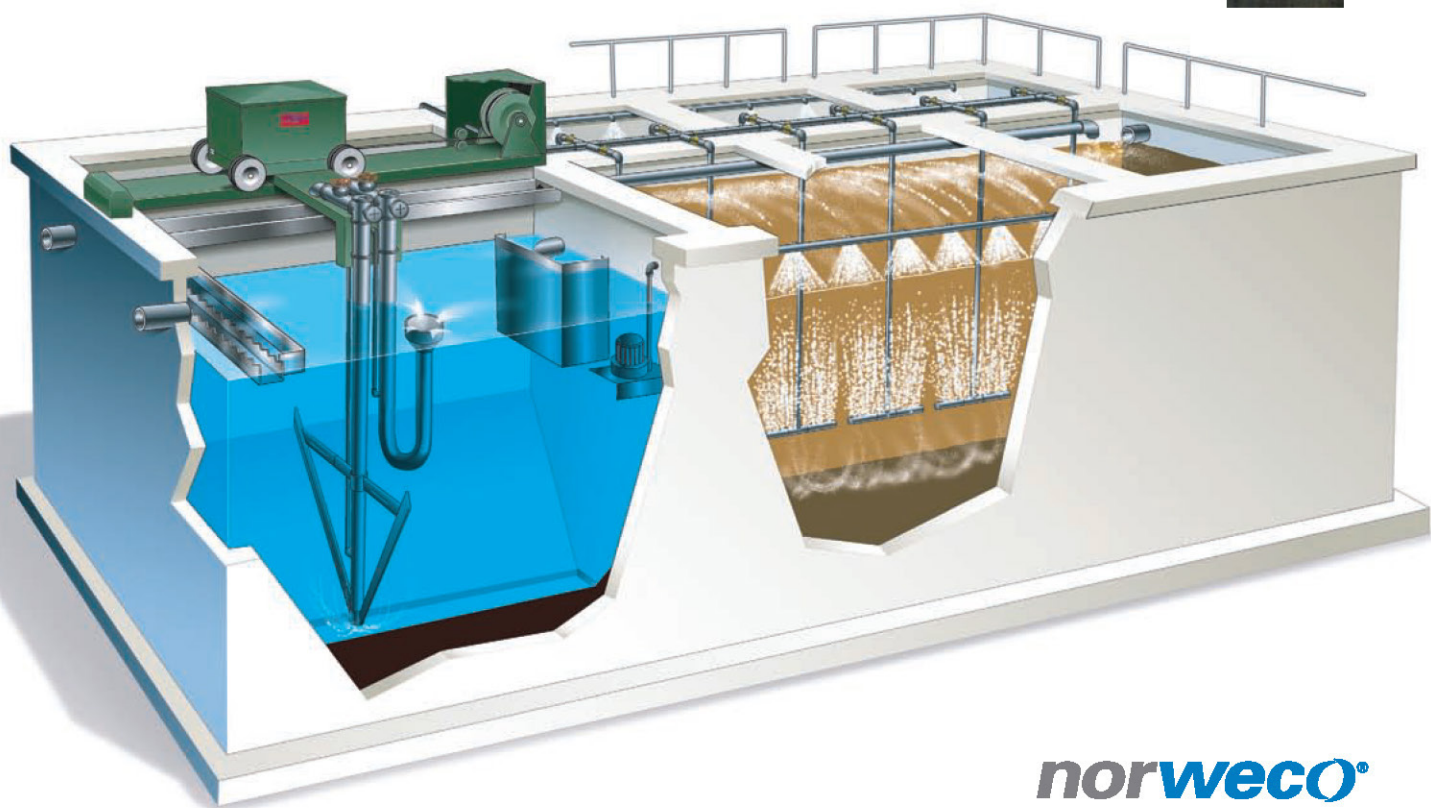
