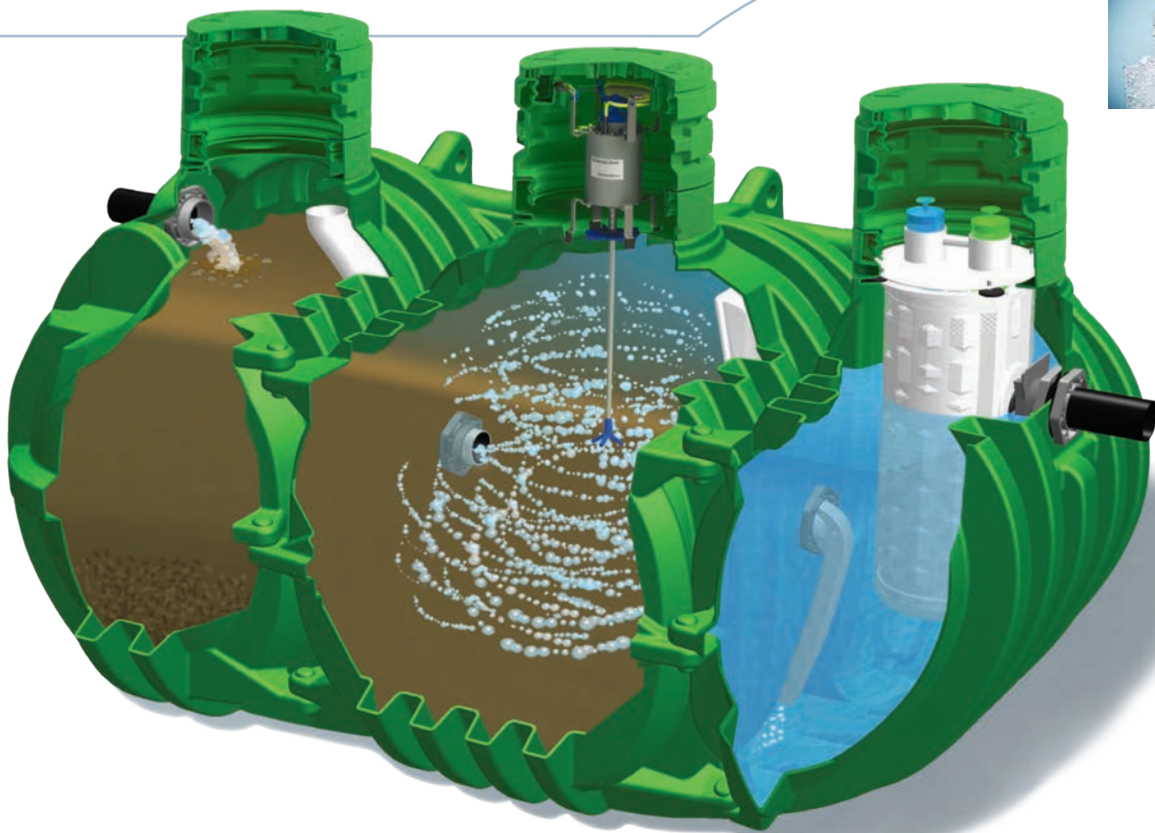
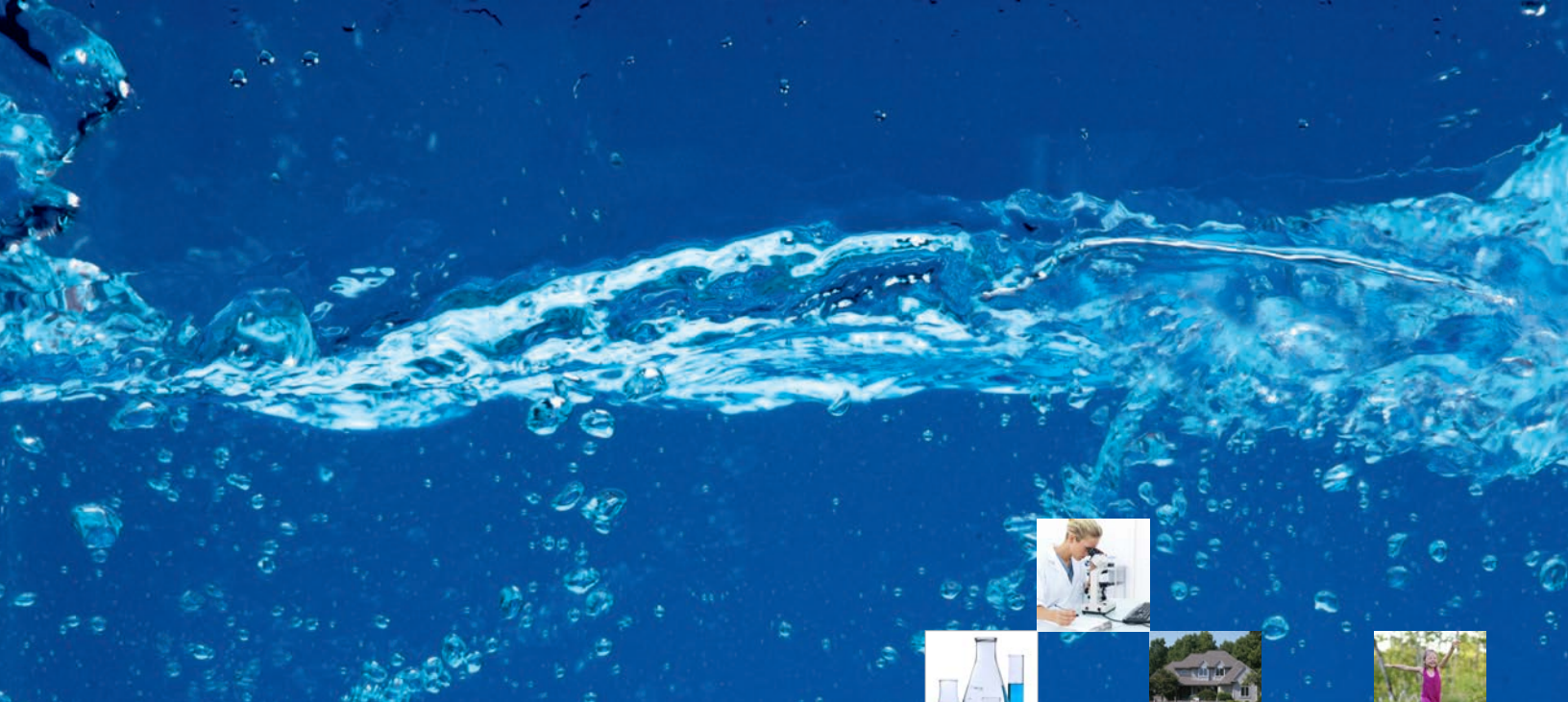


