TECHNOLOGY PRODUCTS, AND SERVICES - IN BRIEF

**FILTRATION**

**IRON AND MANGANESE REMOVAL**
The Continuous Regeneration (CR) Process for removal of iron and manganese from water was developed and patented in 1963. Subsequent innovations improved efficiency and eliminated the need to use potassium permanganate.

**ARSENIC REMOVAL**
Tried and proven co-precipitation / filtration processes remove naturally occurring arsenic from drinking water.

**PRE-TREATMENT**
Custom designed and pre-engineered filtration systems to pre-treat water upstream of membrane systems, vastly improve the life of membranes.

**ION EXCHANGE**

**NITRATE REMOVAL**
Low-waste, low regenarant consumption, low leakage ion exchange systems to remove nitrates from water.

**RADIUM REMOVAL**
Ion exchange or co-precipitation (HMC) filtration processes remove naturally occurring radium from drinking water.

**SOFTENING**
Sodium and potassium cycle conventional downflow and high-efficiency upflow regenerated softening systems remove hardness from water.

**COLOR REMOVAL**
High-efficiency, regenerable ion exchange systems with low waste and zero resin loss remove color from water.

**WEAK ACID SOFTENING**
An innovative approach using a single process to treat water for iron and hardness associated with alkalinity.

**CONDENSATE POLISHERS**
High-rate, deep bed, high and low-pressure systems to remove soluble and insoluble constituents from condensate for boiler systems.

**DEMINERALIZERS**
Ion exchange systems produce demineralized water for power generation and other specialized industrial applications. Systems include cation exchange, anion exchange, mixed bed polishers, on-site acid and caustic regeneration systems, as well as waste neutralization systems.

**OTHER SPECIALTIES**

**FORCED DRAFT Degasifiers**
Packed tower, fiberglass construction, remove CO2, VOCs and other sparingly soluble gasses from water. Systems include single stage or multi-stage, with or without clearwells.

**VACUUM Degasifiers**
Packed tower, lined steel construction, high-efficiency systems are custom designed to remove sparingly soluble gasses from water. Systems include single stage or multi-stage, with vacuum pumps, ejectors or both.

**ULTRA FILTRATION FILTER SYSTEMS**
An effective alternative to granular media for select applications, especially those requiring treatment for bacteriological and viral contaminants.
TECHNOLOGY PRODUCTS, AND SERVICES - IN BRIEF

THE COMPANY

More Than 100 Years of Water Conditioning
Our advanced water treatment systems remove – iron, manganese, arsenic, radium, hydrogen sulfide, nitrate, sodium and color for municipal, government and industrial applications.

IN HOUSE LABORATORY

Analysis of water samples with computer modeling helps determine the system you require – to most efficiently meet your specific water treatment needs.

SERVICES

PILOT PLANTS
A valuable tool for predicting performance of a full-scale plant. Helps to optimize a full scale system.

CUSTOMER SERVICE
Offering ongoing service and parts throughout the life of your custom-designed water treatment system.

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