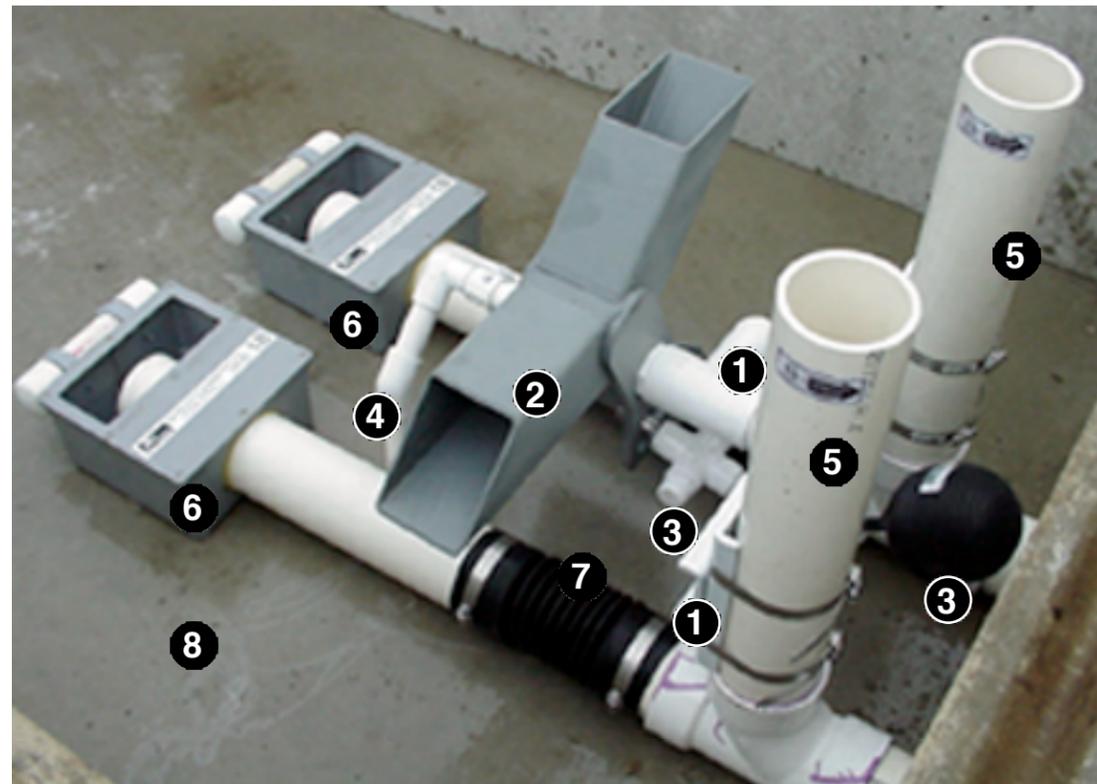


## Instructions for assembling and installing a FLOUT® ALTERNATOR

### 1. Installation Overview. Become familiar with a complete installation.



Items 1-4 are parts of the ALTERNATOR device  
Items 5-8 are parts of the FLOUT® devices

- |   |  |
|---|--|
| 1. Alternator support assembly and clamps | 5. Discharge vent assemblies               |
| 2. Transfer bucket                        | 6. FLOUT® assemblies                       |
| 3. Control Arm with Float                 | 7. Flexible Connectors and clamps          |
| 4. Anti-collision bar ("Driftbar")        | 8. Interior of dosing distribution chamber |

### 2. These are the individual parts and assemblies included for one ALTERNATOR system. Check to confirm that all parts are included.



