

## E-Z Treat Installation Guidelines

E-Z Treat Company or its representative will conduct on-site training with each installer before they are certified to install E-Z Treat systems. The training will include instruction on proper site prep, locating Pod/Unit, equipment handling, excavation, pod placement, piping, wiring and start up of the E-Z Treat system. Annual classroom training will be a requirement for contractors to maintain their certification. As a condition of E-Z Treat certification, contractors must have proper state and local licenses and insurances. E-Z Treat distributors will only sell or authorize installations by E-Z Treat certified contractors.

The E-Z Treatment pod will ship pre-assembled, requiring only field piping of the Pod/Unit supply line and discharge line, installing the re-circulation pump, four inch float by-pass valve and the re-circulation control. When installing the E-Z Treat system the order of components installation is not critical and each segment can be installed independently.

### **Pre Construction Meeting:**

A pre construction meeting is recommended before any construction commences. This meeting is an opportunity for the owner, builder, engineer/designer, local regulatory agencies, service provider and installer to clarify property lines, building location, system location, power sources, drainage areas, final site grading and answer general questions.

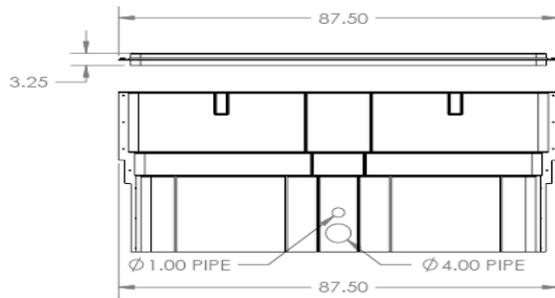
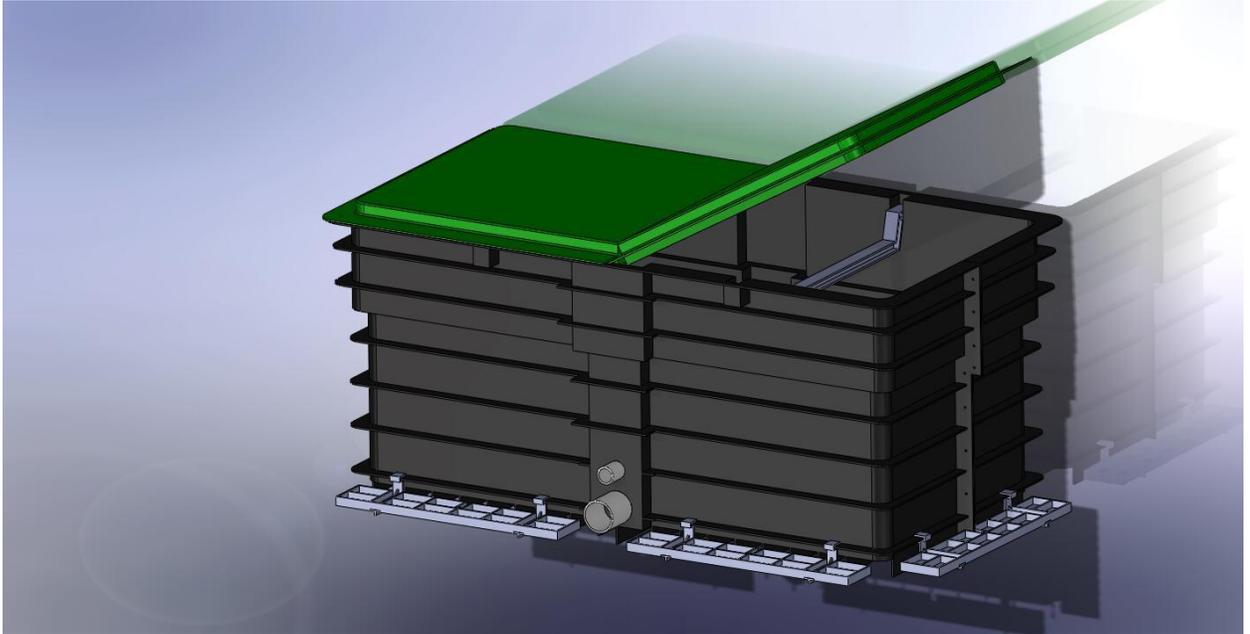
### **Off Loading Treatment System:**