# SINGULAIR GREEN®



***norweco***®

*Engineering the future of water  
and wastewater treatment*





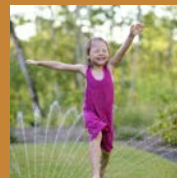
# SINGULAIR GREEN®

The best treatment system  
is now even better,  
with simplified installation  
and competitive pricing

We've been providing progress through service since 1906. The Singulair Green aerobic wastewater treatment system incorporates our advanced aerobic treatment process into a durable, watertight polyethylene tank. Easily installed at even the most difficult jobsite with just a backhoe, the integral support ribs insure the structural integrity of the Singulair Green tank, while the four step Singulair treatment process flawlessly transforms domestic wastewater into clean, odorless effluent in less than 24 hours.

Providing a treatment solution for any property not connected to centralized sewers, Singulair Green is the most advanced and versatile treatment system on the market.

solutions in wastewater treatment



Norweco distributors, dealers, installers and service providers are located throughout North America and much of the rest of the world. Research, product development, manufacturing, marketing and sales support are conducted inside our offices and factory in Norwalk, Ohio USA. Everyone at Norweco is committed to shaping the future of our industry.

# engineering the future

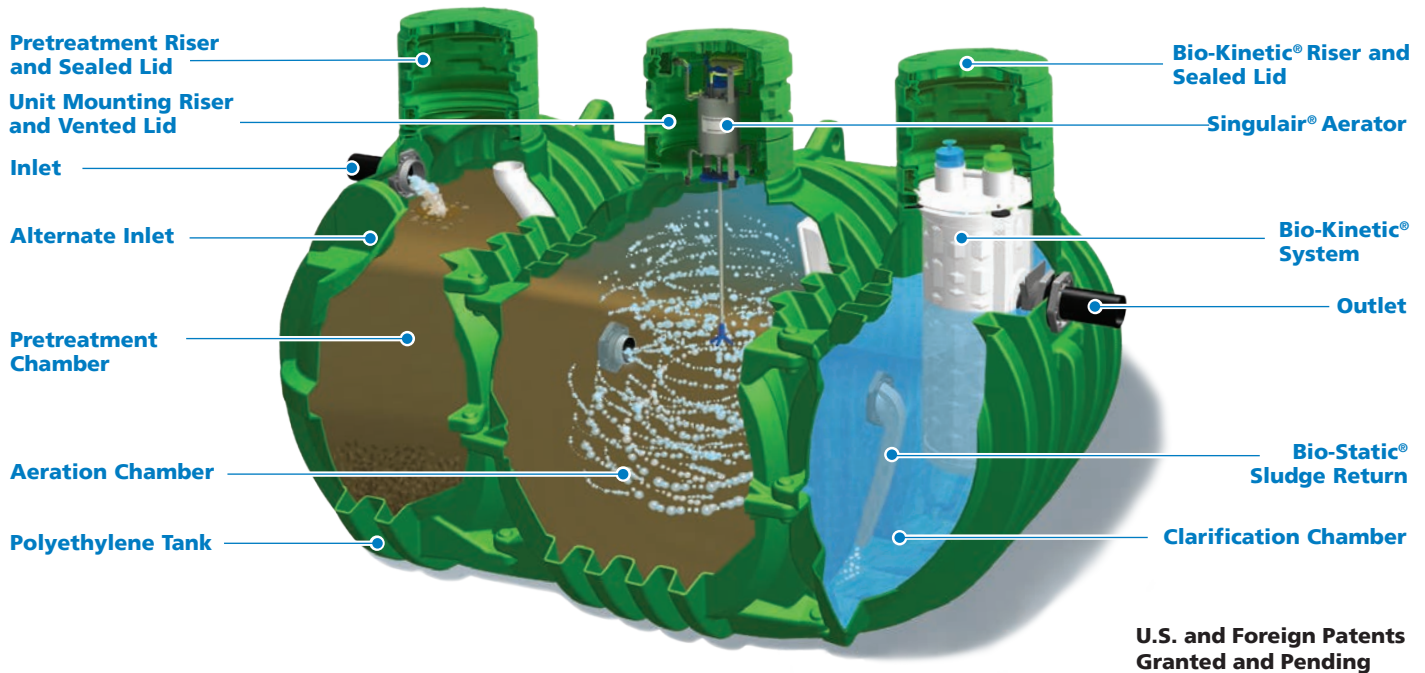
of water and wastewater treatment

## Specify Singulair Green®

Your local Norweco distributor is fully trained to install your Singulair Green system and any other Norweco product you choose to protect your environment. Each of our dealers has completed a nationally accredited Singulair Green factory-training program.

The Singulair Green system comes to you complete, including delivery, tank setting, equipment installation, plant start-up and service. A series of service and adjustment inspections are scheduled for the first two years of operation at the time your system is installed. These inspections are included in the sale so that your system continues to perform at the highest level to protect you and your investment. Extended service contracts are also available from your Norweco distributors and dealers.

