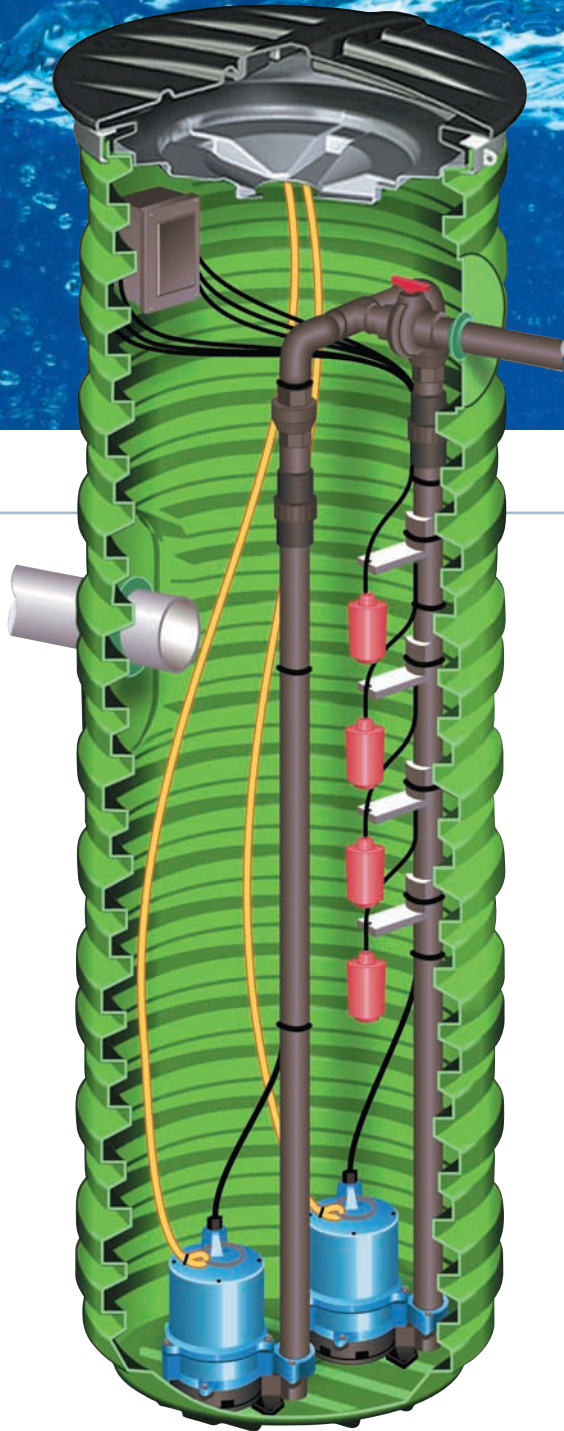


# PUMPING STATIONS



***norweco***<sup>®</sup>

*Engineering the future of water  
and wastewater treatment*



# PUMPING STATIONS

the **total solution**  
to **your** pumping  
requirements

Here are the pre-engineered pumping stations you need for all your fluid handling needs – influent and effluent pumping, timed and volume dosing, pressure sewers, collection and distribution systems. No matter what pumping system you need, Norweco has exactly what you need at an affordable price.

Homeowners. Building owners and managers. Engineers. Designers. Contractors. Public health officials. They all recognize our pumping stations as the most dependable, most cost-effective solutions for all wastewater and storm water applications.

Norweco has been providing progress through service since 1906. When you consider the facts presented in this brochure, you'll see that we are today's answer for the protection of tomorrow's environment.

**solutions** in wastewater treatment





Norweco distributors are located throughout the United States 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. Everyone at Norweco is committed to shaping the future of our industry.

