



SUGGESTED PLUMBING SYSTEM DISINFECTION PROCEDURE

Plumbing system disinfection procedure to ensure TWT UV system maximum end results.

Read this entire section before proceeding:

In any UV system, disinfection takes place inside the UV chamber and there is no residual value (disinfection agent) remaining in the water stream. For this reason it is critical that the plumbing system downstream of the UV chamber be disinfected in order to ensure the maximum effects of the UV system.

This simple disinfection procedure must be performed immediately after installation of the UV system, and repeated whenever the UV system is shut down or inoperative for a prolonged period of time.

Downstream Plumbing System Disinfection Procedures:

1. Remove the filter bowl and filter cartridge (on systems so equipped) from all pre-filters and fill the bowls with 2 cups of household (5.25%) chlorine bleach. replace the filter bowl (not the filter cartridge).
2. To ensure the UV system is operating effectively, turn system on.
3. Open every cold water faucet allowing water the run until the smell of chlorine is detected.
4. Shut off the open cold water taps.
5. Repeat the same process on the hot water side.
Be sure to include every faucet, fixture and tap including outdoor systems, dishwashers, showerheads, washing machines, connections to refrigerator, toilets etc. As each of these fixtures must have chlorinated water flowing through them for proper disinfection.
6. After all fixtures have passed chlorinated water, let the UV system stand for approx 30 minutes to ensure proper disinfection.
7. Shut-off UV system
8. Replace the filter cartridges in pre-filter bowls and flush the entire system with fresh water to remove all traces of chlorine smell. DO NOT consume the chlorinated water.

CAUTION– This procedure must be repeated anytime the UV system is shut down or inoperable for any amount of time and/or reason.

The addition of chlorine bleach to a hot water tank may produce oxidation of contaminates from the tank and may require repeated flushing of the hot water tank to clear out the contaminates. This situation must be dealt with independently of the installation and startup procedures for the UV system.

NOTE: The introduction of chlorine bleach solution to the UV system may trigger a temporary low UV condition. This is due to the fact that bleach physically clouds the source water.

After the bleach passes through the system, the alarm condition will return to normal. In systems with a solenoid valve, simply disconnect the UV Sensor from the UV Monitor while the lamp is on to temporarily bypass the solenoid. When the bleach solution has been flushed from the system reconnect the UV sensor to the UV Monitor.