

ECODOR



Ecodor systems: Effective odor suppression and control



Ecodor products eliminate smell by a significantly the natural degradation pro

Advantages of Ecodor systems:

- ability to address fluctuations in odor en
- can be engaged and disengaged immedi requirements
- no adjustment time needed
- low investment costs

The **natural** solution for a wide range of smell problems

Odors are always present in our surroundings. When the concentrations are too high we experience this as smell. There used to be a time when odor or smell was regarded as inevitable and accepted as a matter-of-course. Those times are definitely past. Environmental awareness and social responsibility have quite literally brought us nose to nose with the issue of odor and smell nuisance. Separate from discussions as to what the difference is between odor and smell, government has in the meantime adopted measures designed to guarantee clean, odorless air. This has presented many businesses with the necessity of making provisions that are not only effective but also affordable.

Ecodor products work in this way

Ecodor products are prepared by fermentation of plant extracts. Some of the components of these fluids include enzymes. Enzymes have a catalytic effect on organic materials and therefore on odor molecules too. Under normal circumstances these molecules degrade slowly. Ecodor products accelerate this degradation process significantly, neutralizing the odor in a matter of seconds. This principle is already applied for a variety of biological odor suppression procedures, such as bio-beds and Bio Trickling filters where enzymes are continuously produced. Unique to the Ecodor odor suppression system is that sources of smell are atomized and/or injected precisely at that moment when it is necessary. This makes Ecodor an effective and efficient addition to expensive air cleaning systems that are already present but not effective in specific cases.

Low investment

The market offers a wide range of products for suppressing smell emissions. These units however involve substantial investment, because they are designed to deal with maximum smell emission. The average smell emission is however generally much lower. Ecodor offers flexible biological systems, designed to address fluctuations in smell emission. This has a number of attendant advantages. The systems can be adjusted to meet precise requirements, represent low investment costs when purchasing equipment and are able to deal with peak-load smell emission. Ecodor systems are a breakthrough in the area of odor suppression.



Accelerating
process of odors.

missions
ately to meet



Ecodor products enjoy a broad range of application and are therefore able to provide effective solutions for a great diversity of smell problems.

Extensive testing has demonstrated that Ecodor products are perfectly safe for animals and humans.



Broad operation

There are countless types of enzymes, each effective for the degradation of a limited number of odor molecules. Ecodor has at its disposal a variety of broad-spectrum cocktails of enzymes that are able to accelerate many different reactions.

Ecodor products enjoy for this reason a broad range of applications and provide in this way an effective solution to many different smell problems.

Diluted in water Ecodor's enzymes are atomized and/or injected into the odor source or into the duct of the gas extraction pipe, causing many different organic odor molecules to be adsorbed by the vapor droplets.

Perfectly safe

Extensive testing has demonstrated that Ecodor products are perfectly safe for humans and animals. Ecodor products are non-irritant, non-poisonous, non-flammable and 100% biodegradable. Ecodor products contain no living micro-organisms and are therefore bacteria-free. It is not necessary in practice to adopt special precautions.

Ecodor concentrates have in principle an indefinite shelf-life. The concentrate can be used only after dilution with water.

Range of techniques

Ecodor products are employed in a variety of installations, depending on whether the product is to be atomized or injected. When for example atomization is involved, atomizers can be placed within a building to atomize the liquid. The vapor formed will be very persistent, lasting a long time. For use outside ventilators may be employed to atomize the liquid and blow it away for a considerable distance. Every installation is amenable to total automation and can be operated by relative humidity, temperature of the gas to be scrubbed or by wind direction. On/off cycles or operating intervals can also be programmed. Automatic control using an existing process automation system is also a possibility.

High efficiency

The effectiveness of Ecodor products cannot be stipulated exactly, because efficiency depends on numerous odor components and a variety of variables. Decisive for effectiveness is in any event that the atomized droplets remain suspended long-term and together form an extensive contact surface. This leads to adsorption of the odor molecules, neutralizing the air in a matter of seconds. This will result in an odor-free environment.

Ecodor employs high-quality equipment that is corrosion-resistant, simple to operate and has low maintenance costs.



Areas of application

Ecodor products can be used successfully for:

- water purification
- composting installations
- waste treatment
- rendering plants, abattoirs
- fish and meat processing industry
- smokehouses
- vegetable dryers
- foodstuffs processing industry
- paper manufacturers
- agricultural sector

The Ecodor assortment also includes consumer products providing specific solutions in areas including:

- fire and smoke odors
- toilet odors
- cooking odors
- medical care
- domestic pets' odors
- tobacco smoke



Make an appointment

We should like to be your partner in solving problems in the area of odor nuisance. During an exploratory meeting with you we will examine the feasibility of treating your odor problem with one of the Ecodor products. It will during that meeting be possible to provide you with a small-scale demonstration, enabling you to understand in more concrete terms what you may expect from Ecodor.



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