# engineering the future

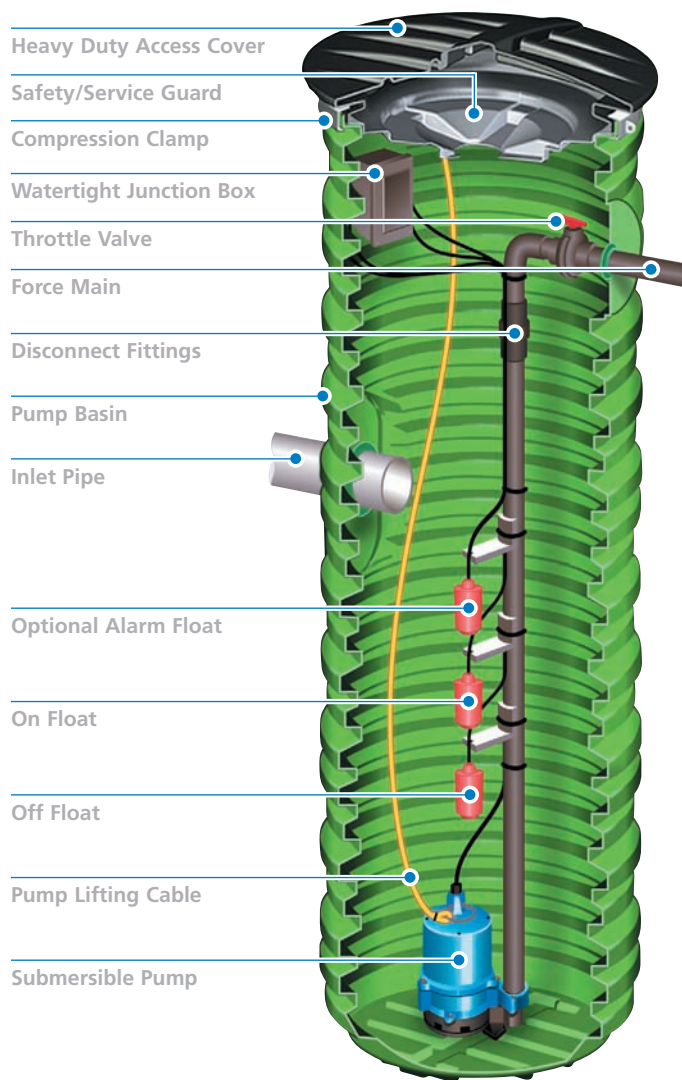
of water and wastewater treatment

## Specify Norweco® pumping stations

Your local Norweco distributor is fully trained to install the right pumping station for your application along with any other Norweco products you choose to protect your environment. Every member of our distributor team has completed a nationally accredited factory-training school. Each distributor has a thorough understanding of every pumping station and its application.

Your Norweco distributor brings you the complete pumping system ready for quick installation. A series of service and adjustment inspections are scheduled for the first year of operation at the time your pumping system is installed, and that regular maintenance is included in the sale to insure 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 distributor.

# For low flow domestic wastewater or stormwater, the Simplex Pump Equipment Package



**This is the economical, reliable solution that is quick and easy to install for septic tank effluent pumping (STEP), community and cluster systems, sand filters, dosed or pressurized disposal fields, drainage sumps and other residential and small commercial applications.**

## Heavy-duty access cover

Available in black or green, the access cover is secured to the basin by a lockable, corrosion resistant compression clamp. A safety/service guard installed beneath the cover prevents accidental entry.

## Simplified float control

To minimize installation cost, a single float can be used to control pump operation. When required, dual float operation with a separate control center allows for adjustable pump drawdown. Both designs can also be installed with an optional alarm float.

## Heavy-duty, energy efficient pump

Corrosion-resistant design provides reliable, long-term performance even in the harshest environment. Cast iron or steel motor housings dissipate heat and resist corrosion. The oil-filled motor insures continuous bearing lubrication and thermal overload protection prevents damage from high temperatures. Automatic reset eliminates any need to manually reset the pump after an electrical overload.

## Optional audible and visual alarms provide complete system protection

In the event of high water inside the basin, an alarm light and buzzer are automatically activated. The control center is manufactured entirely from UL listed or recognized components that are contained within our NEMA rated, weatherproof enclosure.

## Pump basin

Constructed of corrosion-resistant polyethylene, the core basin is built to handle wastewater for a lifetime. Need more storage capacity? Simply add risers and more ring sections.



