



**JIMCO**<sup>®</sup>

UV-C & OZONE  
Technology

UV-C AND OZONE  
SOLUTIONS FOR THE **FUTURE**

THE ENVIRONMENTALLY  
FRIENDLY SOLUTION ...



Jimco A/S is the company behind some of the world's most unique air and waste-water purification and sterilisation solutions.

Since designing its very first air-cleaning unit in 1993, Jimco A/S has not looked back. Today, the company supplies its products to a large number of industries and institutions worldwide. Its customer base comprising factories within the food industry, commercial kitchens, waste-water treatment plants, schools and nursing homes. In brief, Jimco A/S undertakes all types of projects – large and small.

Jimco A/S combines common sense with innovative thinking as the basis of the company's unique products. It is no coincidence that Jimco A/S supplies air-treatment units to some of the biggest chains in the world – including McDonald's, Scandic Hotels, McCain, Danish Crown etc.



JIMCO A/S OFFERS AN EASY AND EFFECTIVE  
WAY OF TREATING AIR BOTH INSIDE  
AND OUTSIDE BUILDINGS ...



Jimco A/S is known as an innovative and ground-breaking developer of unique and functional products. Its world-famous air-treatment units are based on a very special technology – photolytic oxidation.

The term covers the concept of cold burning in which the harmful microorganisms in the air are destroyed, while at the same time breaking the odor-binding molecule chains.

All Jimco A/S plants are characterised by their high levels of user-friendliness and simple design – while also being environmentally friendly on account of the very low power consumption.

Jimco A/S is continuously developing new products to meet the ever-changing requirements of today. Increased focus on the importance of a good indoor climate has inspired Jimco A/S to develop a special air-sterilisation system, which can be used anywhere – in kindergartens and schools, in museums, hospitals and nursing homes. In brief, in any place where clean air and the breakdown of bacteria are of material importance.

... AND AT THE SAME TIME,  
REDUCING AIR POLLUTION  
AND THE RISK OF FIRE BY UP TO 95%.



DESIGNED, ENGINEERED AND  
MANUFACTURED IN DENMARK

At Jimco A/S, time never stands still. On the contrary, the company attaches the greatest importance to product development – often conducted in close cooperation with customers, in order to ensure that the final product fully meets all specific customer requirements and needs.

Authorised Jimco A/S installers, who can be found worldwide, install all systems and units. At the same time, Jimco A/S undertakes all types of system and plant maintenance while offering individual service agreements.

Over the years, Jimco A/S has been awarded with a number of prizes for its products – including the EU's environmental award.



# AREAS **AND** ADVANTAGES





## AIR-CLEANING TREATMENT

Jimco A/S has specialised in the reduction of grease and odor problems through development of advanced patented UV-C & Ozone technology. This technology eliminates a number of environmental hazards generated by industrial and commercial processes.

## SURFACE DISINFECTION

Due to increasingly higher hygiene demands in the food processing industry etc., the use of UV-C light to eliminate microorganisms e.g. bacteria, fungi and vira is becoming more and more commonly used.

## WASTE-WATER

Jimco A/S has advanced the development of a new technology for pre-cleansing organically loaded waste-water. The technology is called Ozone Flotation and no form of chemical treatment is required in the process.

- ✓ Tested and reliable equipment
- ✓ Effective reduction of odors and VOC's
- ✓ No use of chemicals or fragrant oils
- ✓ No use of filters or absorbents
- ✓ No use of microbiology
- ✓ No liquid effluent or harmful residues
- ✓ Compact installation to efficiently utilise space
- ✓ Simple to retrofit into existing buildings
- ✓ Instant start-up and shutdown
- ✓ Competitive investment cost
- ✓ Low maintenance and operation cost

# JIMCO TECHNOLOGY USERS

## KPC SOLUTIONS



## INDUSTRY SOLUTIONS



THE EU ENVIRONMENTAL AWARD 1999 – 2000

JIMCO A/S

An environmental award in the category

CLEANER TECHNOLOGY

The purpose of this award is to encourage the development and use of technology, which considerably reduces the unwanted influence of the industry on the environment. It can be production technology or processes, which improve the utilization of resources, integrate recycling in the production, improve the lifecycle sequence of the product or the technology or in other ways contribute to the development of viable production. By the award of projects in this category importance will be attached to the innovative aspect and documented better resource economy compared to traditional production forms. The technology should be in use or have documented results from full-scale tests. Simple filter solutions cannot be considered.

**Motivation:**

JIMCO A/S is given an environmental award in the category cleaner technology for the development of Photo-Lytic-Oxidation-Systems for the reduction of odours, grease and oil using ultra violet light. The UV-light form ozone, which oxidises the odour substances/grease molecules in the air and thereby reduce obnoxious smells effectively. At the same time you will be using JIMCO's FLO-system avoid grease contamination of ductwork and fans and thereby considerably reduce the risk of fire as well as the problems of disposal filters. The odour substances are transformed into CO<sub>2</sub>, water and polymerised waxes. FLO-units are made in various sizes and are thus suitable for the use in restaurants as well as the industry etc. With the air-cleaning unit you will also have a compact installation, avoid the use of carbon filters or catalysts, no residues, competitive initial cost and low operational and maintenance costs. It is the opinion of the judging committee that JIMCO with the development of this system has found a simple and effective solution to a prevalent problem.



Jens Voersaa Rasmussen  
The Danish Engineers Society  
Chairman of the judging committee



Kristian Smestad  
The Danish Engineers Society  
Secretary of the judging committee

The Environmental Award Competition has been arranged in cooperation with the EU-Commission and UNEP. The purpose of the Award Competition is to encourage and promote commendable initiatives in the environmental field.

The judging committee of the award have been composed of representatives appointed by The Danish Ministry for Environment and Energy, The Danish Trade Ministry, Danish Industry, The Trade Counsel of the Danish Labour Movement, The Danish Nature Conservancy Association and The Danish Engineers Society, who have handled the chairmanship and the secretariat and been in charge of the completion of the prize-giving.



THE DANISH ENGINEERS SOCIETY 

ENVIRONMENTAL AWARD

In February 2000, JIMCO A/S received the EU Environmental Award for Cleaner Technology for the development of the: PHOTOLYTIC OXIDATION SYSTEM



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EUROPE · SOUTH AMERICA · NORTH AMERICA · AFRICA · ASIA · MIDDLE EAST



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