The E-Z Treat re-circulation filter Pod/Unit is injection molded polyethylene weighing about 300 lb. Because of the relative light weight and toughness of the material special handling is not necessary, two men can easily unload the Pod/Unit. If machinery is use to off load the Pod or transport to the excavated hole nylon straps, chains or cables used to lift the Pod should be in good condition and rated for at least 1000 lb. The re-circulation pump and control will be shipped in factory sealed cardboard box, these items are not fragile but should be handled with reasonable care not dropped or thrown.

### **The standard E-Z Treat Model #600 Package Includes:**

1. Treatment Unit Pod
2. STEP- 20 ½ Hp Re-Circulation Pump
3. Float By-Pass Valve/ Splitter Box
4. Re-Circulation Pump Control
5. Septic Tank Effluent Filter (Supplied by Others)

# 1. The E-Z Treat Pod



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 DRAWING IS THE SOLE PROPERTY OF  
 E-Z TREAT INC. ANY  
 REPRODUCTION IN PART OR AS A WHOLE  
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES		DRAWN	
		TOLERANCES:		CHECKED	
		FRACTIONALS $\pm$		ENG APPR:	
		ANGULAR MATCHES BEND $\pm$		MFG APPR:	
		TWO PLACE DECIMAL $\pm$		Q.A.	
		THREE PLACE DECIMAL $\pm$		COMMENTS:	
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			
<b>MODEL - 600</b>					REV
SIZE <b>A</b>	DWG. NO. E-Z TREAT MODEL- 600 ASSEMBLY				
SCALE: 1:24 WEIGHT:				SHEET 1 OF 1	

## 2.STEP-20 Re-Circulation Pump

### PUMP PERFORMANCE - 20 GPM

#### SPECIFICATIONS

**Shell** – Stainless steel

**Discharge** –  
10, 20 and 30 GPM models:  
fiberglass-reinforced thermoplastic;  
50 GPM models: stainless steel

**Discharge Bearing** – Nylatron®

**Impellers** – Delrin®

**Diffusers** – Polycarbonate

**Suction Caps** – Polycarbonate with  
stainless steel wear ring

**Thrust Pads** – Proprietary spec.

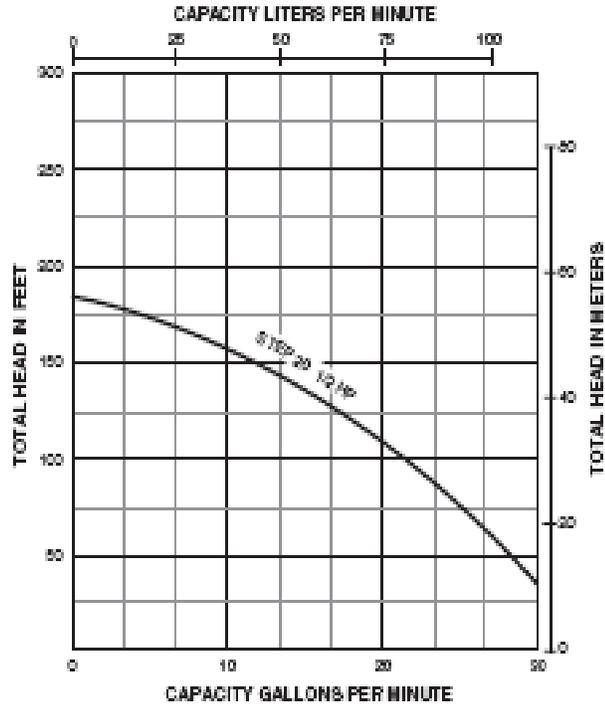
**Shaft and coupling** – Stainless steel  
300 grade

