

# Private Drinking Water Standard for Particle Filtration

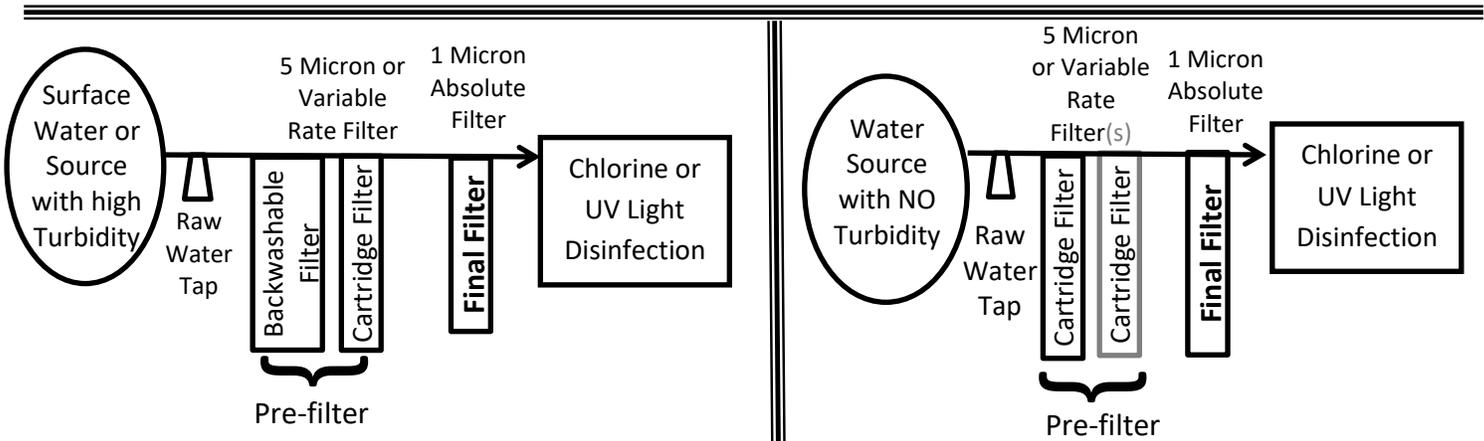
Chautauqua County Health Department - Environmental Health Division (716) 753-4481

*This system is intended for use in **private properties that use a pond, spring, or dug well** subject to surface contamination. Following system installation, a passing water sample is required.*

**NOTE TO INSTALLER:** You must certify that **ALL** steps were completed by placing a check mark in each box, signing this form, and returning it to the CCHD - Environmental Health Division office or inspector. A copy of this form must be included with the maintenance instructions and/or manufacturers' literature.

- Plans and filter specifications MUST BE SUBMITTED** to CCHD – Environmental Health Division **BEFORE INSTALLATION.**
- Raw Water Tap** must be installed before filtration.
- Preliminary Filtration:** Type of filter is dictated by the water quality from the source; the more turbid (cloudy) the source, the more pre-filtration is needed. Pond, spring, or dug wells must use either a backwashable multi-media pressure filter followed by a cartridge filter **or** two appropriately sized cartridge filters. The last cartridge of the pre-filter must be either a 1 micron, 5 micron or a variable rate fiber filter.
- Final Filter** – A 1 micron **absolute\*** cartridge filter that is NSF approved for drinking water is required. The filter housing must be NSF approved and designed for use with the proposed 1 micron absolute fiber filter. The filter must be sized based on the maximum flow rate of the pump.  
\*Filters that are not 1 micron absolute **MAY NOT** remove potential contaminants like giardia and cryptosporidium.
- Spare cartridge filters** must be kept on site.
- Disinfection:** Either a continuous feed chlorinator or an ultraviolet (UV) light system must be installed with particle filtration. Refer to applicable CCHD - Environmental Health Division standard on disinfection.
- Maintenance Instructions and/or Manufacturers' Literature** must be available on site for the buyer.

**NOTE TO OWNER:** Filter cartridges and media must be replaced following manufacturer recommendations. Pressure gauges may be installed in between filters to help determine when cartridges should be replaced. We recommend the water be tested for bacteria at least once per year to check the effectiveness of the system. For seasonal homes, we recommend the water be tested for bacteria as soon as the water is turned on each year.



Address of Installation

Date of Installation

Installed By (Company)

Name of Installer