

**Alu-Care  
Peace of Mind  
Service  
UK  
Cover**



**The Alu-Care Service Guarantee covers the contractor & the customer. Supplied free for the first year it includes :**

**Regular on site monitoring of our installed equipment.**

**Comprehensive equipment Guarantee.**

**Three levels of service contract available:**

- **Platinum**
- **Silver**
- **Gold**

**Installation/Maintenance Manuals Included with every purchase**

**Custom GreaseTrap & Treatment Plants Built to Your Specification**

**Free Telephone Support on all our Products**

**Health and Safety Information on Kitchen awareness and Hazards**

**Call us now, our Advice is free!**



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# Port & Marine Drainage

**Waste Removal At Source in Galleies**



Working For The Environment

**Aluline**





# Compliance with Part H Drainage Regulations 2002

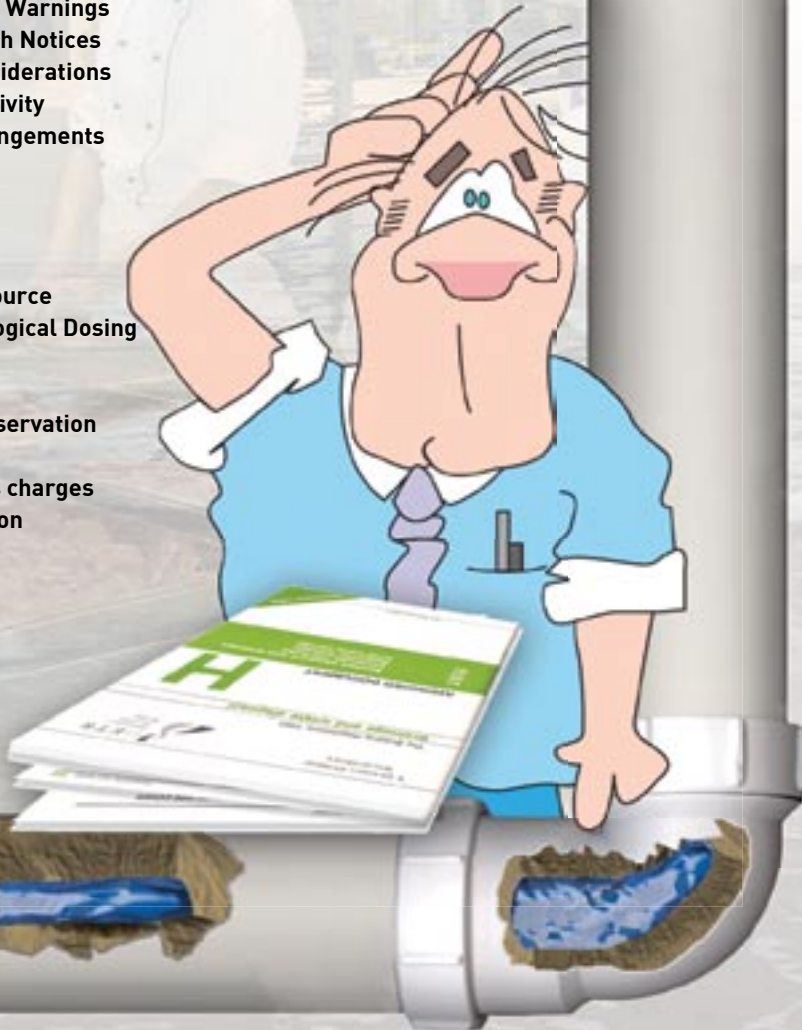
Current Building Regulations state that commercial hot food premises must have grease interceptors installed to prevent the discharge of F.O.G (Foods, Oils & Grease), into municipal sewerage system.

