

ColdOx™

Energy efficient removal of VOC and odour

centriair

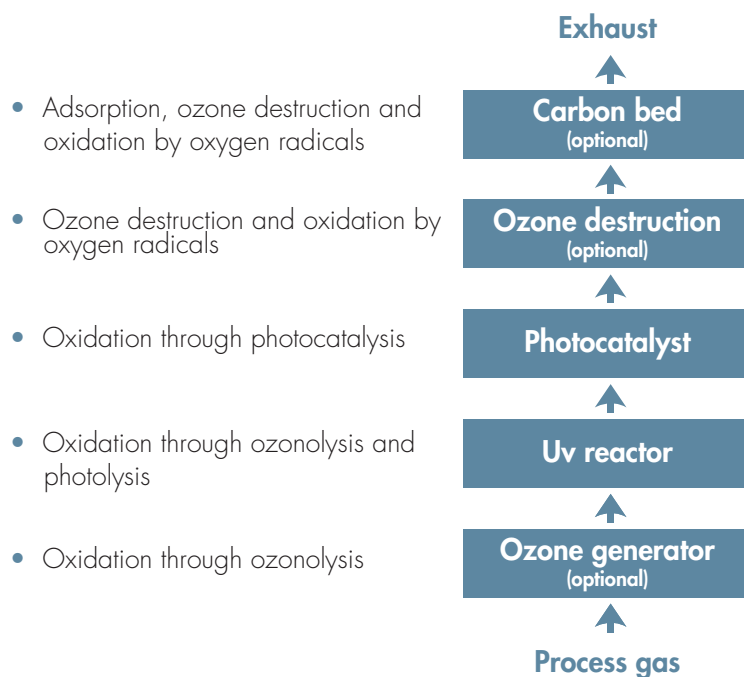
ColdOx™ is an industrial VOC and odour emission reduction solution for customers within food, waste water and solid waste handling, biogas, slaughterhouses and other industrial process generating airborne emissions of VOCs and odour.

ColdOx™ oxidizes VOCs and eliminates odour through the use of high intensity UV, excess ozone, and photo chemical oxidation supported by special purpose catalysts. It typically achieves odour reduction of more than 90% at ambient temperatures with minimum energy requirement and ozone slip.

The ColdOx™ reactor can be delivered stand alone or with active carbon and is adapted for outdoor as well as indoor installation. System stages for Ammonia and H2S removal are also frequently used in combination with the ColdOx™ reactor if incoming levels are high.

The ColdOx™ reactor is delivered with a “plug and play” control system with pre-fabricated cables to minimize site wiring and has dual safety features to ensure a completely safe operation.

Centriair offers preventive maintenance with remote monitoring and on site intervention for all our installations.



Key benefits:

- High odour performance
- Low maintenance cost
- Low energy consumption
- Low maintenance (typically limited to once per year)
- Compact installation
- Little or no water consumption
- Modular and flexible solution

centriair
sustainable emission control

Technical data ColdOx™ UV Reactor

Application:	Industrial VOC and odour emission reduction solution for customers within food, waste water, pumping stations, waste handling, biogas, slaughterhouses and other industrial process generating airborne emissions of VOCs and odour.
Performance:	~90 % odour removal / ~60 % VOC removal
Pressure drop:	< 100 Pa
Weight:	Total weight 370 kg
Connection flanges:	800 mm diam straight flange
Dimensions UV:	1850 x 2100 x 682 mm
Process gas flow:	10 000 m ³ /h
Electrical connection:	380-400 V/3-ph+Neutral/50 Hz or 480 V/3-ph+Neutral/60 Hz
Installed power:	4,6 kW (typical value)
Material:	Stainless steel AISI 304 or 316
Wash water:	~10 liters per day
Lamps running hours:	10 000 – 16 000 depending on lamp type

