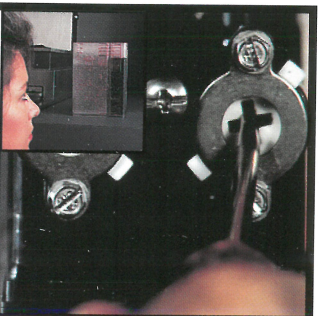
7 Measure syrup and water. Use the correct side of the ratio cup for products being tested (sugared syrup or sugar-free / Mr. Pibb). Place ratio cup under nozzle, lining up water side of ratio cup with water side of separator, and syrup side of ratio cup with syrup side of separator. Draw a sample filling the water side of the ratio cup 3/4 full of water. Allow flow to stop before removing the ratio cup from underneath the valve.



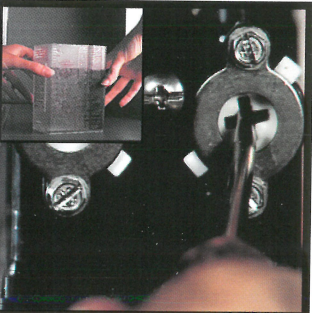
8 Read the ratio cup levels. Tap the ratio cup three times to release air bubbles in syrup and CO2 bubbles in water. Place it on a LEVEL surface and read immediately. If the levels are equal or are within the same band width, the ratio is correct. RINSE and DRY the ratio cup after each test.



11 If the syrup is ABOVE the water level... Turn the syrup flow control screw to the left to decrease syrup flow. Use no more than 1/4 turn each time so flow does not decrease too rapidly, then retest.



12 Continue until correct. Adjust until water and syrup levels are equal, or are within the same band width.



15 Return the valve to normal operation. Reinstall cover assembly and begin serving quality soft drinks!