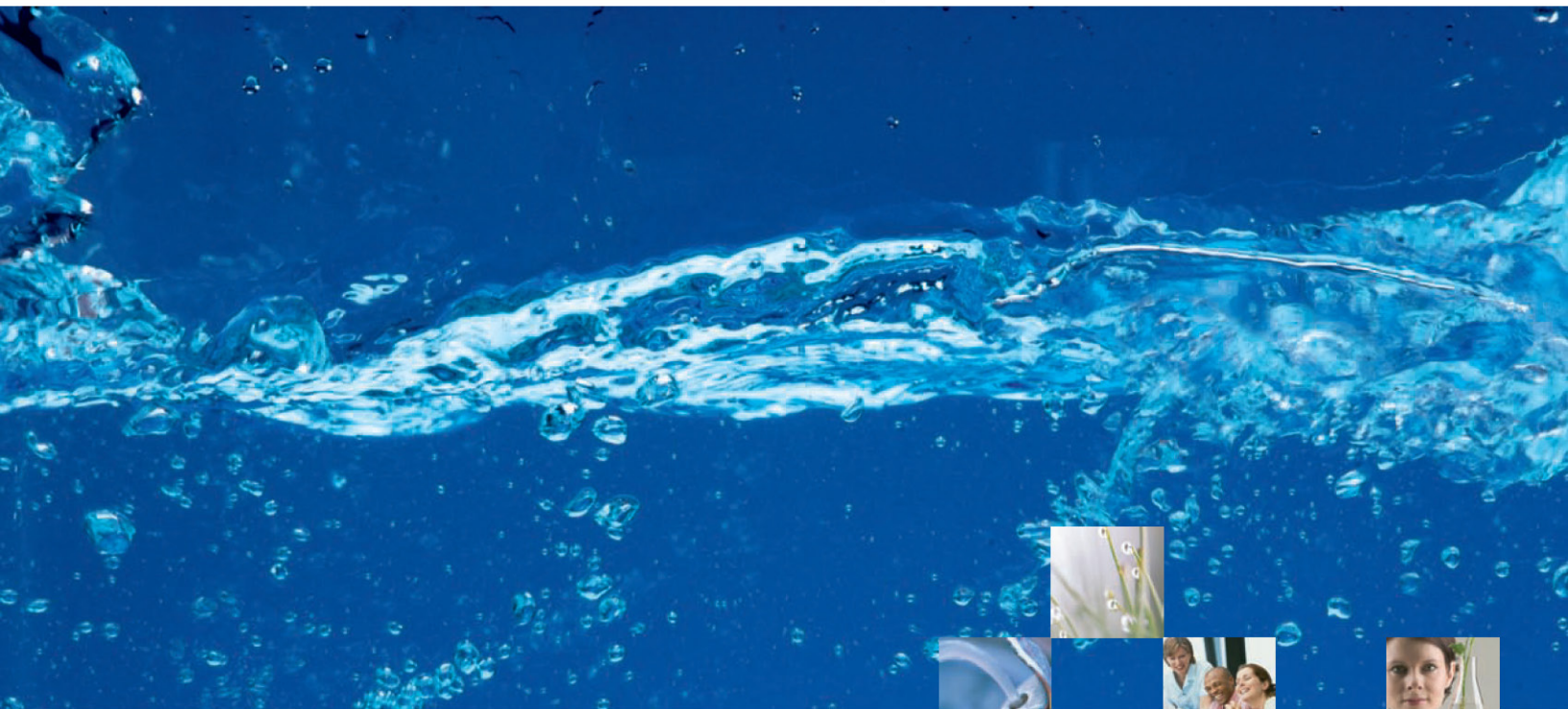


