

## ODOUR CONTROL

Italfog misting systems are the best tool for odour treatment and odour control in large areas, for industrial and commercial applications.

Our systems are effective on both solid and liquid waste and the process involves the atomization of neutralizing chemicals (to block the odor perception), odour absorbers (which modify the compounds that cause odors) or completely natural bio-neutralizers that modify the natural decomposition and prevent the formation of odour by means of biodegrading action.



It is possible to operate in large outdoors and surround with the misting sprayers the entire landfill area or inside buildings where waste treatment processes occur, water treatment plants, livestock, chemical industry, petrochemical refineries.



### BENEFITS

The advantages are the low costs if compared to other odour control systems based on water atomization. Energy costs are very low and the installation is very fast considering that the systems are supplied in various solutions, or pre-assembled with simple quick couplers.

### NATURAL ODOUR DESTRUCTIVE REAGENTS

Odour destructive reagents are completely natural extracts of plants (essential oils and similar), these are not perfumes or masking agents but products that once sprayed close to odorous gases, absorb them and transforms them into biodegradable or non-odorous compounds. These products are environmentally friendly, non-toxic, non-polluting, non-flammable, non corrosive, biodegradable. They consist of elements also commonly used in food and cosmetics industry.

The system for the spreading of odor neutralizers, consists of a high pressure pump that pressurizes the liquid solution at 70 bar pressure, which is pushed by a Polyamide or Noxide tubing, and sprayed in the environment by patented mist nozzles. Reagents in the form of thin mist with 10 microns diameter droplets, remain suspended in the air and then evaporate without wetting or dripping, making the system very efficient. Neutralizer's molecules combines physically with the odour molecules and destroys them completely.



### 'pro-KEM' PUMPS: THE SPECIFIC SOLUTION

The new 'KEM' pumps are a specific solution to clean up and odour treatment. Pump materials in contact with fluids are particularly resistant to wear and corrosion and thus suitable to work in conditions of maximum stress. The result is no blockages and droplets at an uniform size to suppress odours even in the most challenging environments. Check our catalog for technical features.