# Install with confidence when using a Singular Green® complete onsite wastewater treatment package



## Inlet

Untreated wastewater enters the system here.

## Pretreatment Chamber

Wastewater enters at the Singularair inlet and is equalized here as anaerobic bacteria and gravity precondition it.

## Aeration Chamber

Here, safe, living aerobic bacteria convert the wastewater into stable substances. Flow equalization maximizes this biological oxidation and assures 24-hour retention and treatment of all wastewater flow.

## Clarification Chamber

Flow equalization enhances settling of biologically active substances inside the Clarification Chamber where wastewater is converted to a clarified liquid.

## Bio-Kinetic System

Combines filtration, settling, flow equalization, optional disinfection, adjustable outlet weir and optional dechlorination features into a single, revolutionary package. Liquids exit the perimeter settling zone through the flow equalization ports. These ports control the flow through all upstream and downstream processes and regulate the amount of liquid that can enter the Bio-Kinetic system.

## Outlet

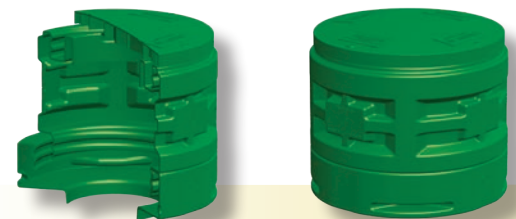
A flow equalized, treated, clear, safe and odorless liquid exits the system for return to your environment.

## Aerator provides complete treatment

Powered by our 1725 RPM, 115 volt, fractional horsepower motor, the quiet, reliable aerator is economical to operate, reduces heat build up and dramatically increases bearing life. Each aerator is ANSI/NSF certified to operate only 30-minutes per hour.

## Polyethylene Tank

Rotationally molded, UV stabilized high density polyethylene, plus strategically located ribs, result in uncompromising tank integrity. Installation is quick and easy, with long term performance assured.



## UV Protected Molded Risers with Sealed or Vented Lids

ROTATIONALLY MOLDED RISERS AND LIDS ARE INCLUDED WITH EVERY SYSTEM. ALL RISERS AND COVERS ARE SEALED TO THE TANK WITH GASKETS AND TAMPER RESISTANT FASTENERS. ADDITIONAL RISERS CAN BE ADDED TO FIT SPECIFIC JOBSITE REQUIREMENTS.



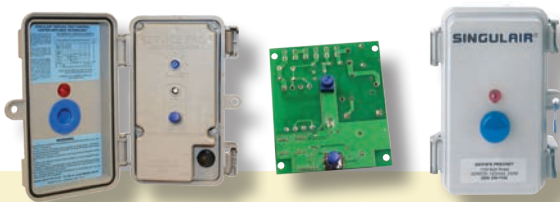
Progress Through Service Since 1906. Ultimately, our success over all these years boils down to perceived, appreciated and consistently delivered service to our customers.

