



# Oxi.X RL

## Regenerative Thermal Oxidizer

The Oxi.X RL is the most advanced regenerative thermal oxidizer (RTO) available. With a compact, rugged design, it offers the highest destruction efficiency and heat recovery of any RTO on the market.

This state-of-the-art design features a single rotary diverter valve and twelve heat recovery chambers enclosed in a single tower. It arrives onsite in a pre-piped, pre-wired package that maximizes quality and minimizes field assembly.

The heart of the Oxi.X RL is its simplicity. A single rotary diverter valve replaces all butterfly or poppet valves used in a conventional RTO. This heavy-duty, electrically actuated, valve features machined, metal seats with a unique air seal and purge feature that provides 99% + VOC destruction efficiency. This ensures systems will be compliant now and long into the future.

### HIGHLIGHTS



Standard 99%+ destruction efficiency

Up to 97% thermal efficiency recovery

Single rotary diverter valve

Twelve heat recovery chambers  
in a single tower

Integral chamber purge function

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## Regenerative Thermal Oxidizer

### DURABLE, LOW-MAINTENANCE DESIGN

The Oxi.X RL features a robust and relatively maintenance-free design. It is a reliable and efficient choice for companies invested in keeping equipment running at peak performance.

### FEATURES

- Skid-mounted design (pre-piped, pre-wired), provides for a more cost-effective installation
- All drive components external to unit
- All fuel train components at grade
- Replaces multiple dampers used in conventional RTO
- Fewer moving parts, greater reliability
- Electric valve drive system replaces hydraulic and pneumatic drives found in typical RTOs
- Online bake-out option allows for removal of particulates, aerosols and condensables without process interruption

### PERFORMANCE ADVANTAGES

Dürr is the source for proven, cost-effective emissions compliance solutions, with more than 50 years of experience and 10,000 pollution control systems operating in a broad range of industries.

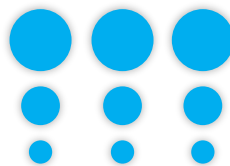
### INDUSTRY DIVERSITY

The Oxi.X RL is available in pre-engineered sizes up to 80,000 SCFM per unit. The system is highly versatile and applicable in most industries and processes, including:

- Automotive and industrial painting
- Chemical and petrochemical
- Coating and printing
- Semiconductor
- Pharmaceutical
- Food processing and odor control
- Wood products
- Carbon fiber
- Building materials
- Biofuels and many more



Oxi.X RL with single rotary diverter valve



#### Conventional RTO

- Typical 3-Chamber RTO has 9 valves
- Many valves, many actuators
- Valve sealing & chamber flushing optional

#### Oxi.X RL

- One valve
- One electric drive
- Minimized leak paths
- Valve sealing & chamber flushing are standard



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