### Model GB320

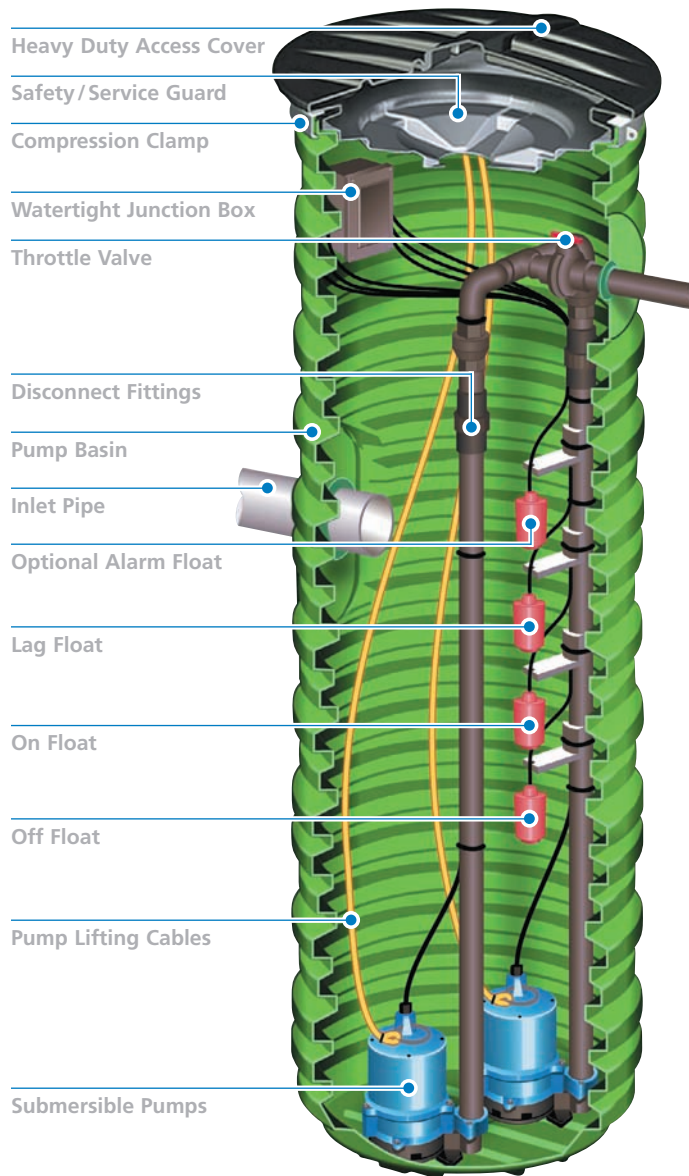
2 HP grinder pump for raw wastewater or pressure sewer systems with 40 GPM max., 105 ft. TDH max., 230 volt, single phase, oil-filled motor.



### Model HB105

1/2 HP multi-stage pump for pressurized disposal of filtered effluent with 28 GPM max., 125 ft. TDH max., 115 volt, single phase motor.

# For increased flow and high capacity domestic applications, the Duplex System with 2 pumps



**Our Duplex Pump Equipment System provides all the features of our Simplex System, but also gives you the backup protection and extra performance of two pumps. These Duplex Pumping Stations are ideal for greater flows of domestic wastewater and storm water and for pressure sewers, sequential dosing and small municipal collection systems.**

## Duplex pumps

Two reliable pumps increase delivery in response to surge flows while providing the extra security of pump backup.

## Control center

Our easy-to-install, durable control center automatically alternates lead and lag pump operation to provide equal wear and enhanced reliability. Multiple control center configurations and electro-mechanical options are available to meet any pumping requirement.

## Pump basin

No need to enter our corrosion-resistant polyethylene pump basin. All equipment and controls are safely and easily maintained from grade, so routine maintenance takes minutes and requires no special tools or confined space entry equipment.

## Adjustable dose control with automatic backup

Two float switches interface to initiate a predetermined dose at each pump cycle. Additional float switches are provided to automatically activate the backup pump and high water alarm.

## Outlet

Effluent is discharged through a single outlet connection.



### Model SC103

1/3 HP effluent pump for low flow residential pumping applications with 66 GPM max, 32 ft. TDH max., 115 volt, single phase, oil-filled motor.



### Model SC104

4/10 HP effluent pump for higher volume residential and commercial applications with 80 GPM max., 32 ft. TDH max., 115 volt, single phase, oil-filled motor.