## customer focus



### Consider the facts:

- The Singulair Green treatment unit is certified to NSF Standard 40 and our Bio-Kinetic system is certified as a chlorine dosing system to NSF Standard 46. Underwriters Laboratories (UL) and the Canadian Standards Association (CSA) have certified and/or listed all electro-mechanical equipment and components. These listings provide you the highest safety, reliability and quality.
- Contained in a rugged, heavy duty, UV protected polyethylene tank, the Singulair Green treatment system weighs less than 900 pounds and can easily be installed with a backhoe.
- 48-hour retention in the Singulair Green system reduces tank pumping frequency as compared to other systems that have a smaller capacity.
- System operating costs are low. The only electrical component is our low RPM Singulair aerator.
- Durable, reliable components are safely installed out of sight, below grade. No exposed power cords, compressors, equipment or air lines that are above ground and accessible to children or pets.
- The patented internal and external ribbed design assures long term tank integrity and minimizes the potential for tank damage due to careless pumping or hydraulic forces.
- The robust tank design and integrally molded internal walls allow Singulair Green to be installed up to three feet below grade. Rotationally molded risers and lids, with tamper resistant fasteners, provide security, strength and safety.
- Single tank convenience; the Singulair Green contains pretreatment, aeration, clarification, filtration, flow equalization, optional disinfection and dechlorination all in one compact treatment unit. The need for additional treatment system tankage is eliminated.
- The inherently strong ribbed-arch shape of the Singulair Green tank allows the use of most native soils for backfill and minimizes the need for water during the installation process.
- The Singulair Green system automatically equalizes influent and effluent flow through all stages of the treatment process. Even during periods of extreme hydraulic or organic overload, effluent quality is maintained. Variations in flow do not affect treatment performance or system operation.
- Your local, factory-trained, certified and licensed Singulair Green dealer sells, installs and services every wastewater treatment system with pride. You'll find their name and address conveniently posted on the control center cover.



