

ALUZYME

THE SOLUTION FOR DRAINAGE PROBLEMS



- ⇒ RIDS DRAINS OF GREASE AND BLOCKAGES
- ⇒ ENHANCES PERFORMANCE OF TREATMENT PLANTS AND SEPTIC TANKS
- ⇒ AUTOMATIC - MINIMISES MANUAL MAINTENANCE
- ⇒ SAFE, READY TO USE, SIMPLE AND UNOBTRUSIVE
- ⇒ BEST VALUE PRODUCT



ALUZYME THE SENSIBLE APPROACH TO DRAIN MAINTENANCE



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ALUZYME

THE SOLUTION TO DRAINAGE PROBLEMS

Why am I reading this?

Probably because you have a drainage problem which is inconvenient and costly to solve.

Perhaps you are a conscientious professional wishing to ensure that your client has the best advice and solution for the maintenance of his drainage system?

To keep abreast of best practices and local authority requirements.

Comment: "Our managers and operatives will not look after drains."

Response: *This is a common statement from our customers. A lack of proper maintenance of drainage systems leads to expensive drainage clearing charges and to ever increasing prosecutions and fines for causing pollution. To help prevent these problems and assist responsible staff, our dosing system is simple to install and is cost-effective.*

Inbuilt maintenance checks, training and service care help to encourage collective responsibility for proper drain usage.

Comment: "Drains are not our problem." (Passing the buck)

Response: *Good drainage management is everyone's responsibility and should be looked on as a team effort to ensure that the company avoids any risk of fines or potential costs due to negligence.*

Training staff in the care of waste systems is a simple and wise precaution which could save money in the long term.

Comment: "Why Aluzyme?"

Response: *Aluline has many strains and strengths of liquid available and each has its proper application. If you are using the wrong product you may find that you need to use more liquid daily and this can prove to be uneconomical. You may not be making a saving, particularly if the supplier is not experienced and has not given you the advice you may need. If you do not have care and maintenance backup from your supplier, you could face problems with your system in the future.*

Aluline has the experience to recommend the correct type of product. All our systems are regularly monitored by our Customer Care Department. Our engineers can visit our customers to check that their system is continuing to operate effectively.



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Scenarios

A. Waste Disposal Systems

In some premises waste disposal systems are used to dispose of all foodstuffs straight into the drainage system. It is commonly thought that this method saves on disposal into waste bins and avoids the risk of smells or flies.

Result

Grease traps block if they are not cleaned on a daily basis.

The pipes in the system are coated with oil, grease and food waste and this causes restrictions in the pipes which are then easily choked.

If the Local Authority implements charges based on solids content, costs may arise for disposal.

If grease and oil exceed the local water authority discharge guidelines, prosecution and fines are a probability.

B. Failure to use filters in sink wastes

It is well worth taking the small precaution of using filters to ensure minimum food waste entry into the drainage system

C. Relying on some supplier's assurances and assumptions

Even when dealing with a major supplier your initial contact will probably be a salesman. It may not be in a salesman's interest to give you comprehensive information about alternatives that can be disposed of in drainage systems. Manufacturers' recommendations are only a guideline for use and may not apply to specific problems. Be aware also of differences. Mineral products can be soluble but they are not biodegradable.

To be biodegradable a product must be of organic content. It is the responsibility of every company to survey its own premises, compile its own risk assessment in house and have COSHH records for every product used on its premises.

D. Manufacturer claims

Claims such as "Does not accumulate in the environment"

"Friendly to the environment", "Environmentally stable",

"Will not harm the environment" are commonly made by some manufacturers.

Risk assessment should contain information on the effect that chemicals, disposed of in the drains, will have on the bio-system as well as on health and safety. Will they affect B.O.D. / C.O.D. (Biological Oxygen Demand / Chemical Oxygen Demand) levels? Will they help with S.S. (Suspended Solids) content? These are concerns that will impact on all business in the 2nd millennium.

Aluline continues to investigate and seek solutions to the practical day-to-day concerns of its customers. Our objective is to anticipate the needs of our customers by constant awareness of their problems.

If you would like to contact us about any of your drainage concerns or take advantage of our expertise, just give our Customer Care Line a call.

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ALUZYME

HIGH PERFORMANCE MICROBIAL LIQUID

ALUZYME -Solves the drainage problems caused by grease in commercial kitchens. Drain problems can no longer be solved by pouring harsh caustic chemicals or acids down the drain. This is dangerous for the user and the environment and detrimental to plumbing. Aluline has made great advances in overcoming these barriers by natural means and created the high performance solution -**ALUZYME**

HOW IT WORKS

This high performance biological liquid is dosed daily into the drainage system. At the end of each working day a pre-determined volume of **ALUZYME** is automatically dispensed into the drainage system by a timed peristaltic pump (DNI Automatic Dosing Station). The innovative microbial technology of the Aluzyme liquid converts grease into carbon dioxide and water.

APPLICATIONS

For drainage systems incorporating grease traps and/or pumping stations en-route to a package treatment plant or main sewer.