### Model SC105

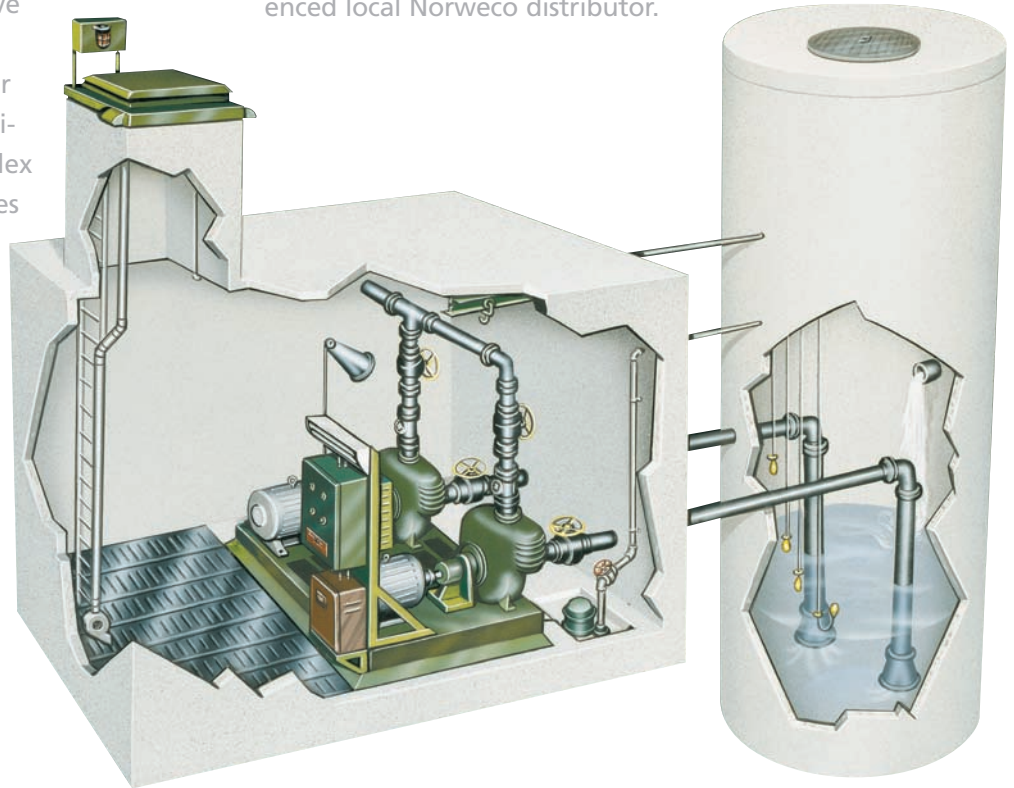
1/2 HP effluent pump for high head, storm water or STEP applications with 57 GPM max, 80 ft. TDH max., 115 volt, single phase, oil-filled motor.

# For the lowest cost per gallon capacity in the smallest possible space, specify POSAPRIME™ Pumping Stations

Each POSAPRIME station arrives at your job site as a complete unit ready for immediate, low-cost installation by your local Norweco distributor. The complete equipment package is pre-manufactured and fully tested at the Norweco factory. Our non-corrosive 5,000 PSI reinforced precast concrete station sections eliminate any need for a poured-in-place foundation. The efficient, non-clog Norweco simplex, duplex or triplex pumps are built for capacities to 4,500 gallons per minute. The central control panel puts all the controls at your fingertips and permits fully automatic operation and

pump alternation. Like all our stormwater and wastewater pumping stations, POSAPRIME comes with a single source 1-year Warranty that covers all components and includes service inspections by your trained and experienced local Norweco distributor.

## **POSAPRIME™ Pumping Stations**



# To pump wastewater up to a treatment facility or to lift treated effluent for discharge, specify a LIFT-RAIL® Pumping Station

Our exclusive rail sealing flange and remote pump removal system permits removal of a pump from operation for routine maintenance without wet well entry and with no need for special tools. Plus, the unique Norweco design eliminates any need to unbolt flanges and disconnect piping. Our duplex non-clog pumps

give you two pumps in each station. Each one can handle the entire wastewater flow, so downtime is virtually eliminated. Operation is fully automatic. Initial cost is low. The non-corrosive precast concrete tank is permanent. Installation is fast, efficient and all equipment is fully guaranteed.



