

Drain Maintenance

***The Results are
Easy To See...***



***Worry Free Drain
Maintenance!***



Your Facility's Drainage System



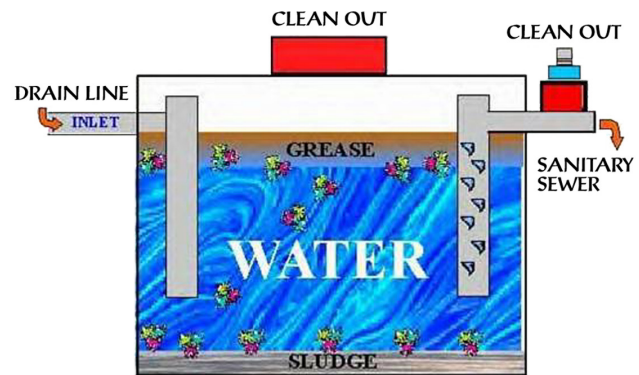
- **Floor Drains**
- **Kitchen**
- **Washroom Drains**
- **Shop Sinks**
- **Shower Drains**
- **Laundry Room Drains**
- **Garbage Disposals**
- **Exterior Drains**
- **Septic Tanks**
- **Grease Traps**
- **Lift Stations**

The Function of a Grease Trap

- Grease traps slow down the flow of the hot, greasy water and allow it to cool.
- Grease, oil and fat separate and float to the top.
- Solid waste falls to the bottom and decomposes.
- Grease, oil and fat are trapped by BAFFLES or WEIRS that cover the inlet and outlet of the tank, preventing grease from flowing out.
- The water continues to flow down the pipe to the sewer.

Two (2) Types of Grease Traps

- Small inside grease interceptors located in the floor.
- Larger outside grease traps located underground.



The Challenges

TYPICAL PROBLEMS WITH GREASE TRAP SYSTEMS

Foul Odors

Strong odors are caused by food particles decomposing inside the drain lines and on top of the hardened grease layer in the grease trap. In a properly maintained trap, food particles descend to the bottom where the water covers the odor.

Back Ups

Grease, oil, fat and food particles clog drain lines and grease traps. This is caused by excessive dumping of waste into the sink and floor drains, resulting in filthy snaking and downtime.

Frequent Manual Cleaning of Grease Interceptors Expensive and Ineffective Grease Trap Pump

Pumping does not remove grease buildup inside the drains and leaves behind crusted grease on the walls of the trap, which leads to more frequent pumping.

Fines

- Improper disposal of grease, fat and oils results in fines or extra taxes.
- The local water authorities are becoming more and more stringent in their enforcement laws pertaining to the levels of F.O.G.'s*, B.O.D.'s* and C.O.D.'s* emitted by businesses into municipal sewer lines.

*F.O.G.s: Fats, Oils and Grease

*B.O.D.s: Biological Oxygen Demands

*C.O.D.s: Chemical Oxygen Demands

Potential Environmental Hazard

Improper disposal of grease causes potential environmental problems.

A Cost Savings Solution

THE CHROMATE DRAIN MAINTENANCE PROGRAM... SAVES YOU MONEY

Reduces Costly Grease Trap Pumping and Eliminates Manual Cleaning

- Mechanical Cleanings are not normally performed by Master Plumbers. Fewer pump outs are required because less solid waste accumulates in the grease trap. **N-Zyme Drain Maintenance™** liquefies crust deposits in the grease trap, making pump outs more efficient, and eliminating messy manual cleaning.

Prevents Future Problems

- **N-Zyme Drain Maintenance™** residual coats the drain to prevent future buildup of organic waste.

Eliminates Foul Odors

- Odor-causing particles pass through the soft grease layer and decompose at the bottom of the trap where no odor is released.
- **N-Zyme Drain Maintenance™** also contains a strong deodorizer.

Reduces Fines and Environmental Pollution

- Solid waste is transformed into a non-hazardous, water-soluble solution that flows easily to the sewer system.
- The outflow of B.O.D.'s and C.O.D.'s and F.O.G.'s is reduced, avoiding costly pollution surcharges.

