



# TITUS® TWISTER®

MIXING AERATOR

CHEMICAL FREE ODOR AND F.O.G. CONTROL



PATENTS:  
US9533900  
CA2909759A1

## TITUS® TWISTER® APPLICATIONS

- Odor & F.O.G. Control
- Disinfection
- Wastewater & Stormwater
- Pump and Lift Stations
- Pretreatment Manholes
- Wastewater Treatment Plants
- Decentralized Wastewater Systems

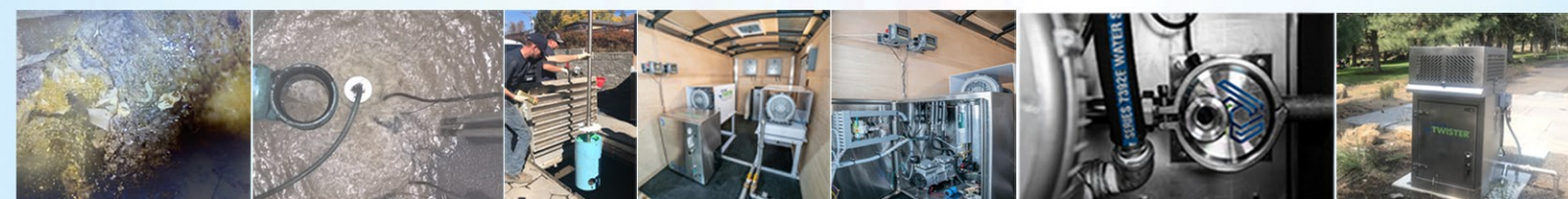
## TITUS® TWISTER® ADVANTAGES

- Resolves fat, oil and grease issues
- Reduces odors
- Prevents corrosion
- Keeps solids suspended
- Easy to install, operate and maintain
- Eliminates or reduces need for chemicals
- Extends life cycle of pumps and equipment

## PATENTED TITUS® TWISTER® TECHNOLOGY



1. Air is generated by a properly sized, regenerative blower located in the enclosure.
2. The air is delivered via EPDM hose or stainless steel piping down through the manifold. For enhanced odor control, ozone may be introduced to the water column during this phase of the process.
3. Openings in the manifold create air bubbles, which transfer oxygen into the liquid.
4. A vortex and air lift column is created within the barrel which forces liquid and solid materials to draw up into the static HDPE shear blades and flow deflector plate. Solids are broken up and directed back into the cycle.
5. Liquid and solid materials are continuously drawn in through ports located at the bottom of the barrel, resulting in constant suspension of materials within the structure.



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to join the TITUS® team as a  
TITUS® Twister® Mixing Aerator Distributor!**



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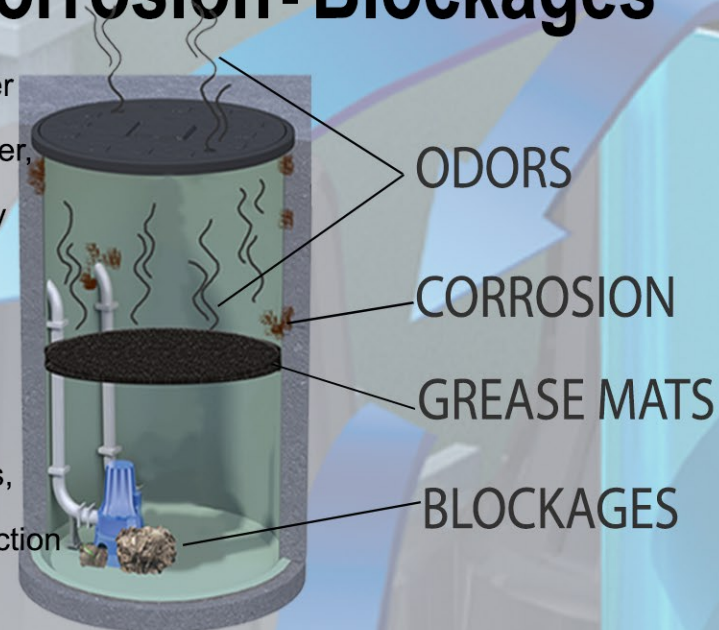




## THE CHALLENGES

### Odor • Fats • Oil • Grease • Corrosion • Blockages

High levels of hydrogen sulfide (H<sub>2</sub>S) gases, acids and other chemicals produced from municipal and industrial wastewater, if left untreated, can cause odors, corrosion and other safety concerns. In addition, fats, oils, greases (F.O.G.), inorganic solids, pharmaceuticals and water borne pathogens impact overall “health” of collection systems. Problematic waste streams from breweries, restaurants, food processing plants, and industrial discharges creates challenges for entire collection systems and wastewater treatment plants.



## THE SOLUTION

### TITUS® Twister® Mixing Aerator

The TITUS® Twister® provides **CHEMICAL FREE**, effective mixing, mechanical breakdown of solids, and the proper aerobic conditions for wastewater pre-treatment.

The TITUS® Twister's® patented design incorporates air lift technology with specially designed HDPE blades, stainless steel components, high quality blowers, protective enclosures and optional ozone generators.



## CHEMICAL FREE ODOR & F.O.G. CONTROL

### DR SERIES

The “DR” Series generates up to 7 grams/hour of ozone, depending on conditions. Effective on typical collection system conveyance structures.

### TS SERIES

The “TS” Series is a collection of adjustable ozone generators. A variety of models are available, capable of providing ozone output of 2 to 40 grams/hour. Perfect for applications with extreme or varying odor issues.

### CUSTOM

Custom TITUS® Twisters® are designed to meet a variety of conditions and applications and can include ozone generation over 40 grams/hour, project specific blowers, custom heads and/or various enclosure options.

*Ozone enhanced systems offer an effective, safe, natural, solution for odor and F.O.G. challenges.*

- Project specific design and sizing
- Efficient Corona Discharge Generation Technology
- Safety Monitoring Devices
- Adjustable Ozone Output
- Temperature & Humidity Climate Controlled
- Secure, Durable Enclosures

“The smell is gone! Thank you to those who made the decision to create a plan and execute it, using a TITUS® Twister®, eliminating the stench in our neighborhood!”

-M. Testerman, Resident, Bend OR

“For 13 years we have been searching for ways to control odor and FOG, other than chemicals and costly carbon scrubbers. Since installing a TITUS® Twister® our odors and FOG are gone!”

-T. Bybee, Supervisor, Yuba City