## Problems?

F.O.G. Fats, Oil and Grease Blockages  
Scale build up  
Treatment Plant Failure  
Water Authority Charges  
Environment Agency Warnings  
Environmental Health Notices  
Waste Disposal Considerations  
Increased rodent activity  
Health & Safety Infringements  
Toilet Odours  
Water Costs

## Our Solutions!

Waste Removal at Source  
Grease Traps & Biological Dosing  
Wet Waste Filters  
In Sink Filters  
Water & Energy Conservation  
Reduction in costs  
Prevention of excess charges  
Training & Information



# Automated Misting System

Odour Control • Dust Suppression • Pest Control  
Environment Cooling • Humidification



The AirStreme product produces a fine mist of odour neutralizing solution. The nozzle layout is configured to maximize contact of mist with malodorous gases by strategic positioning at critical point sources.

The AirStreme product consists of fully automated hydro-pneumatic misting systems and solutions targeted to the municipal, industrial and agricultural markets for odour control, environment/animal cooling, pest control, dust suppression and humidification.

At the heart of the Airstreme system is a unique fully automated fluid delivery system (i.e. Controller) that is used to deliver the solution up to 1000ft. Through specialized tubing at 250 psi to strategically positioned nozzles (up to 50).

## Odour Control



Odour neutralizing solutions can be drawn from a tank or directly injected into the misting systems inlet water supply to produce an ultra fine mist to combat airborne malodours. Nozzle layout is configured to maximize contact of mist with malodorous gases by strategic positioning at critical point sources.

## Environment Cooling



AirStreme mist cooling systems provide efficient cooling by flash evaporation of water through specialized misting nozzles without problems of excessive wetting or residual moisture. Nozzles may be mounted on circulation fans for enhanced mist dispersion and cooling effects. Advanced programming options and features (temp/humidity sensors) are available.

“Flash-evaporative cooling has been proven to reduce heat stress in both humans and animals by lowering ambient air temperatures.”

## Sleeveless Stainless Steel Couplings...



A moulded elastomeric sleeve with stainless steel coupling for use in drainage systems, where the resistance to earth loads normally provided by a shear ring is not required.

Alulines Drain Couplings are designed to join drainage pipes in any material up to 195mm outside diameter.

Aluline Drain Couplings have many applications in construction, repair and maintenance of drainage and other small diameter non-pressure pipe systems. These include:

- Repair of existing pipelines by replacement of short sections.
- As a joint for plan ended pipes.
- As an adaptor between pipes of different materials and similar sizes.

The nitrile sleeved version of this coupling is ideal for use in landfill gas extraction systems due to its' design and excellent resistance to methane gas.

## Sleeveless Stainless Steel Pipes & Fittings...



Resistant against high temperature and the expansion factor is very low.

Shock Resistant.

Thanks to their resistance against many chemical products and aggressive waste waters, our pipes and fittings have been proven especially in the following fields of application:

- chemical and pharmaceutical industries
- grease and soap industries
- food industry, i.e. dairies, beverage industry and especially in canteens.

Stainless Steel pipes are also frequently used for hygienic reasons. Sedimentation will not occur if the necessary slope is considered.

## Round the clock protection & maintenance for drains...

### What is it? ...

Aluzyme is a bacterial culture specially formulated to deal with bio accumulations and organic problems associated with large kitchens and galleys.

The bacterial cultures in Aluzyme eat, fats, oil and organic matter and converts it into carbon dioxide and water

### ... So Why Should I Buy It!?

These all have now to be considered in relation to disposal of liquid waste.

**The Environment  
Waste Disposal Costs  
Water Charges  
Hygiene**

It may be an added burden on the catering industry, but to ignore it can be a costly mistake. Architects and designers must also ensure best practice is used.

The cost of sewage disposal is set to increase as water companies analyse the costs of treating waste in their plants. Consideration and planning at an early stage could save costs and stress at a later stage.

## The AluTrap Stainless Steel Grease Trap ...

A simple but effective box containing water and a series of baffels in which Grease/Oil are trapped and float to the surface for removal.

To a common every day problem in the catering and food processing industries. The AluTrap system means you can forget odours & costly blockages in your drainage system.



**Complies with part H  
Drainage Regulations**

**Prevents:  
Drain & Treatment Plant Failures Kitchen  
Shut downs.**

**Contravention & prosecution  
of drainage offences.**

**Costly drainage Cleaning.**



# Waste Water Treatment Plants ...

Designed to comply with Environment Agency Discharge Regulations.

