Agitation System Check
DELTA/DELTAI, A2000/A2000I

Service Procedure **031**
Revised: 10-26-23 AES

This procedure is used for checking the function of the agitator motor and the stroke of the agitation system.

Note: The agitation system should be checked every three to six months or if fiber values are higher than normal or inconsistent.

1. Check the function of the agitator motor.

a. Place a bag suspender with all 9 trays in the vessel along with the bag suspender weight, but add NO water.

b. Turn the instrument's Power Switch to the ON position. The Display will light.

c. Press the DOWN arrow button on the Keypad until you see "Select Diag." on the Display and press Enter.

d. Press the DOWN arrow until "Q5 Agitator (off)" is displayed. Press ENTER on the Keypad to turn the agitator on.

e. Verify that the bag suspender moves up 16 times in 15 seconds (65 rpm).

f. Press ENTER on the Keypad to turn the agitator off.

2. Mark the agitator stroke.

a. Leaving the bag suspender in the vessel, remove the bag suspender weight.

b. Remove the top from a dark felt tip marker and lay the marker horizontally on the top of the bag suspender so that the tip touches the inside wall of the vessel.

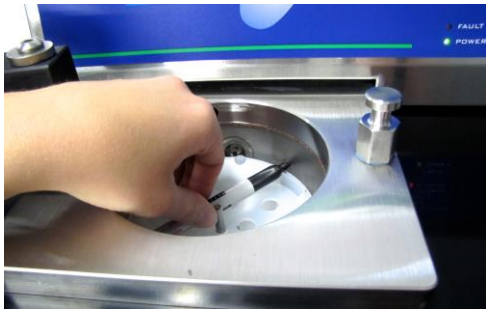
c. With constant, light, downward pressure on the marker, hold the pen in place so that it rides the top tray up and down once the agitation has begun.

d. Press the DOWN arrow button on the Keypad until you see "Select Diag." on the Display and press Enter.

e. Press the DOWN arrow until "Q5 Agitator (off)" is displayed. Press ENTER on the Keypad to turn the agitator on.

f. Allow the bag suspender (& pen) to move up and down three or four times as the pen marks the vessel wall.

g. Press ENTER on the Keypad to stop the agitation.

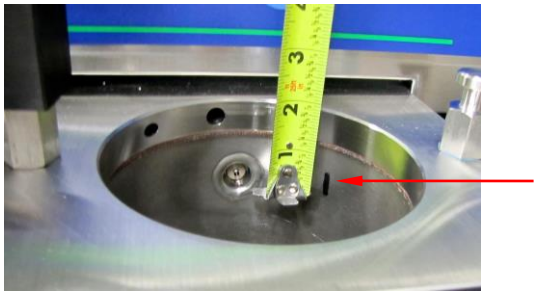


3. Measure the agitator stroke.

a. Turn off the power switch.

b. Remove the pen and the bag suspender from the vessel.

c. Measure the mark on the vessel wall. It should be 1⁄2 inch in length.



4. Replace a worn Kynar Tip (if necessary).

If the motion is less than 1⁄2 inch, you will need to replace either the Bag Suspender Tip (Kynar Tip w/ washer Assembly - part # 11.5) or the agitator (Agitator Assembly - part # 8.9) because the old disc has flattened.