



# HUNGERFORD & TERRY, INC.

STILL LEADING THE WAY WITH INNOVATIONS IN WATER TREATMENT TECHNOLOGY

## TECHNOLOGY PRODUCTS, AND SERVICES - IN BRIEF



High efficiency upflow regenerated Packed Bed nitrate removal systems minimize waste and regenerant consumption

### 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.



Innovative Hub Curved Underdrain follows the contour of the lower tank head to provide uniform distribution, and eliminate stagnant water hideout below, all without the need to install a concrete sub-fill.



Space Saver horizontally oriented filters treat high service flows and minimize building space by locating the bulk of the tankage outdoors

### ION EXCHANGE

#### NITRATE REMOVAL

Low-waste, low regenerant consumption, low leakage ion exchange systems to remove nitrates from water.

#### RADIUM REMOVAL

Ion exchange or co-precipitation (HMO) / 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.



Plug-n-Play Factory Assembled Skid-Mounted treatment systems arrive virtually ready to use

### OTHER SPECIALTIES

#### FORCED DRAFT DEGASIFIERS

Packed tower, fiberglass construction remove CO<sub>2</sub>, 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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