Unique multi chamber Biotechnology, ensures optimum efficiency.

High Strength construction allows Simple base and backfill installation.

The WWTP (Waste Water Treatment Plant) is an all-plastic tank divided with walls into single technology spaces.

Inside the tank there is placed a sludge pump, aerating system with blower, air-distribution system, aerating elements and carrier of biomass. The tank is covered with a removable cover, which is insulated.

**Avoid - Treatment Plant failures & Contravention / Prosecution of discharge offences.**

Plants can be manufactured in A31316 Stainless Steel or Sheathed in Stainless Steel to increase insulation.

Tanks can be manufactured to fit most situations and sized to meet loading requirements on an individual basis.

# A - Seed (Accelerated) Treatment Plant Activator ...



**Cost Savings on Simplified installation.**



WWTP is designed for an activating aerobic cleaning of wastewaters from places, which are not suitable to be connected to a sewer system.

Designed for cleaning of wastewater from block of flats, residential and recreational areas, farm estates, hotels, camping sites etc. with 5 to 130 population equivalent.

Information on running plant maintenance and environment considerations are supplied with each unit.

Existing problem sites can be assessed and solutions proposed.

A specific formulation of bacteria, enzymes & nutrients to degrade animal/vegetable or mineral grease/oils.

A-Seed enhances the natural operation of all Treatment Plants & Tanks

Formulations and solutions can be provided for existing problem areas, advice and training are also available to customers.

# Submersible Sump Pump/Lift Station

• Available 240 V and 110 V.

• The motor is encased in a rugged stainless steel housing for long-life and stability.

• A thermostat protects the powerful 0.15 kW motor from overheating.

Integral float-type level unit controls water level precisely and automatically, switching the pump on and off as level rises and falls. With a light fibre-reinforced plastic (FRP) pump casing and head cover, and stainless steel motor casing, the pump is abrasion and corrosion resistant.

• The torque-flow impeller minimises blocking and binding.

• Made of FRP, it withstands long operation, with low abrasive wear.

**Double mechanical shaft-seal, silicon carbide faced, in an oil chamber, ensures maximum protection and long motor life. Maximum solids passage is 35mm dia., the largest among this class of pumps. No strainer is necessary.**



# Grease Trap Cleaning Kit

Designed with the focus on Health & Safety in the workplace.

• Universal kit catering for all makes of Grease Trap / Interceptor.

• Hygienic & Easy to use.

• Contains everything required for safe & efficient cleaning / Maintenance.

Complete with natural biodegradable oil absorbant material suitable for landfill disposal after use.



# Energy & Resource Conservation...

Infra - red flushing systems ensure minimal running costs, eliminating unnecessary waste flushing.

Optimum Hygiene conditions are maintained as the flushing cycle tracks actual usage, unlike timer set flushing on a predicted cycle.

Reduction in water & waste costs can quickly recoup the initial installation investment cost, offering further longterm savings.



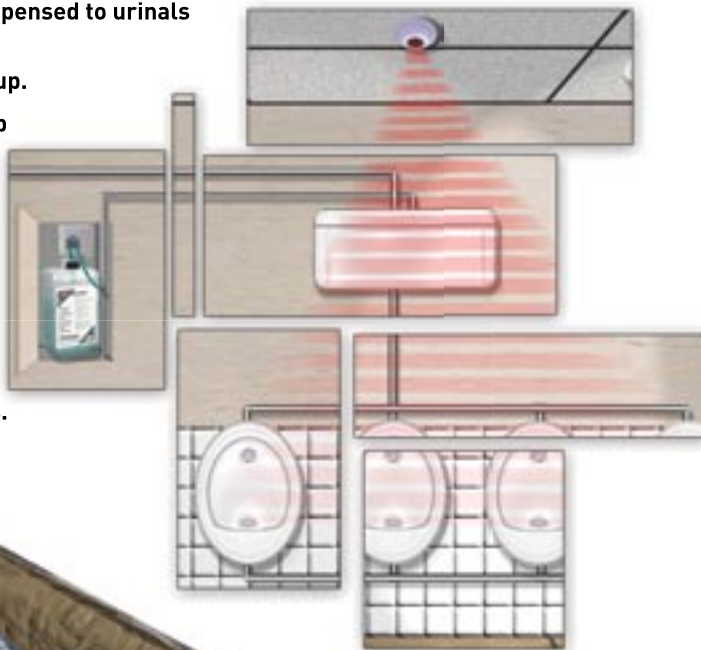
**Up to 90% REDUCTION in metered water costs**

