DE NORA
our research - your future

Tablet Feed Systems

Chlorination and Dechlorination

De Nora Water Technologies offers a full line of erosion chlorination and dechlorination systems featuring superior performance at reduced costs.

The systems are designed to treat capacities up to 50,000 gallons per day (gpd) or 189.3 cubic meters per day (m^3/d) and feature no moving parts and do not require electricity or an auxiliary water supply. The systems require minimal maintenance and supervision, making them ideal for remote installations. The tablet feeders are made of tough, UV stabilized, corrosion resistant rotomolded polyethylene.

The tablet feed systems are specifically designed for dispensing De Nora Water Technologies' SANURIL® and AQUAWARD® chlorination tablets and D-Chlor™ dechlorination tablets; eliminating the need to mix chemicals on-site, prepare chemical solutions, or store and handle toxic gases. De Nora Water Technologies' chlorination and dechlorination tablets can also be used in other tablet feed systems. Tablet feed systems can be used in any application and/or system where chlorination and dechlorination are required.

Typical Installations

- Housing developments
- Highway rest stops
- Trailer parks
- Individual homes
- Offshore drilling platforms
- Rural drinking water systems
- Schools
- Campgrounds
- Cruise ships
- Motels
- Cooling towers

Chlorination and Dechlorination Tablets

De Nora Water Technologies offers the SANURIL® and AQUAWARD® chlorination tablets and D-Chlor™ dechlorination tablets. The tablets are specifically design to work in any model of erosion tablet feeder offered by De Nora Water Technologies as well as other types of tablet feed systems. Consult the factory when using De Nora Water Technologies' chlorination and dechlorination tablets in a non-De Nora Water Technologies tablet feed system.

Application	SANURIL®	AQUAWARD®	D-Chlor™
Package Treatment Plants	•	•	•
Contact Stabilization Ponds	•	•	•
Home Aerobic Plants	•	•	•
Septic Tanks/Sand Filter Systems	•	•	•
Lagoon/Oxidation Ponds	•	•	•
Physical/Chemical Plants	•	•	•
Spray Irrigation Systems	•	•	•
Marine Sanitation Systems	•	•	•
Cooling Towers	•	•	•
Drinking Water Systems (unpressurized)		•	

SANURIL® Chlorination Tablets for Wastewater

SANURIL® chlorination tablets safely and easily provide a patented disinfecting agent formulated for wastewater treatment applications. In addition to chlorine, SANURIL® tablets now contain an added active ingredient which provides bromine, another halogen used extensively for disinfection. The calcium hypochlorite and bromine tablets offer the advantage of broader organism kill, rapid and efficient bacteria kill.

The tablet is stable and provides a uniformed, controlled dissolve rate proportional to flow variations. The large tablet form is less hazardous and easier to handle than granular forms of chlorination. The tablet features a long shelf life, showing minimal chlorine loss after more than one year of storage.

SANURIL® tablets are dispensed into a water stream from a specially designed, low cost tablet feeder offered by De Nora Water Technologies to meet a variety of capacity ranges.

Specification

- Calcium Hypochlorite and Bromine Content: 70% minimum
- EPA Registration Number: 48482-2
- Product Form: Tablet
- Dimensions: 2 5/8" diameter x 13/16" thick
- Weight: approximately 5 ounces (140 grams)
- Dissolve rate: 8-12 g/hr, 10 g/hr typical
- Stability: no breaking or crumbling
- Water absorption: no wicking or leaching
- Packaging: 25-lb plastic pail, 45-lb plastic pail or 100-lb fiber drum
- All containers comply with DOT specifications; the 25- and 45-lb pails are to DOT specification 35, 100-lb drums are to DOT specification 21C.

CAUTION: SANURIL® tablets can not be transported via air freight in the Continental United States. SANURIL® is a strong oxidizing agent and care should be taken in handling and storing the product. Additional warning statements and specific instructions on using, handling and storing SANURIL® are contained on the product label and material safety data.

