

CADEO Deodorizer

Catalytic Deodorizer



INTENSIV-FILTER KOREA

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MgO-FeO_x

Perfect combination of advanced catalyst and scrubber technology

80 Years Tradition

Intensiv CADEO system is an unprecedented deodorizing system which has a narrow foot print with minimum investment and minimizes secondary contaminants.

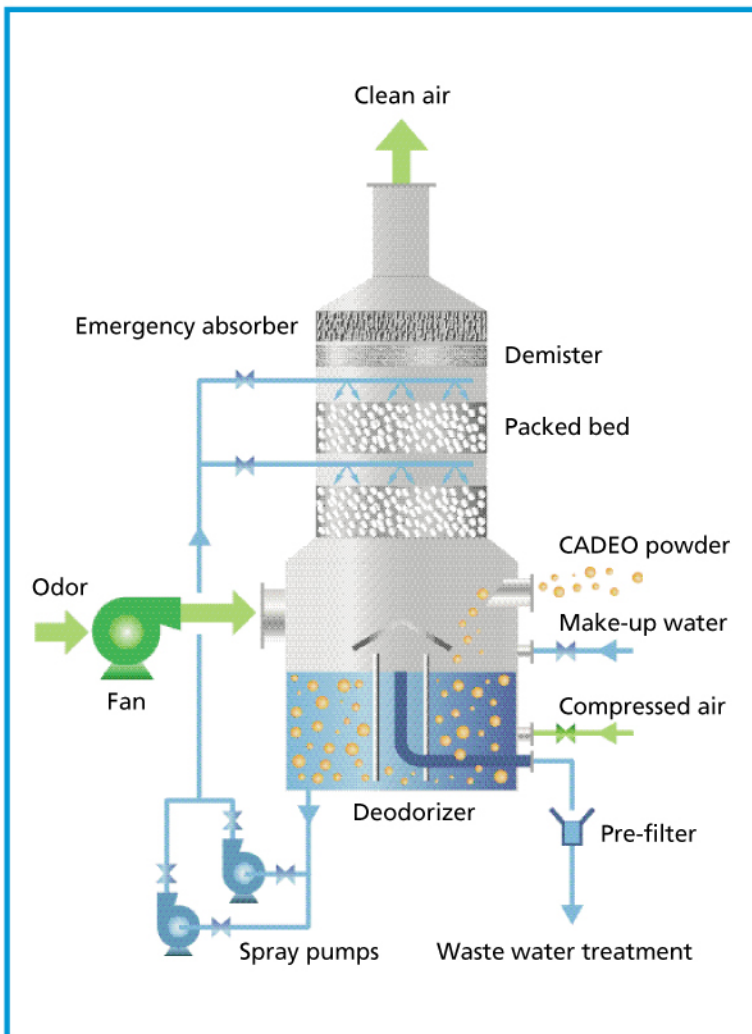
After dissolving the odor-producing material in water, a catalyst called CADEO, which was specifically developed for this purpose, oxidizes odor under ambient temperature and atmospheric pressure. Through this reaction, the odor ingredients are converted into harmless, odorless material.

Intensiv CADEO system is much more efficient than the conventional water-cleaning methods which inevitably produce a lot of waste water.

Intensiv CADEO system is operating without producing secondary contaminants, as is the case in the conventional adsorption methods using active carbon.

Intensiv CADEO system is much more economical than the combustion systems which needs very high investment and operational costs.

Catalytic deodorizer using CADEO





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CADEO Catalyst

Features

- Using newly developed CADEO catalyst
- Oxidation under ambient conditions
- Oxidizing most noxious odor
- No secondary contaminants during operation
- Minimum foot print and investment
- Easy retrofit of conventional scrubber
- Sanitary operation due to no microorganism
- Small pressure loss across the system
- Stable operation with time or gas volume change
- Low operational cost
- Easy maintenance

Operation principle

CADEO is a material of MgO-FeO_x. The oxygen which is adsorbed on the surface of the catalyst by electron transition is changed to active oxygen (O₂⁻) by which odor is oxidated on the surface of the catalyst.



MgO-FeO_x

More practical and economical than any conventional deodorizer

80 Years Tradition

Major removable odors

- H₂S
- DMS (Dimethyl sulfide)
- DMDS (Dimethyl disulfide)
- DMSO (Dimethyl sulfoxide)
- Toluene
- Xylene
- Ammonia
- Amine
- Acetaldehyde

Major applications

- Sewage treatments
- Waste water treatments
- Effluents from garbage
- Noxious odors in chemistry
- Noxious odors in semiconductor
- Other noxious odor applications

Efficiency of CADEO