- .drainage systems
- .grease traps
- .pumping stations



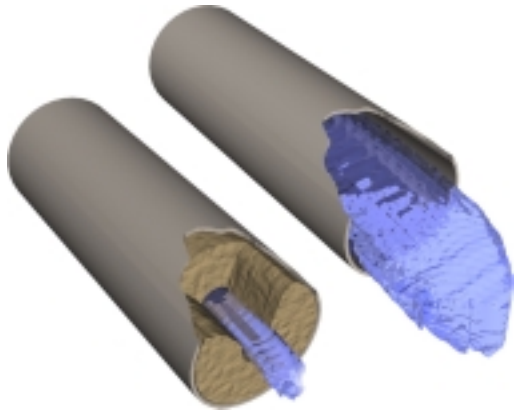
DN1 DOSING STATION
130 X 185 X 140mm (high)

ALUZYME 20kg DRUM
290 X 250 X 380mm (high)

WHAT IT DOES

ALUZYME is able to remove fat and grease deposits because it contains millions of naturally occurring micro-organisms which degrade fats and grease overnight to leave the drainage system flowing and odour free. It also optimises the performance of treatment plants and enhances the quality of effluent. Consistent treatment with **ALUZYME** can reduce the Biological Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and the Total Suspended Solids (TSS).





SIMPLE INSTALLATION

The installation of the ALUZYME DN1 dosing station is simple. All you require is:

- .5 amp electrical supply
- .small space under kitchen workbench

The ALUZYME DN1 dosing station has a water resistant enclosure and is ideal for installation in the kitchen. To ensure maximum results we recommend that the unit is connected to the waste pipe after the last discharge point (usually a sink) just ahead of the grease trap. If there is no grease trap the unit should be connected to the waste pipe after the P trap. A simple connector is supplied with the installation kit. Normal use of dishwashing liquids and detergents do not harm Aluzyme but for optimum performance we recommend that dishwashing machines by-pass the grease trap.

HOT TIPS TO MAXIMISE ALUZYME BENEFITS

- connect dishwasher to bypass grease trap
- do not allow peelings & food scraps into drainage system .
- use sink filter
- proper managed drainage maintenance



CUSTOMER CARE

The **ALUZYME** dosing system requires no user maintenance. In addition, Aluline provides a free maintenance service to **ALUZYME** users. Within two months of installation of an **ALUZYME** unit a qualified engineer will visit to ensure that the system is operational and working correctly. Premises using **ALUZYME** are visited on an ad-hoc basis to check the system. Effective operation is monitored by our Customer Care Department. A free customer staff training programme is available for users of **ALUZYME** and Aluline staff are always happy to answer questions and give advice for optimum system performance.

As a company we care about our customers and the environment. **ALUZYME** is a biological product certified non-pathogenic. It does not represent any danger to health or hygiene. It is safe for septic systems and safe for the environment. With increasing environmental pressure in all sectors of industry, a move towards the natural **ALUZYME** solution is a sound investment for the future.

SECRETS OF SUCCESS

Here are the reasons why you should choose to benefit from our experience:

- ◆ **unique multi-cultural bacterial liquid which out performs single culture products**
- ◆ **consistent, reliable performance every time**
- ◆ **no user maintenance - automatic dosing**
- ◆ **cost effective-1 product for many applications**
- ◆ **free service maintenance, customer care and customer staff training**
- ◆ **safe to use -safe for the environment**
- ◆ **proven track record**

Good for the environment



Alu F Supplement

The Easiest Way to Keep Drainage Systems Out of Trouble

Drainage should be out of sight and out of mind. The last thing a restaurant owner wants to encounter is drain odours and sinks backing up within his establishment - even worse within the kitchen area. Consider the health and Safety implications, the reaction of the customers and the local environmental health officer.

Alu F supplement for drains serves as both a cure and preventative maintenance for problem systems.

Alu F supplement for Drains is a patented powder that helps break down oil and grease into harmless elements like water and carbon dioxide. It is applied to the drainage system at the end of each day.

Technically Speaking

Tiny, single-celled microorganisms living in the drainage system (bio-film) receive energy to live from the wastes that enter the system. They secrete enzymes that break down oil, grease and other organic matter into molecular foods that can be absorbed through the microbe's cell wall. Carbon makes up a large fraction of the total protoplasmic material of a microbial cell. In addition to carbon, cell material is mainly composed of hydrogen, oxygen and nitrogen.

Carbon is supplied by the oil and grease in the system. Hydrogen and oxygen are supplied by water. Usually the nutrients in short supply are nitrogen, phosphorus or both.

Without these elements, the microbial population becomes weak and unable to thoroughly degrade oil and grease. When this happens, the system overloads, resulting in foul odours and a backed-up-system.

Alu F supplement for Drains provides the essential nutrients required to generate a microbial population so strong it can consume complex wastes faster than they accumulate. Regular use of Alu F supplement for Drains will reduce drainage problems for the long term.

Features

- * Reduces buildup in tank and pipes.
- * Reduces or eliminates the need for jetting.
- * Lowers BOD.
- * Reduces cost.



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