## Now there is a better way to prevent scale build up in urinals.

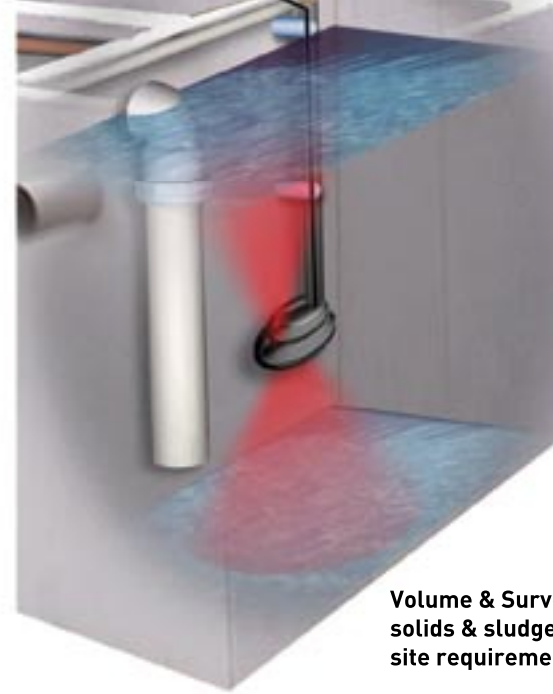
**Automatic Dosing of Aluflush System maintenance chemicals for free flowing & odour free urinals.**

A preset quantity of solution dispensed to urinals via our control unit provides:

- Reduced Scale & Odour build up.
- Protects against scale build up in urinal pipe work.
- Ensures optimum standards of hygiene.
- Reduces cleaning and maintenance time & costs.
- Compliments the natural processes in drainage systems & treatment plants.



The use of sanitizers in waste pipes & toilets is not recommended.



# Septic Watch ... Remote on site monitoring & Management ...

Performance monitoring of:

**Grease Traps, Treatment Plants, Pumping Stations, Interceptor tanks.**



Accurate up to the minute status & real time measurement data indicates:

Volume & Surveillance levels, Percentage of per miscible floating solids & sludge / sediment levels. Programmable to individual site requirements. Actual performance Monitoring.

Simplicity in use:

Ultra sonic transducers track incremental changes, sending data back to your central monitoring point. A pre-programmed alarm level alert system will automatically warn the operator of impending problems, avoiding costly remedial work, pollution incidents, fines or prosecutions

## Alulines Biological Dissolving Blocks

Aluline Limited has been in the bio enzyme industry for more than a decade, manufacturing liquid, powder and slow dissolve biotechnological products. Aluline specialises in bio remediation and provides a range of ecological products for industry. We offer simple and cost effective solutions for industry.



### AluBio - Block GT

Designed to liquefy and consume organic wastes that are commonly found in grease traps, sewerage, drainage and septic systems.

### AluBio - Block TP/LS

Designed for industrial treatment plants and lift stations to digest the solid organic wastes, grease, fats and oils that accumulate in treatment plants and lift stations and keep them free flowing.

### AluBio - QuickBlock

A special fast dissolving block designed to provide an appropriate amount of shock dosage into the system before the maintenance slow dissolve block takes effect.

### AluBio - CWP

A synergistic blend of selectively adapted bacteria developed specifically for the rapid degradation of the major components of hydrocarbons.