# customer focus

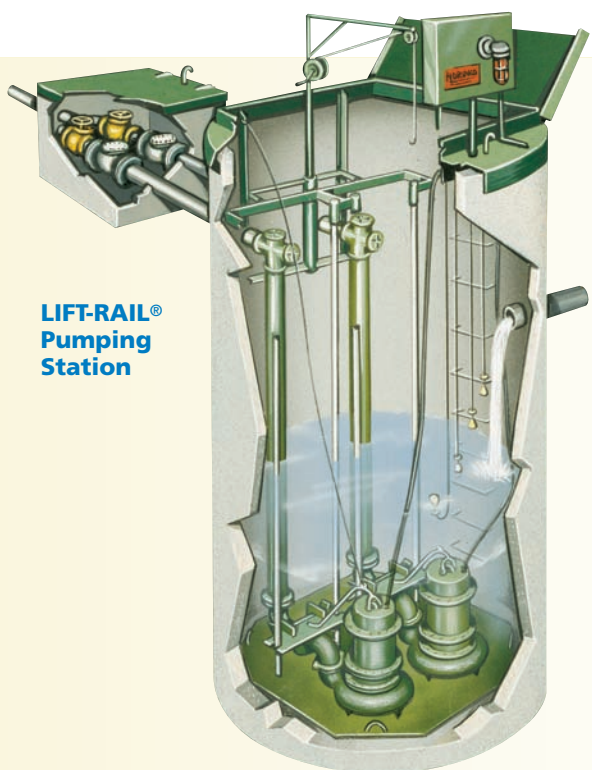
We exist to serve you. Our slogan has always been "Progress through service since 1906." We learned long ago that success belongs to those who view their customer as central.



## Consider the facts:

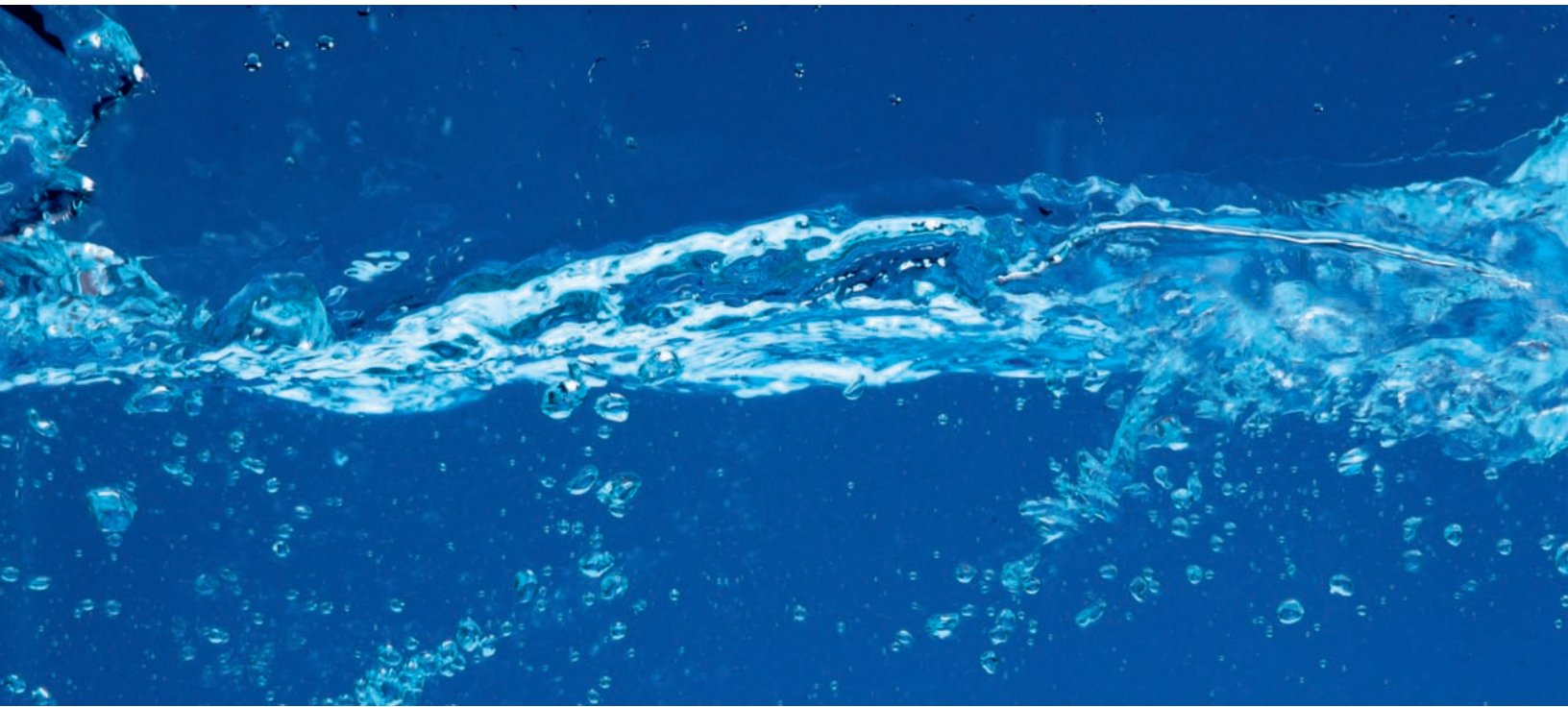
- The right pump system is available for your particular application – submersible effluent pumps to distribute treated wastewater to pressurized disposal fields, spray systems, drip systems, high head applications, grinder pumps for pressure sewer or other raw wastewater installations...whatever pump you need, your local, factory-trained and certified Norweco distributor can install it for you.
- Each pump is carefully engineered to deliver maximum performance for its specific application, providing exceptional value and years of trouble-free service.