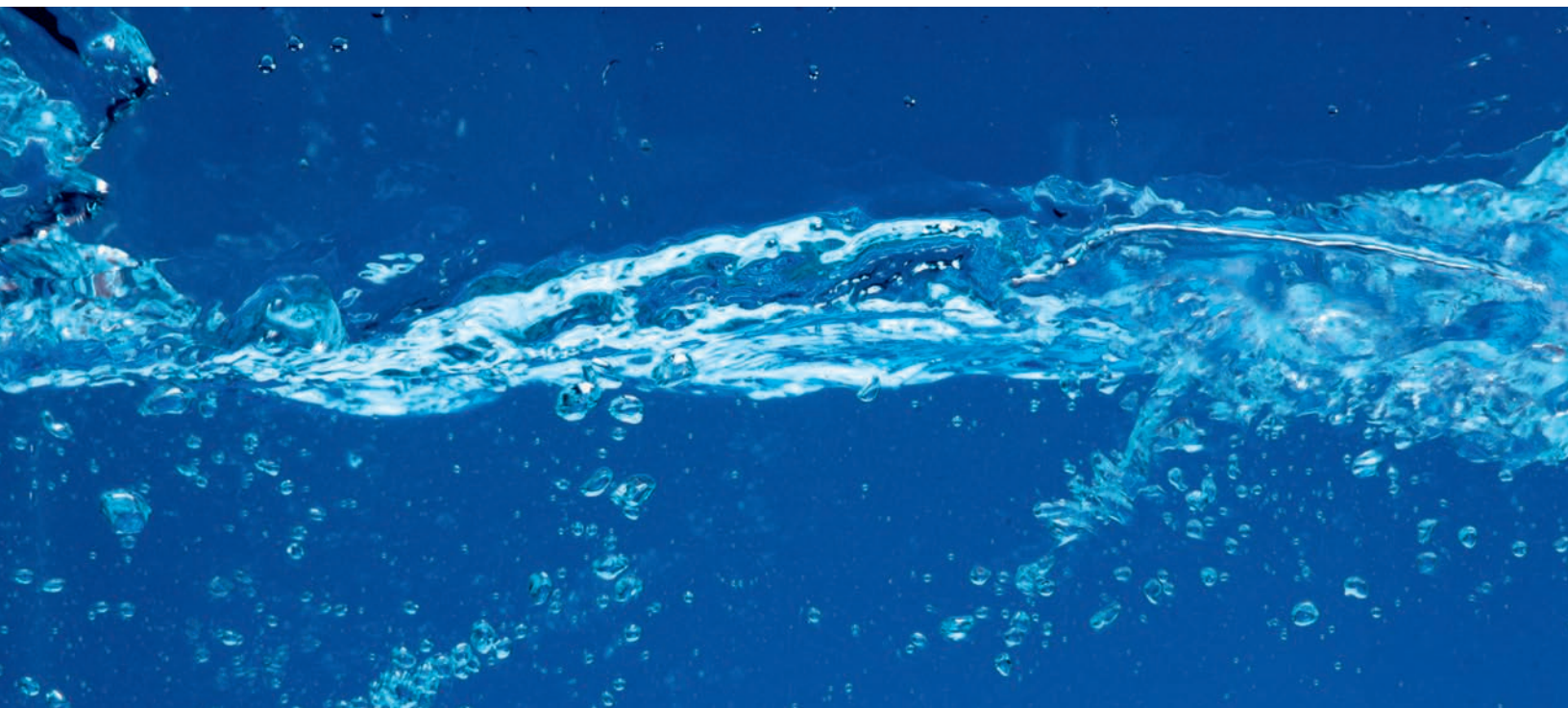
#### SERVICE PRO® Control Center

EVERY SINGULAIR AERATOR IS INSTALLED WITH A SOLID STATE ELECTRICAL CONTROL CENTER. EACH IS EQUIPPED WITH RESETTABLE CURRENT SENSOR, ON/OFF SELECTOR SWITCH, RED WARNING LIGHT, TIME CLOCK, AUDIBLE ALARM AND OPTIONAL FCC LICENSED AUTODIALER FOR REMOTE MONITORING OF INDIVIDUAL SYSTEM COMPONENTS.



#### Blue Crystal® Residential Disinfecting Tablets and Bio-Max® Dechlorination Tablets

PURE CALCIUM HYPOCHLORITE TABLETS FORMULATED FOR USE IN RESIDENTIAL SYSTEMS, BLUE CRYSTAL TABLETS CONTAIN 70% AVAILABLE CHLORINE. BIO-MAX TABLETS PROVIDE A CONVENIENT SOURCE TO INSTANTLY REMOVE CHLORINE. EACH TABLET CONTAINS 92% SODIUM SULFITE.



## comprehensive protection, guaranteed



Singulair Green is warranted against defects in material and workmanship under normal use and service by a comprehensive Lifetime Warranty and Exchange Program. The 3 year Limited Warranty and Lifetime Exchange Program covers all electro-mechanical components in the system.

An impressive list of installations including the Army Corps of Engineers, FHA, Department of Energy, numerous Fortune 500 firms, the Atomic Energy Commission, Department of Defense, U.S. Department of Natural Resources and USEPA funded projects demonstrate the field proven acceptability of Norweco's products. Quality products, serviced by local experts, have earned Norweco a long-standing reputation for excellence.

