

CADAIR

VOCs TREATMENT

Cadair Environmental

Applications

Chemical industry • painting • packaging printing • semiconductor • pharmacy

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Zeolite Rotor / Low Temp. Rotor / TO / CO / RTO / RCO / Vapor Recovery Unit



Company Profile

CADAIR is a global leader in industrial air pollution control solutions, headquartered in Beijing, China, with 3 production bases and 2 R&D centers. As a pioneer in VOCs (volatile organic compounds) treatment, CADAIR is dedicated to its mission of "Technology driving Green Future." Through continuous innovation, CADAIR assists global clients in addressing complex environmental challenges. To date, the company's business has expanded to over 30 countries, with more than 1,000 projects successfully implemented. CADAIR has become a trusted partner for high-end manufacturing sectors including petrochemicals, electronics and semiconductors, and aircraft.

ONE STOP SERVICE

Sales-Design-Manufacture-Constructure-Operation-aftersales service

RTO for VOCs

Calidaddelaire Environmenta
Working in Nature

Completely destroy and harmless

RTO: >760°C high temperature oxidation reaction. Pre-heated & recovery heat by heat media. Recovery > 95%. VOCs>1.5g/m³ required for heat balance(for Hydrocarbon, VOCs >2.5g/m³for alcohols and esters)



TO for VOCs

Calidaddelaire Environmenta
Working in Nature

Completely destroy and harmless

Thermal oxidation: >760°C high temperature oxidation reaction. Pre-heated and recover heat by heat exchanger. VOCs> 7g/m³ required for heat balance (for hydrocarbon, VOCs > 11g/m³for alcohols and esters) . Addition heat is needed without heat balance.



CO for VOCs

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Working in Nature

Completely destroy and harmless

Catalytic oxidation: catalytic oxidation temperature is 300~500°C. Pre-heated and recover heat by heat exchanger. VOCs>5g/m³ required for heat balance (for hydrocarbon, VOCs >8g/m³for alcohols and esters)



Zeolite rotor concentration

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Working in Nature

Low concentration & big flowrate → high concentration

Applicable VOCs: benzene, toluene, xylene, ethanol, isopropanol, butanol, MEK, MIBK, acetone, cyclohexanone, NMP, ethyl ester, propyl ester, and chlorinated solvents, etc.



SOME CASES

