

# Treatment systems

## For bacteria

If your water is contaminated, it is better to remove the source of the contamination than to treat the water. However, if the problem cannot be solved at the source, a number of water disinfection systems are available. Each system requires routine maintenance. Refer to the owner's manual. Regular testing of your water must continue.

**Chlorinators** continuously add chlorine to your water distribution system, allowing sufficient contact time for the chlorine to kill the bacteria. These units must be checked often to ensure that the right amount of chlorine is being added.

**Ultra-violet (UV) light filters** use UV light to kill bacteria, viruses, and intestinal protozoa such as *Cryptosporidium* and *Giardia* in pre-filtered water. A Class A system is required (NSF 55). Pre-filtration of water is generally required for this treatment to work properly. The light needs to be replaced regularly. Drinking water needs to be refrigerated after treatment.

**Distillers** boil water, then condense the vapour and collect it in another compartment. Bacteria and minerals are removed, and some chemicals. Water should be filtered before treatment and refrigerated afterwards. Standard is NSF 62.

**Ozonators** inject small amounts of ozone gas into water to kill most bacteria. Treated drinking water should be refrigerated.

