



BioStim BioPlug® L & BioPlug® CS Lift Station Instructions



1. To install *BioFloater*.

- a. Wear protective gloves & follow normal lift station safety procedures.
- b. Remove *BioPlug(s)* from packaging.
- c. Attach mesh bag(s) containing *BioPlug(s)* to "D-ring" on the *BioFloater*.
- d. Try to place *BioFloater* close to incoming water (inflow) for better circulation.
- e. Lower weight (including float & bag) until it reaches the bottom of well.
- f. Raise weight approximately one foot from the bottom of the well to allow rope to remain tight so float can raise/lower with water level.
- g. Tie rope to ladder or something stable so tech can pull it up for subsequent service.

Dosage: On installation, use two *BioPlug CS* or two *BioPlug L* per inch grease accumulation. On subsequent monthly service treatments, use one *BioPlug CS* or one *BioPlug L* per inch of grease accumulation noted at time of installation (ie: Double dose on installation).

2. Two Week Follow-up Visit: To verify you are using the correct type of *BioPlug*, return to the lift-stations two weeks after installation for a follow-up visit. After the follow-up visit, continue to follow the *Monthly Service* steps.

- a. Wear protective gloves & follow normal lift station safety procedures.
- b. If you are utilizing *BioPlug CS* and it is completely dissolved after two weeks you will need to switch to *BioPlug L* to adjust for high flow. If the *BioPlug CS* is not half way dissolved after two weeks, it will need to be broken into quarters on future monthly service visits to adjust for low flow.
- c. If you are using the *BioPlug L* and it is not half way dissolved after two weeks, you will need to switch to the *BioPlug CS* to adjust for low flow.

3. Monthly Service

- a. Wear protective gloves & follow normal lift station safety procedures.
- b. Pull up *BioFloater*.
- c. Observe:
 - 1) If debris is noticed on the rope between the weight and float, remove debris and raise applicator approximately the same length as debris area. This adjustment will reduce the overall amount of debris that accumulates around the applicator rope.
 - 2) If a grease "ring" or "shelf" is present during placement of *Bio-Plug(s)*, it is recommended to have the operator raise the *high level flow* so that the bacteria can attack the grease shelf from the top, bottom, and sides.
 - 3) First noticeable results will be the reduction of the grease layer that "blankets" the water in the wet well. Over time, the bacteria will soften the grease rings around the wall and floats then eventually fall off in "onion like" layers.

Lift Station Diagram

Key: (A-D is the *BioFloater*)

- A. Nylon Rope
- B. Float
- C. *BioPlug(s)* in mesh bag(s)
- D. Weight
- E. Guide Rail Support Bracket
- F. Lift Station Motor
- G. Guide Rail

