

Instructions for Adding Media & Starting Up Greensand Filter

1. Remove control valve from top of tank if installed, and place distributor tube into tank.
2. Wrap end of distributor tube with a few wraps of electrical tape to prevent media from entering distributor when pouring in media. This tape will be removed after filter media has been added.
3. Add base gravel using blue funnel, then add the greensand (MTM) media that was shipped. Tank should be about 2/3rd full of media. Do not fill more than 75% of tank. Do NOT add potassium permanganate directly to filter tank, the permanganate goes in the small blue solution tank (see Step 6).
5. Remove tape from distributor. Do not pull up distributor tube. Screw on control valves until tight, be careful not to cross thread tank. Plug in filter backwash control valve into electrical outlet.
6. Attach potassium perm. solution tank with 3/8 black tubing included and put 5 lbs of potassium permanganate powder (one container) on top of white felt pad in solution tank. Add water until water level is three to four inches above felt pad.
7. Plug in control valve, start up a manual regeneration backwash (see control valve manual for instructions on operating control valve. Note, there is no need to adjust the backwash length or regeneration settings, the factory settings have already been set up for greensand MTM operation. The filter has been set to backwash every 4 days, which is standard for most applications. The backwash frequency can be changed by the owner or installer if a setting other than 4 days is desired. If a neutralizer filter or water softener is used in conjunction with the greensand filter, set the regeneration/backwash time to 2 hours earlier or later than the greensand time.
10. Allow system to run through a complete regeneration-backwash cycle, about 90 minutes. After it is finished turn on water to house and flush piping and fixtures.
11. Check perm. tank in one month. Once small mound of powder is dissolved add another 5 lbs (every 2 to 3 months for most residential applications).
12. For best results clean injector and screen assembly inside control valve every 6 to 12 months as needed, and periodically flush and clean permanganate tank and float assembly with citric acid.