- Installation couldn't be easier. The corrosion-resistant precast concrete or polyethylene basin comes with all equipment already factory assembled and prewired.
- Thanks to its flexible design, a Norweco pumping station is ideal for any new installation as well as any existing retrofit installation. Systems may be designed to accommodate any sewer line depth and any site situation.
- Multiple control options suit any pumping application. To increase functionality and to insure full compliance with your local regulations, timed and volume dosing options are available with a variety of alarm and component configurations.
- Advanced design translates into quick and easy installations and minimum maintenance.
- All routine maintenance is performed from grade on all domestic pumping systems. Each pump can be easily removed by your local Norweco service technician with no need to enter the basin, eliminating any need for confined space entry equipment that OSHA regulations would otherwise require.
- Maximum energy efficiency, minimum service and long life.
- All Norweco domestic pumping packages, both our Simplex and Duplex models, and their components are backed by a comprehensive one-year limited warranty. Our commercial and municipal pumping stations as described in this brochure are backed with our one-year warranty as well.



**LIFT-RAIL®  
Pumping  
Station**

Today's Answer for the Protection of Tomorrow's Environment



## comprehensive protection, guaranteed



All domestic, commercial and municipal Pumping Stations are warranted against defects in material and workmanship under normal use and service by a comprehensive 1 year warranty.

This limited warranty provides single source protection and covers all system components. Complete warranty information, a warranty registration card and Owner's Manual are included with purchase.

***norweco***<sup>®</sup>

*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](http://www.norweco.com)**

*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<sup>®</sup>, Norweco.com<sup>®</sup>, Singulair<sup>®</sup>, Modulair<sup>®</sup>, Travalair<sup>®</sup>, Lift-Rail<sup>®</sup>, Microsonic<sup>®</sup>, Bio-Dynamic<sup>®</sup>, Bio-Sanitizer<sup>®</sup>, Bio-Neutralizer<sup>®</sup>, Bio-Kinetic<sup>®</sup>, Bio-Static<sup>®</sup>, Bio-Gem<sup>®</sup>, Bio-Regeneration<sup>®</sup>, Bio-Perc<sup>®</sup>, Blue Crystal<sup>®</sup>, ClearCheck<sup>®</sup>, ChemCheck<sup>®</sup>, Service Pro<sup>®</sup>, Grease Buster<sup>®</sup> and "BUSTER" logo are all registered trademarks of Norwalk Wastewater Equipment Company, Inc.*