



RESIDENTIAL WATER TREATMENT STRATEGIES

Considerations:

1. Define treatment goals:
 - a) Bacteria control
 - b) Eliminate odors, improve taste
 - c) Reduce minerals, eliminate discoloration
2. Total water used per day and usage pattern
3. The quality of your water source: is the water source a well, spring or cistern and is it pumped to the point of use
4. Is upgrade of your current system is possible or new installation is required
5. How much room is available in a basement or crawl space
6. Do it yourself or use a professional contractor
7. Your available budget
8. Regulations of the Local Health Department, Federal or State Environmental Protection Agency

Equipment available to help meet your treatment goals:

1. Bio-Dynamic tablet feeder with Bio-Sanitizer disinfecting tablets to kill bacteria and most viruses
2. Water softener to reduce minerals eliminate iron accumulation
3. Whole house carbon filter to improve taste and eliminate odors
4. Whole house reverse osmosis filter system to purify water
5. Plastic storage tanks with level controls to balance water production to water usage
6. Water booster pumps to repressurize water after a storage tank
7. Pressure tanks for final water storage and feed to the point of use

Typical solutions:

1. Single family home with encased well and no history of bacterial contamination:
 - a) Shock disinfect well at least once per year
 - b) Water softener following well pump to remove minerals
 - c) Pressure tanks for distribution to points of use
2. Single family home with encased well, bacterial contamination, all homes using surface water source or all commercial facilities serving the public
 - a) Bio-Dynamic tablet feeder with Bio-Sanitizer disinfecting tablets
 - b) Non-pressurized storage tank with level controls
 - c) Booster pump in the final storage tank
 - d) Water softener to remove minerals
 - e) Pressure tanks for distribution to the points of use
3. Single family home with encased well, no bacterial contamination, but water hardness and odor problems
 - a) Shock disinfect well at least once per year
 - b) Water softener to remove minerals
 - c) Whole house carbon filter to remove odors after removing sacrificial anodes from the hot water tank
 - d) Pressure tanks for distribution to the point of use



RESIDENTIAL WATER TREATMENT STRATEGIES

4. Single family home or commercial establishment using surface water or non-encased well and a history of poor quality water source
 - a) Bio-Dynamic tablet feeder with Bio-Sanitizer disinfecting tablets
 - b) Non-pressurized storage tank with level controls
 - c) Booster pump in the final storage tank
 - d) Water softener to remove mineralss
 - e) Reverse osmoses filter system to purify water
 - f) Non-pressurized storage tank with level controls and float activated bypass of the reverse osmosis system
 - g) Booster pump in the final storage tank
 - h) Pressure tank for distribution to the points of use

Bio-Dynamic tablet feeders and Bio-Sanitizer disinfecting tablets are produced to meet all Federal and State potable water disinfection standards. Before purchasing or installing any potable water system you must contact the Local Health Department for guidance and plan approval.