**Intake** – Fiberglass-reinforced  
thermoplastic

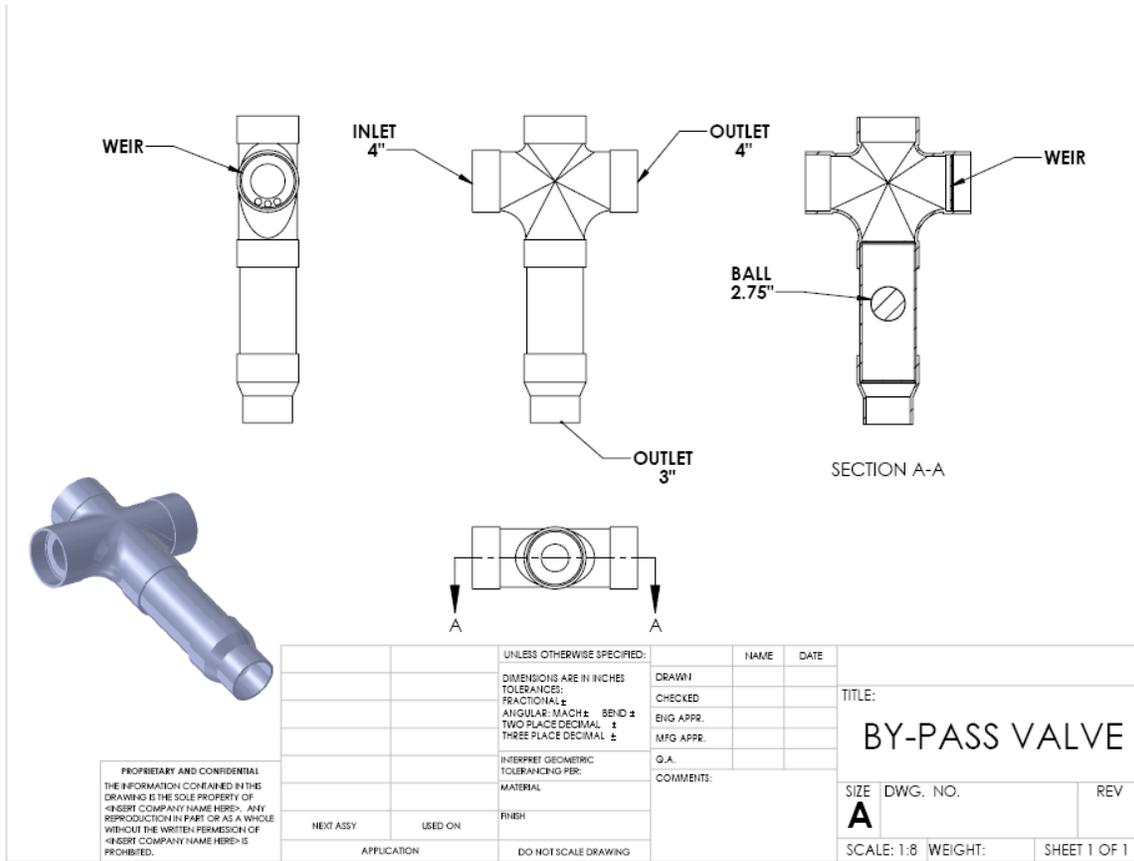
**Intake Screen** – Polypropylene

**Jacketed Cord** – 300 Volt "SOOW"  
jacketed 10' leads (2-wire with  
ground); optional 20', 30', 50' and  
100' lengths available

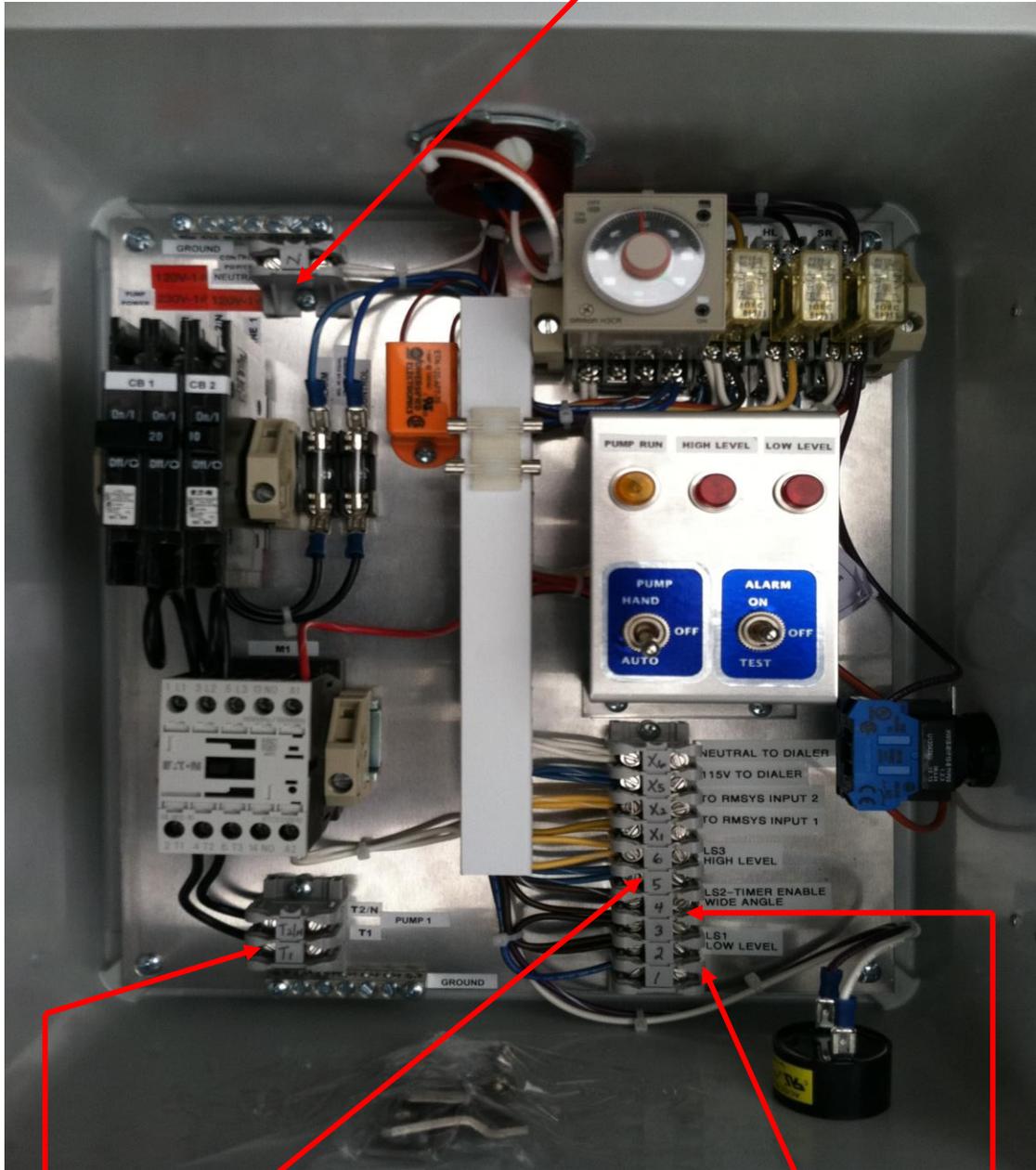
Delrin® is a registered trademark of  
E.I. DuPont de Nemours and Co.  
Nylatron® is a registered trademark  
of Polymer Corp. STEP Plus® is a  
registered trademark of Pentair Water.  
In order to provide the best products  
possible, specifications are subject to  
change.



## 2. E-Z Treat Float Ball By-Pass Valve



**3. E-Z Treat Re-Circulation Pump Control Mod# EZ SR-12**  
 Line Voltage Power (115 v or 230v)  
 Terminals CB1 – CB2 – Netrual – Ground