Proper Usage is Vital to Success

IMPROPER USE OF BACTERIAL DRAIN MANAGEMENT IN THE PAST CAUSED A POOR EXPERIENCE WITH THESE TYPES OF PRODUCTS

Lack of Technical Expertise

- Most companies deliver customers weak or dead bacteria that are completely ineffective.
- Most products only contain enzymes, which break up and liquefy grease and then send the problem down the drain.

Ineffective Application

- Most biological products are applied manually under the wrong conditions and the wrong time.
- Bacteria/Enzyme products are ineffective when applied with disinfectant and hot water.

Limited Potency

- Most products do not include **LIPASE**-producing bacteria that digest grease, fat, and oil: the biggest problem in your grease trap.
- Conventional products only utilize **Aerobic Bacteria** (bacteria requiring oxygen for digestion) and not **Anaerobic Bacteria** (not requiring oxygen for digestion). This renders them ineffective in the oxygen-depleted water phase of the grease trap. Sludge accumulated under the water levels does not get digested and liquefied.

Here's How It's Supposed To Work

ENZYMES WORK AS A CATALYST FOR BACTERIA BY PREDIGESTING ORGANIC WASTE

Enzymes are the "knives and forks" for bacteria

- They break up and emulsify grease and organic waste so the bacteria are able to digest it.
- At the same time, the bacteria constantly release enzymes from their bodies into the environment, which prepare additional pre-digested waste.

Creating the "Eating Machine"

- As the bacteria digest grease and organic waste, they are nourished and reproduce. In turn, they produce more enzymes, facilitating further digestion.
- This cycle gains momentum. The result is a thriving, reproducing, bacterial colony or "Eating Machine".

About the Product

**USE OUR RED LION BRAND, ADVANCED BIOLOGICAL DRAIN MAINTAINER...
N-ZYME™ DRAIN MAINTENANCE.**

**PREVENTATIVE MAINTENANCE OF
YOUR GREASE TRAP AND DRAIN LINES
ELIMINATES COSTLY BACK UPS!**

N-Zyme™ Drain Maintenance

- Maintainer for preventative maintenance
- Non-acid / Non-caustic / Non-toxic
- Safe bacteria dissolves organic wastes
- Dissolves: Grease, fats, oil, starches
- Effective for use in: Sinks, drains, grease traps, septic tanks and drain fields

N-Zyme™ Drain Maintenance eliminates backups, foul odors, and reduces costly pump outs. The system delivers enzymes and bacteria that attacks grease, fat, oil, food waste and paper to ensure a free-flowing drain system.

- Agriculture
- Apartments
- Cafeterias
- Food Processing
- Hospitals
- Hotels
- Manufacturing
- Municipalities
- Office Buildings
- Restaurants
- Schools
- Restores and maintains free-flowing drain and grease trap systems.
- Reduces costly pump outs by at least half.
- Minimizes filthy manual cleaning of drain lines and grease interceptors.
- Eliminates foul odors.
- Protects and prevents future waste buildup in the pipes.
- Lowers B.O.D., C.O.D. and F.O.G. levels to avoid costly polluter surcharges.
- Safe to use and will not harm pipes.
- Consumes grease, fat, oil, food waste and paper. Removes waste from all areas of the drain line, grease trap and septic system; Aerobic and anaerobic bacteria work with or without oxygen to remove deposits in all parts of your drain lines.

The Specifics

**RAPIDLY REPRODUCING BACTERIA
SPEED UP CLEANING!**

Time	Bacteria Count
1 hour	8
3 hours	500
5 hours	250,000
7 hours	2,000,000
9 hours	130,000,000
11 hours	8,500,000,000
12 hours	over 60 billion!

Worry Free Application

**THE DRAIN MANAGER PUMP ENSURES
THAT YOUR DRAIN MAINTAINER IS
APPLIED AT THE RIGHT TIME AND
UNDER THE BEST CONDITIONS**

Drain Manager Dispensing Pump

- Automatically dispenses product
- 3.5 ounces per minute flow rate
- Durable ABS Case with keyed lock
- AC or battery pack power sources
- Programmable timer



P/N 1816



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