



# BERRY HILL IRRIGATION, INC

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Dear Customer:

Many farmers have a very valuable asset on the farm that they take for granted and completely ignore. The common farm pond contains that wonderful treasure ---WATER! When we team this with Drip Irrigation, it's the perfect complement for a great growing season!

Sand Filters are an extremely valuable tool to any grower with access to surface water (pond, river, stream etc.). Growers should recognize that pond water is a valuable asset that should be protected from contamination from livestock or silt filling in.

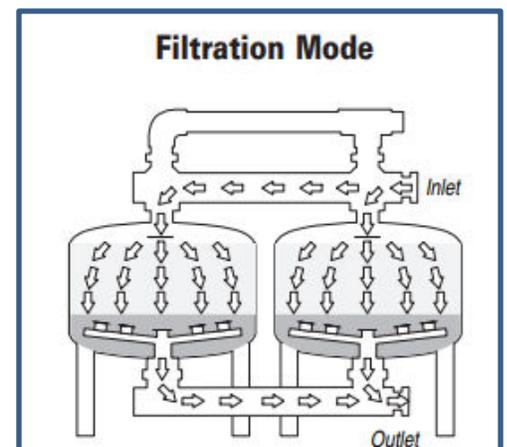
Sand filters, in conjunction with drip irrigation, allow the farmer to provide his crop with regular waterings which are proven to have higher yields than crops depending on rain. This is also a fairly inexpensive way to irrigate.

The filters are simple and have very few moving parts. I have found they work well for many years without requiring any maintenance other than replacing the media every other year.

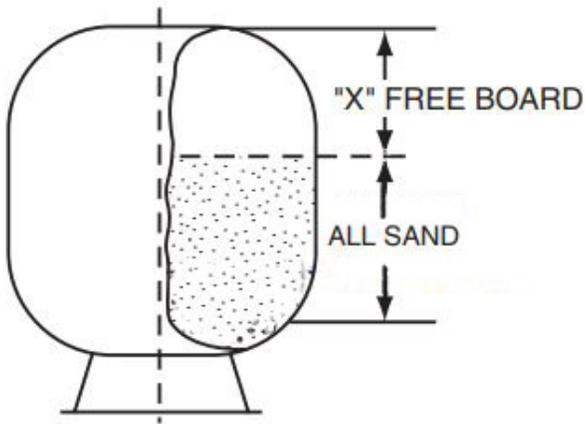
Joe Davidson  
CEO  
Berry Hill Irrigation, Inc.

NOTE: As described by [www.irrigationtutorials.com](http://www.irrigationtutorials.com) :

“The sand that works so well to catch the algae is #20 sharp silica. Do not buy Pool Filter Sand locally. The sand must be #20 in order to filter algae properly and keep your drip lines clean. Media filters are best for removing organic material from the water. This is where the importance of the sharp edged media comes into play. These sharp edges snag the organics which would otherwise slime and slither their way through the small spaces. This is why it is important to use sharp media.”



## INFORMATION ABOUT SAND MEDIA & HOW TO ADD SAND TO YOUR FILTER.



(See TRITON II Manual for complete Filter Instructions.)

- **TIP: We like for the sand to reach the top of the Label on the side of your Filter Tank.**
- Split your bags of sand so that you have equal amounts in each tank. \*\* You will likely have a little extra sand. If so, save it & add it to filters in a year or so after lots of backflushing.

**\* Sand to be No. 20 standard silica (uniformity coefficient not greater than 1.75) .018-.020 in diameter particle size.**

Sand specifications – be certain the proper sand is used as described in Table 2. Before pouring the sand into the filter, look inside and check the lower under-drain for broken or loose laterals (AKA “fingers”), which may have been accidentally damaged by rough handling during shipment.

Pivot the diffuser out of the center of the tank by rotating the diffuser assembly counter clockwise.

After installing the filter media, check to make sure the tops on the diffusers are parallel to the top of the sand bed. Fill the tank about half full of water. Pour the sand into the top of the filter at a slow rate so that the impact of the filter media does not damage the laterals (AKA “Fingers”). Fill filter to the proper level to maintain freeboard, as shown. Pivot the diffuser assembly back to its vertical position if it was moved.

Be certain the automatic air vent is protruding into the top of the closure as indicated below in Figure 1. Ensure that the automatic air vent is in the center of the filter closure. Wash away all sand around the threaded opening at the top of the tank.

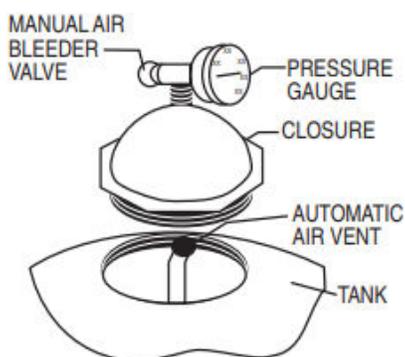


Figure 1.