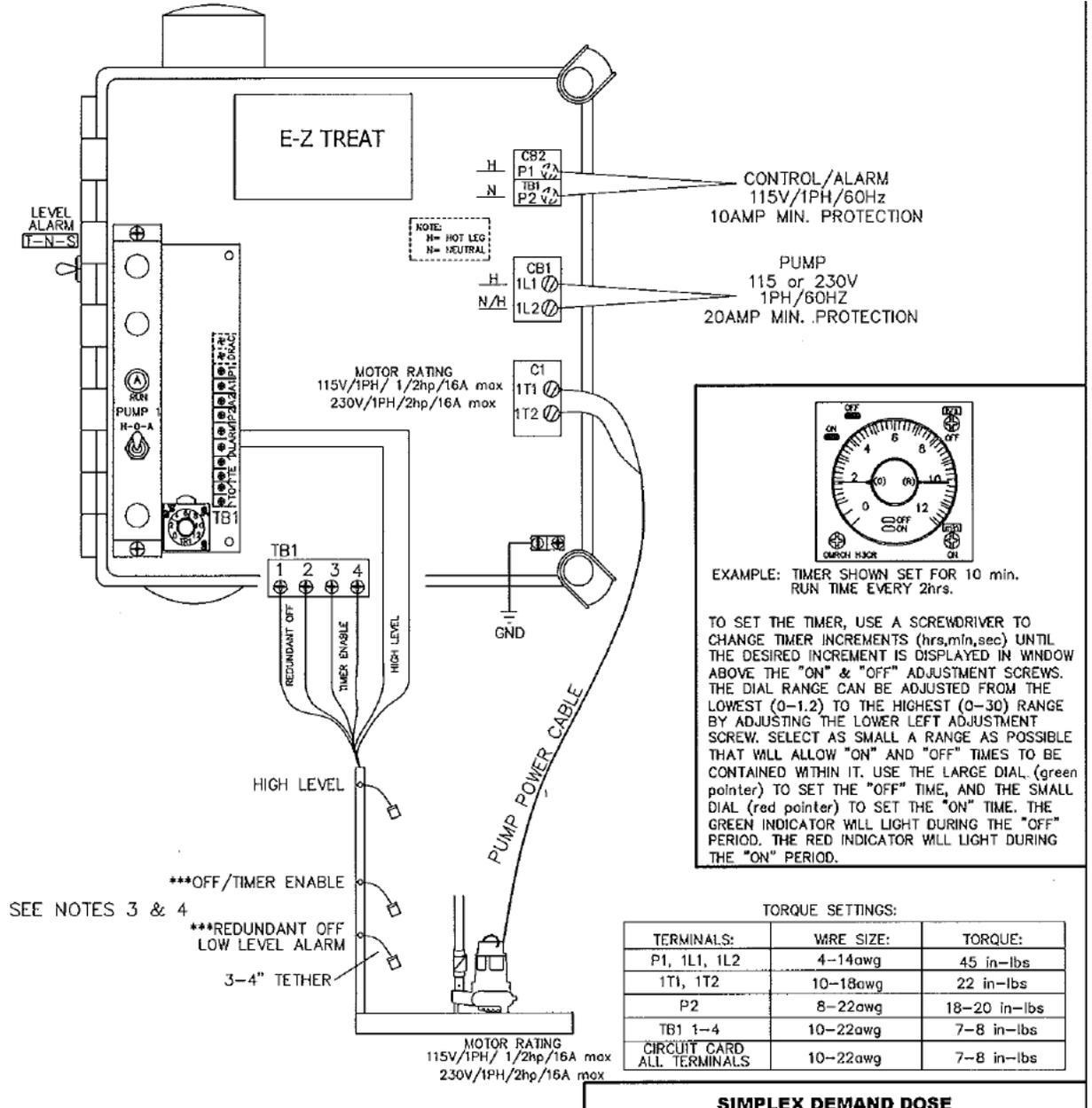
High Level Alarm (Top Float) Connects to Terminals #5 and 6