(1) Support Assembly



(1) Transfer Bucket



(1) Control Arm



(1) Driftbar  
(1) Driftbar mount  
(1) Set Screw



(1) Long Nipple  
(1) Short Nipple  
(1) Threaded Cap  
(4) Clamps

### 3. Check all parts for any shipping damage. Pay close attention to the following items:

1. Check for any damage to the TRANSFER BUCKET. It must not leak. If in doubt, fill with water and check for leaks.
2. Check for any damage to the plastic FIN on the bottom of the TRANSFER BUCKET.
3. Check that the LONG NIPPLE rotates freely in the hole through the TRANSFER BUCKET.
4. Check that the SHORT NIPPLE rotates freely in the hole through the CONTROL ARM.
5. Check the FLOAT for any damage. It must float.



4. Screw the LONG NIPPLE into the face of the SUPPORT ASSEMBLY hand tight.



5. Slip the TRANSFER BUCKET onto the NIPPLE with the SLOT facing the SUPPORT ASSEMBLY.



6. Screw the DRIFTBAR MOUNT onto the end of the LONG NIPPLE hand tight.



7. Tighten the DRIFTBAR MOUNT and LONG NIPPLE with a suitable wrench to a point where the TRANSFER BUCKET has very little play back and forth on the LONG NIPPLE but still can rotate freely all the way around. **IT IS VERY IMPORTANT THAT THE TRANSFER BUCKET ROTATES FREELY ON THE LONG NIPPLE!**

8.



Position the SUPPORT ASSEMBLY so that the arm extending from the side of it faces down. Push the DRIFT BAR onto the DRIFTBAR MOUNT. Rotate back and forth until it slides all the way on. Avoid rotating the DRIFTBAR MOUNT itself. Position the legs of the DRIFTBAR and the bottom channels of the SUPPORT ASSEMBLY so they sit evenly on a flat surface. Check again for free rotation of the TRANSFER BUCKET.

9.



Drive the SET SCREW into the hole in the top of the DRIFTBAR.

10.



Screw the CAP onto the end of the SHORT NIPPLE hand tight.

11.



Turn the entire assembly over. Position the CONTROL ARM as shown, with the metal end inserted into the SLOT on the TRANSFER BUCKET. The FLOAT must be pointing down.

12.



Insert the SHORT NIPPLE with CAP through the CONTROL ARM and screw it into the hole at the end of the arm on the side of the SUPPORT ASSEMBLY hand tight.

13.



Tighten the CAP and SHORT NIPPLE with a suitable wrench to a point where the CONTROL ARM has very little play back and forth on the SHORT NIPPLE but can still rotate freely up and down through the SLOT in the TRANSFER BUCKET. **IT IS VERY IMPORTANT THAT THE CONTROL ARM MOVES FREELY THROUGH ALL POINTS OF THE TRANSFER BUCKET SLOT!** Turn the entire assembly over now. Check the CONTROL ARM movement again. With the TRANSFER BUCKET positioned fully to one side or the other, the CONTROL ARM must fall freely by gravity to its lowest position.



**The ALTERNATOR Assembly is now complete and ready to install in the Dosing/Distribution Chamber**

14.



Prepare a Dosing/Distribution Chamber with two VENT ASSEMBLIES placed 12 inches on center and plumb with the chamber floor. The VENT LENGTH is the same as with non-alternating FLOUT® units of the same drawdown. RISSY normally provides VENT ASSEMBLIES with a 4 inch long stub in and a 4" long stub out. The fitting is a standard DWV, Sch. 40 PVC "T-Y" (NIBCO preferred). **The "sweep" of the T-Y always bends toward the wall.** With 4" stubs, the FLOUT® units will trigger properly and the CONTROL FLOAT will clear the wall. The FLOUT® units supplied with an ALTERNATOR are sized and weighed to achieve proper drawdown. Normal alternating drawdowns are 15" through 36". For higher drawdowns consult RISSY.

15.



The ALTERNATOR clamps to the VENT ASSEMBLIES with 4 #72 Stainless Steel CLAMPS. The bottoms of the channels of the SUPPORT ASSEMBLY rest upon the tops of the T-Y fittings as shown. The ALTERNATOR is now complete. Install the FLOUT® units to complete the entire installation.



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