AQUAWARD® Chlorination Tablets for Drinking Water

AQUAWARD® chlorination tablets safely and simply provide a disinfecting agent for drinking water treatment. AQUAWARD® tablets are dispensed into a water stream from a specially designed, low cost tablet feeder offered by De Nora Water Technologies to meet a variety of capacity ranges.

AQUAWARD® chlorination tablets maintain a tightly controlled dissolve rate without breaking, wicking and leaching. The tablets are also registered with the EPA for use in drinking water applications.

The AQUAWARD® tablets are 70% chlorine, the highest strength table commercially available. The tablet is stable and provides a uniformed, controlled dissolve rate proportional to flow variations. The large tablet form is less hazardous and easier to handle than granular forms of chlorination. The tablet features a long shelf life, showing minimal chlorine loss after more than one year of storage.

Specification

- Calcium Hypochlorite Chlorine Content: 70% minimum
- EPA Registration Number: 48482-2
- Product Form: Tablet
- Dimensions: 2 5/8" diameter x 13/16" thick
- Weight: approximately 5 ounces (140 grams)
- Density: 83 lbs./ft.3
- Stability: no breaking or crumbling
- Water absorption: no wicking or leaching
- Packaging: 25-lb plastic pail, 45-lb plastic pail or 100-lb fiber drum

CAUTION: AQUAWARD® tablets can not be transported via air freight in the Continental United States. AQUAWARD® is a strong oxidizing agent and care should be taken in handling and storing the product. Additional warning statements and specific instructions on using, handling and storing AQUAWARD® are contained on the product label and material safety data.

D-Chlor™ Dechlorination Tablets

D-Chlor™ dechlorination tablets are ideal for use in applications that do not require a chlorine residual in the discharge. These tablets are the safest, most convenient forms of handling reducing agents. The dangers and problems typically associated with the use of sulfur dioxide gas systems are avoided through the use of D-Chlor™ tablets. D-Chlor™ tablets are dispensed into a water stream from a specially designed, low cost tablet feeder offered by De Nora Water Technologies to meet a variety of capacity ranges.

D-Chlor™ dechlorination tablets can be used to neutralize free chlorine from gas chlorination, hypochlorite as well as tablet feed systems.

Using a proprietary process, the D-Chlor™ tablets have been specially formulated to dissolve at a controlled rate allowing a precise amount of sulfite to be added to the water as it flows through the tablet feeder and comes in contact with the tablets. This results in a contact sulfite concentration in the treated water, despite fluctuations in flow rate. In certain applications, D-Chlor™ tablets can operate for several months unattended between refills.

Specification

- Active Ingredient: Sodium Sulfite (Na_2SO_3) 92.3% plus moisture
- Inert Ingredients: 7.7%
- Product Form: Tablet
- Dimensions: 2 5/8" diameter x 13/16" thick
- Weight: approximately 5 ounces (140 grams)
- Density: 2.0 grams/cc, approximately
- Color: Pale Green
- Fragrance: Pine

CAUTION: D-Chlor™ is not rated as hazardous substance by the EPA. Unused material not designated a hazardous waste by RCRA. Not rated hazardous by DOT. Store in a cool, dry place away from acids and oxidizers. Do not allow this product to come in contact with chlorination tablets, granules, or pellets. Wash hands after handling.

Tablet Feed Systems

Each tablet feed model is a one-piece system which operates on the flow-through principle to provide a constant, controlled and highly reliable dosage of chlorination in potable water applications or to the effluent of wastewater applications. The systems can also be used in applications requiring the dechlorination of wastewater.

