



# INSTALLATION

## A1800™ Series Filter

A1800-4x18-B35 & B40  
A1801-4x18



**Optional Handle Installation Instructions**

- Place the 1/2" female threaded cap underneath the hole in the center of the filter handle.
- Thread the male end of the 1/2" male adapter (MIPT x SLIP) into the female threads of the cap. Tighten the fittings until they are snug around the filter handle.
- Glue one end of the 1/2" sch40 pipe into the slip adapter on the top of the filter. (If the 1' pipe is not long enough, you will need to supply your own length of pipe. Also, the pipe may be cut to give a shorter handle.)
- Glue the 1/2" tee to the top of the 1/2" sch40 pipe.
- Install the Zabel filter following its Installation Instructions. Notes: Prime all fittings before solvent welding (gluing).

### New System Installation:

**STEP 1** Locate the outlet of the septic tank.

Note: Make sure tank is installed level.

**STEP 2** Remove the tank cover. Solvent weld the outlet tee baffle onto the septic tank outlet pipe.

**STEP 3** Insert A1801 cartridge into 4" tee baffle taking care that the security tab is facing the outlet opening in order to properly secure filter in place.

### Existing System Installation

**STEP 1** Locate the outlet of the septic tank.

**STEP 2** Remove the tank cover and pump the tank if necessary to prevent any solids from escaping to the field when the cartridge is removed.

**STEP 3** Before solvent welding (glueing), make sure that when installed the tee and filter will be centered under the access opening and that the filter is level. If not attach additional pipe. Solvent weld the tee and pipe assembly to the 4" outlet pipe extending through the wall of the tank. Note: Always clean and prime all pipe before solvent welding.

**STEP 4** Insert the filter cartridge into the tee, making sure the filter cartridge is completely inserted into the tee.



- Notes:**
- If 4" PVC pipe does not extend into the tank, a plumbing flange may be used.
  - The A1801 and A1801-HIP cartridges may be inserted into SDR 35 or Schedule 40 outlet tee baffles.
  - The bottom gasket on the cartridge must be contained within the outlet baffle pipe, in order to create a seal with the surrounding pipe.
  - If you have purchased a Zabel Smartfilter, additional installation instructions can be found in the Smartfilter Alarm System box.
  - A riser to grade over the outlet access opening is recommended and may be required in certain states.
  - If the filter can not be installed in the existing tank, it can be installed using a Zeus Basin System. In this case, the New System Installation instructions will be used.
  - Filter material: white or natural = PVC, gray = ABS
  - Performance: Maximum daily flow = 800 GPD  
Average reduction in TSS within 6 months of installation - 40% in typical residential wastewater.
  - Minimum of 3" drop required in tank for proper SmartFilter operation

# MAINTENANCE

## A1800™ Series Filter

The interval for servicing septic tanks is set by state and local code. Throughout the United States there is a wide difference of opinion on what this interval should be, but most regulatory agencies suggest two to five years. The Zabel® filter, which does not increase the frequency of servicing for the tank, should be cleaned when the septic tank is normally inspected and pumped. However, our filter is virtually self-cleaning. The continued action of the anaerobic organisms on the Zabel filter causes lodged particles to disintegrate and fall to the bottom of the tank. If your filter contains a SmartFilter® alarm, you will be notified by an alarm when the filter needs servicing.

**To service the filter:**  
\*Servicing any Zabel filter should only be done by a certified septic tank pumper or installer.

**STEP 1** Locate the outlet of the septic tank.

**STEP 2** Remove the tank cover and pump the tank if necessary to prevent any solids from escaping to the field when the filter is removed.

**STEP 3** Firmly pull the filter handle and slide the cartridge out of the case.

\*Note: A tee handle may have to be used if the filter is too far below ground level to reach. Contact Zabel for info on tee handles.

**STEP 4** While holding the cartridge over the access opening rinse off the cartridge with fresh water, being careful to rinse all septage material back into the tank.

**STEP 5** Re-insert A1801 cartridge into 4" tee baffle taking care that the security tab is facing the outlet opening in order to properly secure filter in place.

- Notes:**
- If you have a Filtered Versa-Tee™ Model Filter, be sure and spray clean the outlet opening before replacing the Filter.



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