

Thursday 1 September - Selecting and installing proper water conditioning equipment

The first step requires a chemical and microbiological analysis of the water in order to determine the best treatment, if needed, to provide water of optimum quality for the intended uses. (Note: There is no way to determine what type of water quality you have just by looking at it; we must know the quantity and the types of contaminants in order to select and program the equipment to install.)

If you have a new well, it is suggested that you disinfect and then flush your well frequently to determine your true water quality before installing any equipment, if needed (approximately one month of usage).

The next step is to provide the proper corrective equipment for the water problem, and proper size equipment to prevent pressure drop and saturation. Look for certified products.

Make sure your pumping system is adequate, for the demand of the chosen water conditioning equipment. It is important to verify the water flow to avoid saturation and operating problems of the water treatment systems. Each media has a unique density, which requires the adequate water flow for its regeneration.

The individual responsible for installing equipment (softeners, chemical feeders, filters, ultraviolet, etc.) should be a well experienced professional, fully trained for the job and mindful of the manufacturer's instructions.

For your own protection, it is important to carry out a bacteriological analysis during freeze and thaw periods; also verify nitrates every two to three years.

Get professional advice for installing or improving systems and ensuring water quality.

Suggestion: Before putting a property up for sale, analyze your water to prevent surprises.

Obviously, water conditioning is a large and extremely complex field. A knowledge of chemistry, hydraulics, mathematics, bacteriology and much more is necessary in gaining a well-rounded background. A well experienced professional will analyze, determine and install the proper equipment, to provide water of optimum quality for each use, and contribute to the well-being of the general public.

