



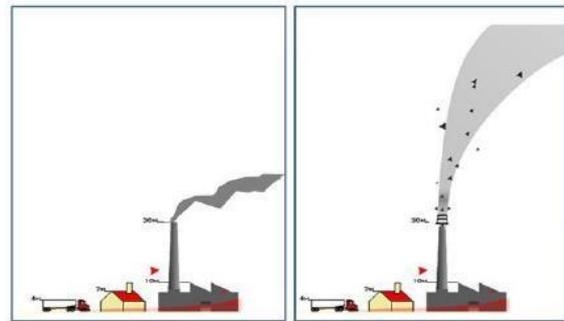
AirAdvanced® Treatment

EOLAGE

Advanced odour treatment systems – improving atmospheric dispersion

DESCRIPTION OF THE TECHNOLOGY

The **EOLAGE** system is equipment that **aids the dispersion** of non-toxic emissions with high odour loads. This effect lessens the emission **plume** and simultaneously **reduces** the visual impact and the amount of immission in the surrounding areas.



The system is commonly used, particularly in situations where, due to one of more constraints (space, financial or technical), the efficiency of the treatment system installed at the end of the process cannot be improved to purify the emission. Depending on the application, they can be installed on the ground or on a structure.



ADVANTAGES AND BENEFITS OF THE SOLUTION



Supplements the action of the usual deodorization or treatment systems



Reduces odour impact in immission



Reduces the visual impact of the emission



Low operating costs. It only requires electricity to operate, using a maximum of 35 to 51kW (depending on the equipment's flow rate)

KEY FIGURES

~50.000m³/h

Dilution with ambient air in
Eolage 50 equipment

~120.000m³/h

Dilution with ambient air in
Eolage 120 equipment

~300.000m³/h

Dilution with ambient air in
Eolage 300 equipment

30m/s

Up to 30m/s emission **speed**

DESIGN AND EFFICIENCY DATA

The emission, which enters at the bottom of the Eolage, is driven vertically and diluted with ambient air up to 50,000m³/h (in the **Eolage50** unit), 120,000m³/h (in the **Eolage120**) or up to 300,000m³/h (in the **Eolage300**), increasing its velocity up to 30m/s.

The **vertical** emission **pulse** favours dispersion and significantly reduces the concentration of odour that can be perceived as immission.



The efficiency of odour impact reduction can be observed in a practical application. A comparison of the odour impact in areas close to the emission source, with and without the EOLAGE system in operation, shows that without the system the odour concentration detected is higher in intensity and range.



INDUSTRIAL APPLICATIONS

SUEZ AIR & CLIMATE technology can be used for, among other applications:

- Problematic emission sources
- Ventilation of buildings with dead space or poorly ventilated areas
- Ability to act as a pneumatic barrier.

SUEZ

AIR & CLIMATE

For more information:

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