TRAVALAIR®



norweco®

Engineering the future of water
and wastewater treatment

A photograph of three business professionals in a meeting. A man with dark hair and glasses, wearing a dark suit, is leaning over a table. An older man with white hair and glasses, wearing a grey suit, is sitting at the table. A woman with blonde curly hair, wearing a grey blazer, is also sitting at the table. They are all looking at documents on the table. The background is a plain wall with a whiteboard that has some writing on it.

TRAVALAIR®

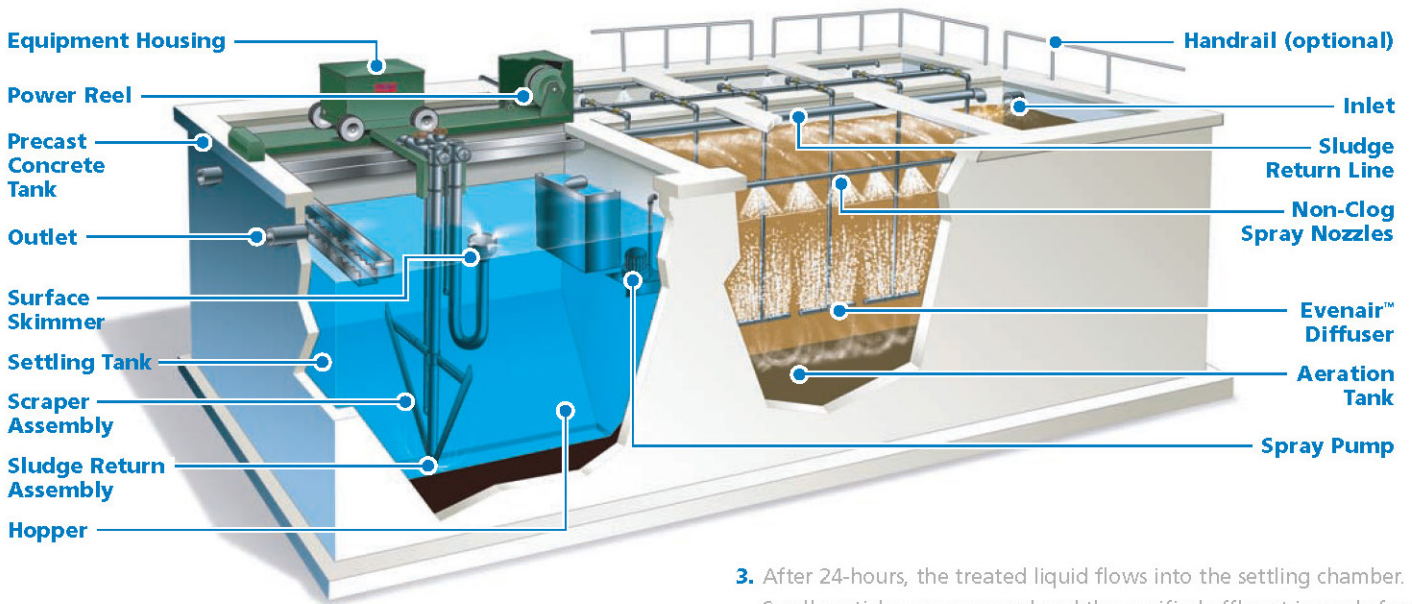
combines
state-of-the-art
design with ease
of operation

Whether you require a pollution control solution for a subdivision, shopping center, restaurant, motel, hotel or resort, park or any building located beyond sewer lines, the Norweco Travalair system is just what you need. It's the only system that provides continuous surface skimming, sludge pumping and sludge collection. Travalair uses microscopic organisms in the presence of oxygen to completely and automatically convert wastewater into a safe, clear, odorless effluent.

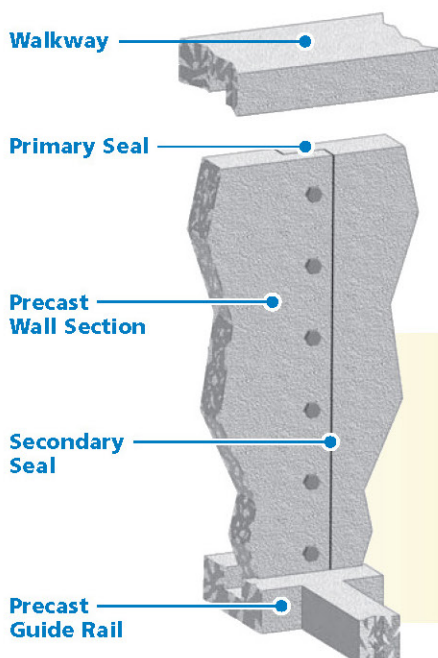
Travalair demonstrates our corporate slogan – providing progress though service since 1906 – by delivering total wastewater treatment while saving the operator's time and the owner's money. This brochure describes how Travalair works for you. Once you read all about it, you'll see why only Norweco provides today's answers for the protection of tomorrow's environment.

solutions in wastewater treatment

How Travalair® puts the extended aeration principle to work for you



1. Incoming sewage first passes through a conditioning device – your choice of an optional comminutor, bar screen or trash trap – that removes untreatable objects, preventing their entry into the aeration chamber.
2. Conditioned wastewater then enters the aeration chamber for a full 24-hour period, where aerobic bacteria destroy all organic matter. Norweco's exclusive Evenair diffusers installed in the chamber bottom mix these safe, aerobic bacteria and provide an even distribution of fresh oxygen to keep them alive, active and multiplying. Oxidation is complete.
3. After 24-hours, the treated liquid flows into the settling chamber. Small particles are removed and the purified effluent is ready for discharge. The lower sidewalls are slanted to form a hopper so that suspended particles settle to the bottom where the Travalair's scraper assembly scrapes them into a small area in the settling chamber's center. The Travalair pump picks these particles up and returns them to the aeration chamber for final treatment.
4. Only clear, highly treated water remains at the top of the settling chamber. It flows over the edge of the effluent weir, returning safely to the environment.
5. Operation is easy. Our OPERATOR'S MANUAL and periodic inspections by your local trained and certified Norweco distributor insure efficient performance.