### Other Products

#### **Modulair® Wastewater Treatment Plants**

FOR SEMI-COMMERCIAL APPLICATIONS

#### **Travalair® Wastewater Treatment Plants**

FEATURING AUTO SLUDGE AND SKIMMER SYSTEM

# ***norweco***®

Engineering the future of water  
and wastewater treatment

**220 Republic Street  
Norwalk, Ohio, U.S.A. 44857-1156  
PH: 419.668.4471  
FAX: 419.663.5440  
www.norweco.com**

The Singulair Green Bio-Kinetic System components have been listed, licensed and/or certified by each of the following agencies and organizations.



### *Progress Through Service Since 1906*

*We engineer, manufacture, install and maintain advanced water and wastewater treatment technologies for residential properties, communities and commercial properties that are not connected to sewer lines. Norweco treatment systems are in service all over the world.*

*Norweco®, Norweco.com®, Singulair®, Modulair®, Travalair®, Singulair Green®, Ribbit Rivet®, Hydro-Kinetic®, Lift-Rail®, Microsonic®, Bio-Dynamic®, Bio-Sanitizer®, Bio-Neutralizer®, Bio-Kinetic®, Bio-Static®, Bio-Gem®, Bio-Max®, Bio-Perc®, Blue Crystal®, ClearCheck®, ChemCheck®, Tri-Max®, Hydra-Max®, Service Pro®, MCD®, TNT®, Grease Buster® and "BUSTER" logo are all registered trademarks of Norwalk Wastewater Equipment Company, Inc.*