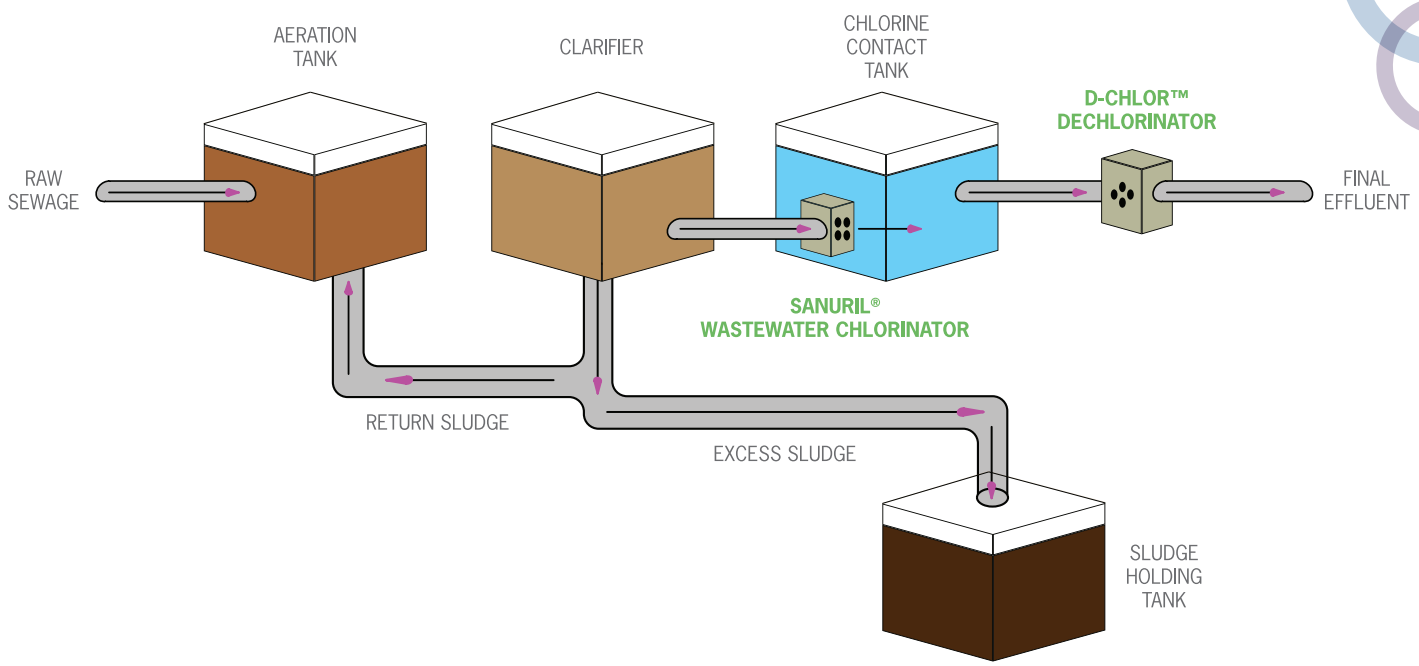
Tablet Feed Systems				
Model*	Flow Rate (gpd)**	Tablet Feeder (L x W x D Inches)	Feed Tube (L x D Inches)	Inlet/Outlet (Inches)
200	< 1,500	21 x 8 x 10	24 x 3.5	4/4
A200	Up to 10,000	20.25 x 12 x 26.75	24 x 3.5	4/4
100	Up to 10,000	21 x 8 x 9	24 x 3.5	4/Weir
1000	Up to 50,000	26 x 18 x 16	24 x 3.5	6/Weir
1001	Up to 50,000	26 x 18 x 16	24 x 3.5	Custom/6

* All systems are designed to handle approximately 2- to 2.5-times their design capacity at peak flows, where duration of peak flow is about 4 hours.

** Flow rate based on designed capacity and does not include capacities installed in parallel and/or by-pass arrangement. Units can be installed on by-pass for greater control of chemical delivery (drinking water applications) or high flow operations (dechlorination). Two or more units can be installed in parallel to accommodate larger flow rates (maximum of 100,000 gpd or 378.5 m^3/d).

All systems carry a ten year warranty, applicable only of the proper tablets and operating directions are used and followed.

Typical Tablet Feed System for Chlorination/Dechlorination Installation



WATER MADE EASY

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DE NORA
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