

E-Z TREAT Synthetic Media Filter

Installation Manual

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 startup 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 recirculation pump, four inch float by-pass valve and the recirculation 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:

Because of the relative light weight and toughness of the pod/unit material, special handling is not necessary and could be offloaded without machinery with proper lifting techniques and adequate personnel. If machinery is used to offload the Pod and/or transport it to the excavated hole then nylon straps, chains or cables used to lift the Pod should be in good condition and rated for at least 1000 lb. The recirculation pump and controls will be shipped in a factory sealed cardboard box, these items are not fragile but should be handled with reasonable care not dropped or thrown. NOTE: Due to transportation company's packaging requirements the units could weigh up to 50 lbs. more than just the weight of the unit.

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

1. Treatment Unit Pod
2. STEP- 20 ½ Hp Recirculation Pump
3. Float By-Pass Valve/ Splitter Box
4. Recirculation Pump Control

The standard E-Z Treat Model #1200 Package Includes:

1. Treatment Unit Pod
2. STEP- 30 ½ Hp Recirculation Pump
3. Float By-Pass Valve/ Splitter Box
4. Recirculation Pump Control

***IMPORTANT – While not supplied, an effluent filter capable of screening out 1/16” solids is required on the outlet of the septic/settling tank.**

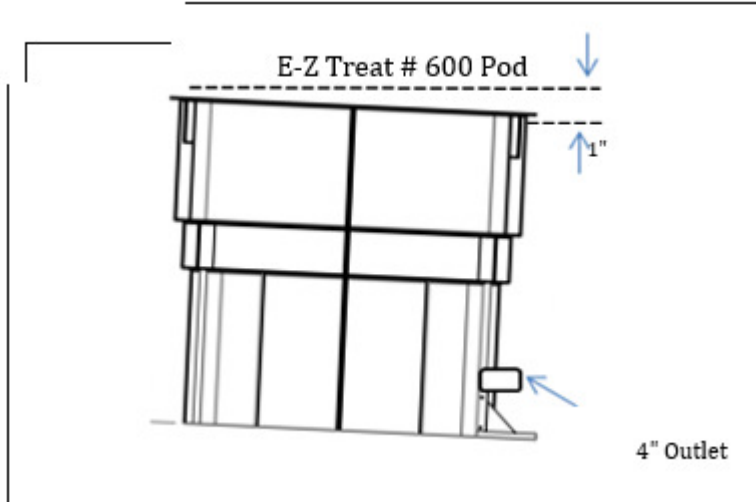
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Excavating and Installing the Pod/Unit:

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. It is always preferred to be above the seasonal high water table and burying the unit by bringing soil in to mound around the unit. If an installation would require setting the unit in a seasonal water table, stabilization must be provided – consult the Manufacturer for guidance.

Excavate a hole approximately 6' x 9' x 4'. Place 4" of #57 stone or equal in the bottom of the excavation forming a firm 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:

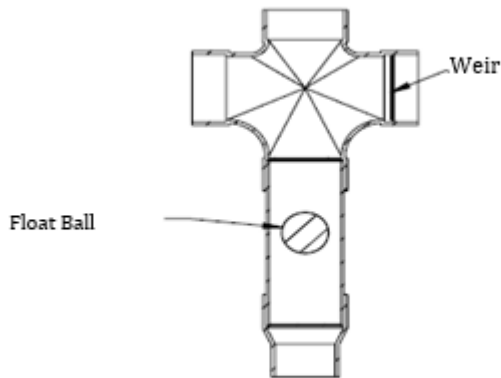
Once the Pod is in place connect 4" PVC pipe between the outlet of the Pod and the By-Pass valve located in the recirculation tank. Attach 1" PVC supply line between the 1" inlet on the Pod and the recirculation pump.

Installing the By-Pass Valve:

The By-Pass Valve is located in the recirculation tank and the side without the weir is connected to the 4" PVC drain line coming from the Pod and the side with the weir is connected to the 4" PVC effluent discharge line or into the effluent pump tank.

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Installing the Recirculation Pump:

Connect the 1" PVC pipe between the Inlet of the Pod and the Recirculation 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:

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 sounding 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 recirculation tank. Set float to activate when effluent level in the recirculation tank is filled to 50%.

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3. High Water Alarm Float will sound an Audio Visual Alarm when the effluent in the recirculation 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:

