



# WATER TREATMENT SYSTEMS FOR SCHOOL, APARTMENT, RESIDENCE AND MASS HOUSING





By closely following the technologies of water and wastewater treatment systems in developed countries, VATEK Environmental Technologies provide turnkey contracting services in the fields of industrial, medical and public water treatment, project and consultancy, maintenance and technical service, consumables, equipment, spare parts and water chemicals internationally.

## WATER TREATMENT SYSTEMS

Water used in schools, apartments and housing units must be descaled and free of sediment. The sediment (particles) in the water is removed from the water by **multimedia filtration systems** or separator filters and bag filters. With our **water softening systems**, the descaled water ensures the long-lasting use of building installations without deforming and prevents the appearance of white lime of sinks and shower faucets and extends the life of white goods. It also has other positive effects such as the longer life time of the washed textile products, the less amount of detergent use etc.

Ultraviolet disinfection systems are highly preferred in buildings. These systems eliminate bacteria and viruses that may be present in the water.

With our **gray water and rainwater treatment systems** which have become more frequent in mass housing, retirement homes and dormitory buildings, the systems pay off in 1-2 years and reduction in total water use is achieved. Gray water treatment systems can be used for purposes such as garden irrigation by purifying all incoming water excluding of the toilet.

On the other hand, the chlorine and pH values of the pool can be kept at desired intervals with our fully automatic **dosing systems**.

*For School, Apartment, Residence, Mass Housing; Our services on Water Treatment Systems are as follows;*

- Filtration and softening systems
- Dosing and ultraviolet disinfection systems
- Reverse osmosis water treatment systems
- Rain water and gray water treatment systems

## FILTRATION AND SOFTENING SYSTEMS



Description

Filtration systems remove suspended solids, particles and remove organic pollution. It is used to provide the water with desired hardness degrees to be used in production. It can also be used to feed all lines of the factories.

# DOSING AND ULTRAVIOLET DISINFECTION SYSTEMS



Description	Dosage systems are used for many purposes such as; water disinfection, ph reduction and raise, corrosion prevention and so on. Ultraviolet device are used to sterilize water. It is effective in removing micro organisms such as bacteria, viruses, fungi and mold in water.
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# REVERSE OSMOSIS WATER TREATMENT SYSTEM



Description	Dissolved organic and inorganic substances (salty, bitter, high conductivity, etc.), salts, heavy metals, viruses and bacteria in the water are treated with reverse osmosis systems. Up to 96-99% of purity in water could be achieved. Water with different sources such as well water, tap water, sea water etc. could be treated with high purity using Reverse Osmosis systems.
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# RAIN WATER AND GRAY WATER TREATMENT SYSTEM



Description	<p>Gray Water contains all waste water containing the least pollutants excluding the toilet water. Water obtained by Gray Water Recovery is used instead of mains water for works that do not require drinking water quality water.</p> <p>Rain water is the closest source to pure water. The water treated with rainwater treatment systems is used as domestic water.</p>
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