# Cleaning Products

## Aluclean

Aluclean, multipurpose cleaner, This safe, powerful all purpose cleaner concentrate will cut through the heaviest grease and grime. Aluclean is suitable for use on all forms of soiling and on almost any fabric, carpet or hard surface.

## Aluwash

Aluwash, W/C wash/cleaner and deodourizer, Aluwash will leave urinals and toilets micro-clean by removing the source of organic waste build-ups and odours which hide deep within plumbing lines. Will save you time and money eliminating the need for an initial cleaning step with a neutral cleaner, doing the job in one step. It cleans, deodourizes, refreshes and even maintains plumbing lines.

## Alucleanse

Alucleanse, Stain & Odour remover, This safe natural biological cleaner is the most certain way there is of removing stains and odours caused by organic soiling. Alucleanse may safely be used on all contaminated washable surfaces, carpets, upholstery and furnishings

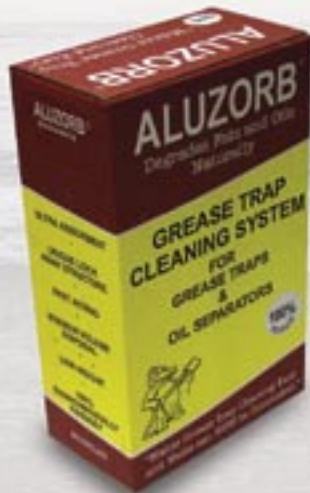
## Alupro

Long lasting biological urinal tablets. Enzymatic with soap base, fast acting water soluble freshness. Non toxic biodegradable, contains no harmful chemicals and less likely to cause harm to users equipment and environment. A safe toilet and urinal block containing special cleaning agents to stains and odours, not masking them like conventional products.

## AluZorb

Ideal spill kit for:

- Oil
- Chemicals
- Body Fluids
- Paint
- Any Liquid. . .



Absorbs liquid up to 3 times its own weight making it is easy to store, handle and transport. Environmentally friendly, safe harmless and fully biodegradable.

Can be used to dispose of oil/liquids from grease traps/ interceptors. Resulting waste can be composted, incinerated or placed in refuse bin for landfill as it is fully biodegradable.

Can be used to remove hydrocarbon films from gullies and small interceptors.

Entirely organic, from sustainable sources. It is ideally suited for absorbing paints, acids, detergents etc, and all categories of oil speedily and effectively. It out performs other conventional absorbent products e.g. 4 times faster acting than clay granules, uniquely locking in any liquid, followed by clean and easy disposal.

Easy to use. Dispense straight from the box onto the spillage.

# In-Sink Filter

'Waste Removal At Source'

The In-Sink Dry Basket Arrestor (In-Sink DBA) is a uniquely designed drainage fitting which acts as a pretreatment device to significantly reduce the amount of solids (food, debris or other foreign materials) entering the sewerage systems from commercial and industrial facilities.

A filtering basket is located under a grate which acts as a primary screening device to filter out nearly all solids.

The basket is easily removed to allow for emptying, cleaning and replacement.

By removing the grate the basket easily lifts out.

To safeguard and ensure that all materials being passed through the sink waste outlet will be strained by the basket a "shut-off" valve has been fitted below the basket.



This valve automatically shuts off the flowstream through the waste outlet as soon as the basket is removed - the fitting cannot be operated as a waste outlet without the basket being in place.

The In-Sink DBA also features a ball valve that allows the sink to be emptied remotely (from below the sink).

# Wet Waste Interceptor

Eliminate Waste solids from entering & blocking the drainage system. Our modular range of below bench pre filters have the potential to remove up to 2 tons of wet waste & solids in one year.

Intercept and retain (via a unique removable filter) wet waste solids and grease flowing into your drainage system allowing hygienic & easy disposal of the major cause of drain blockages and odours within the commercial kitchen.

Problems & Odours removed at source.

Reduce or eliminate persistent drain blockages.

Reduces the biological & physical load on the Grease Traps, Waste Pipe System & Treatment Plant.