Wide Angle Pump “ON” & “OFF” Timer Activation (Middle Float) Terminals #3 and 4

Low level Alarm (Bottom Float) Connects to Terminals #1 and 2

Re-Circulation Pump Power Source Terminals T1 & T2

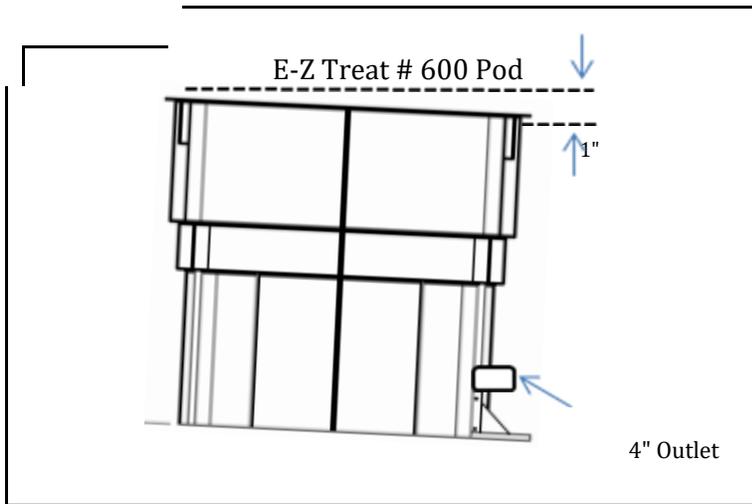
# Re-Circulation Pump Control: Mod.# EZ SR-12



### Excavating and Installing the Pod/Unit:

The first consideration when installing the E-Z Treat Pod/Unit is to assure the Pod is not located in a drainage area and the Pod is located above the seasonal high water table, this will protect the Pod from floating and prevent surface water infiltration.

Excavate a hole approximately 6' x 9' x 4'. Place 4" of #57 stone or equal in the bottom of the excavation forming a level base for the Pod to set, this will prevent settling of the Pod and allow for leveling of the Pod. Backfill the Pod with clean fill dirt, free of rocks and foreign material. Do not compact the fill, allow the soil to settle naturally. Once the Pod is placed in the excavation adjust the Pod to slope 1 inch toward the 4" PVC outlet this assure proper drainage.

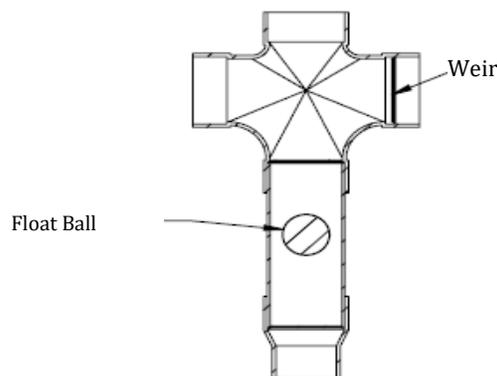


### Piping the E-Z Treat Pod/Unit Supply and Return:

Once the Pod is placed and Leveled connect 4" PVC pipe between the outlet of the Pod and the By-Pass valve located in the recirculation tank. Attach 1" PVC supply line between the 1" inlet on the Pod and the recirculation pump.

### Installing the By-Pass Valve:

The By-Pass Valve is located in the recirculation tank and one side is connected to the 4" PVC drain line coming from the Pod and the other side is connected to the 4" PVC effluent discharge line or into the effluent pump tank.



### **Installing the Re-Circulation Pump:**

Connect the 1" PVC pipe between the Inlet of the Pod and the Re-Circulation pump. Always provide a quick disconnect device for removing the pump, this can be accomplished with a Union, Can-Lock or Pittless adapter. **DO NOT** install a Check Valve in the pump supply line this will prevent the supply line to the Pod spray manifold from draining and may cause freezing. To insure complete drainage of the spray manifold drill an 1/8 inch hole in the PVC pump supply pipe just above the discharge end of the pump.



### **Setting Pump Control Floats: (SEE Page 4)**

The control panel will come with 3 liquid level floats.

1. Low Level Alarm Float protects the pump from Run Dry damage by turning off the pump and sound an Audio Visual Alarm. Set float to activate if the effluent level drops to 4" above the pump intake.

2. Timer Enable Float activates the pump run time and assures the pump only runs when there is sufficient effluent in the re-circulation tank. Set float to activate when effluent level in the recirculation tank is filled to 50%.

3. High Water Alarm Float will sound an Audio Visual Alarm when the effluent in the re-circulation tank is too high. Set float to activate when the effluent level in the in the recirculation tank is level with the top of the By-Pass Valve.

**Float Settings:**

