

99.95% F.O.G. Removal



Little John Digester 100% Money Back Guarantee



MCINTIRE MANAGEMENT GROUP
Representing only the Best



Little John Digester

The Little John Digester is a state-of-the-art system that injects air through a specially designed manifold system constructed of heavy-duty non-corrosive material. Atop of this specialized manifold are stationary ridges or blades. As the air travels up and through the digester cylinder, a void is created. With this Venturi effect, solids are pulled in through the bottom of the digester and across the stationary blades or ridges at the top of the unit. As the Venturi effect pulls solids up to 65 feet per second the solids are immediately broken down upon contact with the stationary ridges on top of the digester into micro-fine particulates. Once mechanically broken down the particulates are further treated with our oxidation process resulting in non-reforming grease. Ozone can also be injected in this cylinder, which further facilitates the digestion process of raw sewage before it enters the wastewater plant. The Little John Digester uses THREE means of digestion: mechanical, chemical and biological.



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“we are exceptionally pleased with the equipment and its’ performance.”

-Falcon Heights Water & Sewer District

“The Little John Digester has proven to remove 99.95% of FOG deposits and H2S Found in grease traps and lift Stations.”.

-Dr. J.H. Wakefield
Consulting Chemical & Environmental Engineer/

“The Little John was paid for within six months because we were able to totally eliminate the chlorination into the sewer lines.”

-Falcon Heights Water



Digester Process

Chemical Digestion

We recycle the existing cleaning chemicals found in grease traps and lift stations such as soaps, detergents, degreasers, stain removal solvents, drain cleaners, fabric softeners and all of the other house hold cleaners that are discarded down the drain. Once discarded, these unused household chemicals become stratified or separated in the water column within the lift station and have little to no effect in the digestion process.

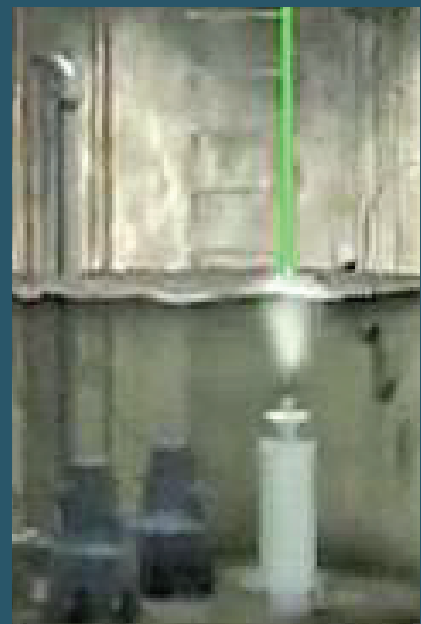
We have a unique way of blending all these existing chemicals / components together to further break down the grease and other matting which occurs naturally in lift stations. This is a key component of our Green Technology, recycling. It is estimated that the chemical digestion accounts for 20 to 25 % of the digestion that will be occurring in the lift station after the Little John Digester is installed.

Mechanical Digestion

The mechanical process works by continuously moving the solids at speeds up to 65 feet per second, and accounts for approximately 70% of the digestion process component of our Green Technology.

Biological Digestion

The biological digestion is further enhanced by reducing the BOD and COD. By continuously injecting 45 to 50 cfm of warm fresh air into the water column, we are able to stimulate or enhance the activity of the microbes / Bugs. This enhancement of the aerobic environment further propagates good bacteria growth. It is estimated that this portion of the digestion process may account for 10 to 15% of the digestive process.



Before Installation



1 Hour *AFTER* Installation of the Little John Digester



Features

- Removes F.O.G. (Fats, Oils, & Grease)
- No Moving Parts
- Pretreats Sewage by Up To 65%
- Removes Sludge Build UP
- Removes V.O.C.'s and Heavy Metals
- Eliminates Grease Build Up and Matting
- Reduces H2S Gas
- Reduces Pumping of Wet Wells & Lift Stations
- Heavy Duty Non Corrosive Construction
- No Chemical Additives Necessary
- Extremely Low Noise Levels
- No Petroleum Lubricants



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