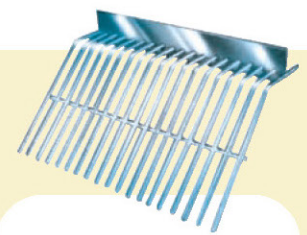


Optional Accessories:

- Comminutors or bar screens
- Pre-Treatment Tanks
- Sewage Lift Stations
- Gas, Liquid, or Dry Chlorinators
- Flow Meters and Recorders
- 7-Day Time Clocks
- Aerated and Non-Aerated Sludge Holding Tanks
- Tertiary Treatment Filters
- Galvanized Handrail



**Gravity Feeders
NSF/ANSI Std. 46**



Bar Screens

Like all corporations, we're concerned with hard data and balance sheets. But we are even more concerned with the values, vision and integrity required to serve you with today's answers for tomorrow's environment.

customer focus



How Travalair® reduces operating costs for you

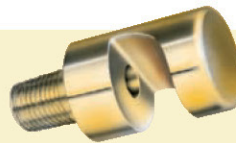
- Initial cost is low, installation is fast and easy and all system equipment is fully warranted.
- Sludge collection and return is continuous and automatic, so daily or weekly hopper scraping is eliminated.
- Additional capacity can be conveniently added for future expansion, for a total capacity up to 1,000,000 GPD.
- As settled sludge is pumped continuously back into the aeration chamber, the plant's surface skimming system continuously and automatically cleans the surface of the settling tank. The squeegee scrapes the hopper's slanted sidewalls, removing accumulated sludge from the tank's bottom and completely eliminates any need for manual hopper scraping.
- Travalair is easily serviced at grade. Its drive unit is installed inside a weatherproof cabinet. No tank pumping is required. No mechanical devices are installed inside the tank.
- Periodic maintenance and lubrication are quick and easy – no need for disassembly or special tools.
- Non-corrosive precast tanks – no pumping or repainting required; no anode packs.
- Non-clog Evenair diffusers eliminate periodic cleaning and reduce maintenance.
- All pipe is galvanized – no repainting or replacement necessary.
- Central control panel puts controls for automatic operation at your fingertips.
- All brass non-clog spray nozzles control foaming in the aeration chamber.
- Travalair's double seal joint construction is unequalled – reinforcing bolts are installed to lock adjoining wall sections together. A synthetic sealing strip establishes a primary seal and grout is then installed as a secondary seal. The joint itself provides structural stability that cannot be matched by poured in place concrete or steel tanks.
- Precast guide rails – an exclusive feature of Travalair – eliminate need for a concrete foundation slab before tank installation. All plant sidewalls are erected on these precast guide rails and finished tank floor is poured inside, eliminating any chance for leaky seals. Also, need for an expensive, conventional foundation slab is eliminated.
- Your local Norweco factory-trained and licensed distributor handles everything for you, from installation to training your operators and maintaining the system for you.



Bio-Logical® Tablets



Bio-Max® Tablets



**Non-Clog
Spray Nozzle**



**Seven Day
Time Clocks**



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 Travalair®

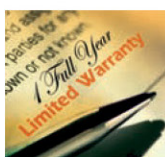
Your local Norweco distributor is fully trained to install your Travalair System and any other Norweco product you choose to protect your environment. All of our licensed distributors have completed a nationally accredited factory-training program.

The Travalair System is sold complete, including delivery, tank setting, equipment installation, plant start-up and service. A series of service and adjustment inspections are scheduled for the first year of operation at the time your system is installed, and a regular preventative maintenance program can also be 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.

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



comprehensive protection, guaranteed



Our Travalair Wastewater Treatment System is warranted against defective material and workmanship under normal use and service for one year from installation date. Your local Norweco distributor will tell you about the range of service policies that are available for continuing supervision and maintenance after that first year.

norweco[®]

*Engineering the future of water
and wastewater treatment*

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Norwalk, Ohio, U.S.A. 44857-1156
PH: 419.668.4471
FAX: 419.663.5440
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[®], Norweco.com[®], Singulair[®], Modulair[®], Travalair[®], Lift-Rail[®], Microsonic[®], Bio-Dynamic[®], Bio-Sanitizer[®], Bio-Neutralizer[®], Bio-Kinetic[®], Bio-Static[®], Bio-Gem[®], Bio-Regeneration[®], Bio-Perc[®], Blue Crystal[®], ClearCheck[®], ChemCheck[®], Service Pro[®], Grease Buster[®] and "BUSTER" logo are all registered trademarks of Norwalk Wastewater Equipment Company, Inc.