



# DWS-1 Feeder System

## Mixing Instructions for 15 Gallon Solution Vat

### SODA ASH INJECTION / pH CONTROL

Although the DWS-1 Feeder System is extremely reliable, periodic preventative maintenance will be required to ensure years of trouble-free operation. While Delmarva Water Solutions will contact you every 12 months to schedule a roller-tube and duckbill replacement, you will have to fill the solution vat on an as-needed basis. The frequency which you will have to fill the vat will depend on how much water you use. When the vat is close to empty (less than 2 inches of remaining solution), please follow the steps below to refill. Do not worry if the vat runs completely out as this will cause NO damage to the system and the pump will self-prime (you chose the best!).

#### INSTRUCTIONS:

1. Remove child-proof lid from solution vat (instructions are on the lid)
2. Raise weighted foot valve to the top of the vat. This can be done by pulling the clear suction tubing through the hole where it enters the top of the vat.
3. Add (18) cups of SODA ASH (sodium carbonate) to the vat (6 cups per 5 gallons of water).
4. Fill vat rest of way to the top with water using hose provided **while mixing thoroughly.**
5. Lower weighted foot valve to the bottom of the vat. This can be done by pushing the clear suction tubing back through the hole where it enters the top of the vat.
6. Replace child-proof lid on solution vat.

#### NOTES:

- If vat had run dry before filling, allow a day of normal usage for solution to be fully re-introduced into the system and treatment to be fully effective.
- (18) cups of SODA ASH referenced in step #3 above is a guideline for most systems. If mixture is different (dependent on the raw water pH), a string-tag will be prominently displayed with specific mix ratio.
- Fine tuning of pH may be accomplished by first pushing & holding the mode & % key on the pump until the keypad unlocks. Then, push & hold % while pushing the up or down arrow which will change the % value in the pump's display window. Pushing the up arrow will increase pH. Pushing the down arrow will lower pH. Once adjustment is complete, release the % key.
- Measuring cup that comes with the system holds 2 cups.