

# Application Optimizer

## SPOTLIGHT

### Regenerative Thermal Oxidizer (RTO) How well have you optimized your process?

#### Combustion Air to Burner

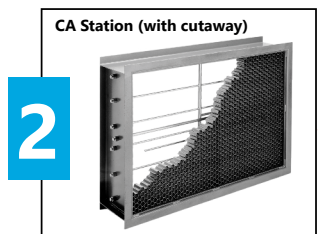
"Optimize combustion with minimal emissions"

##### APPLICATION CHALLENGES

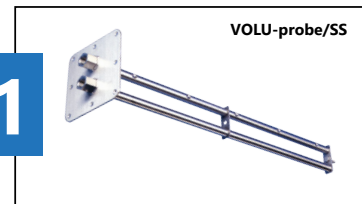
- Limited straight run available
- High-turndown, low velocity
- Particulate-laden gas stream

##### IDEAL PRODUCTS

- VOLU-probe/SS Airflow Traverse Probe
  - best for moderate straight run
- CA Station Combustion Airflow Measurement System
  - best for limited straight runs



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#### Waste Gas to RTO

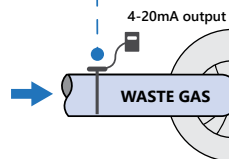
"Ensure complete destruction of HAP's and VOC's to meet regulations"

##### APPLICATION CHALLENGES

- Limited straight run available
- High-turndown, low velocity
- Particulate-laden gas stream
- Corrosive

##### IDEAL PRODUCTS

- VOLU-probe/SS Airflow Traverse Probe
  - best for moderate straight run
- CA Station Combustion Airflow Measurement System
  - best for limited straight runs

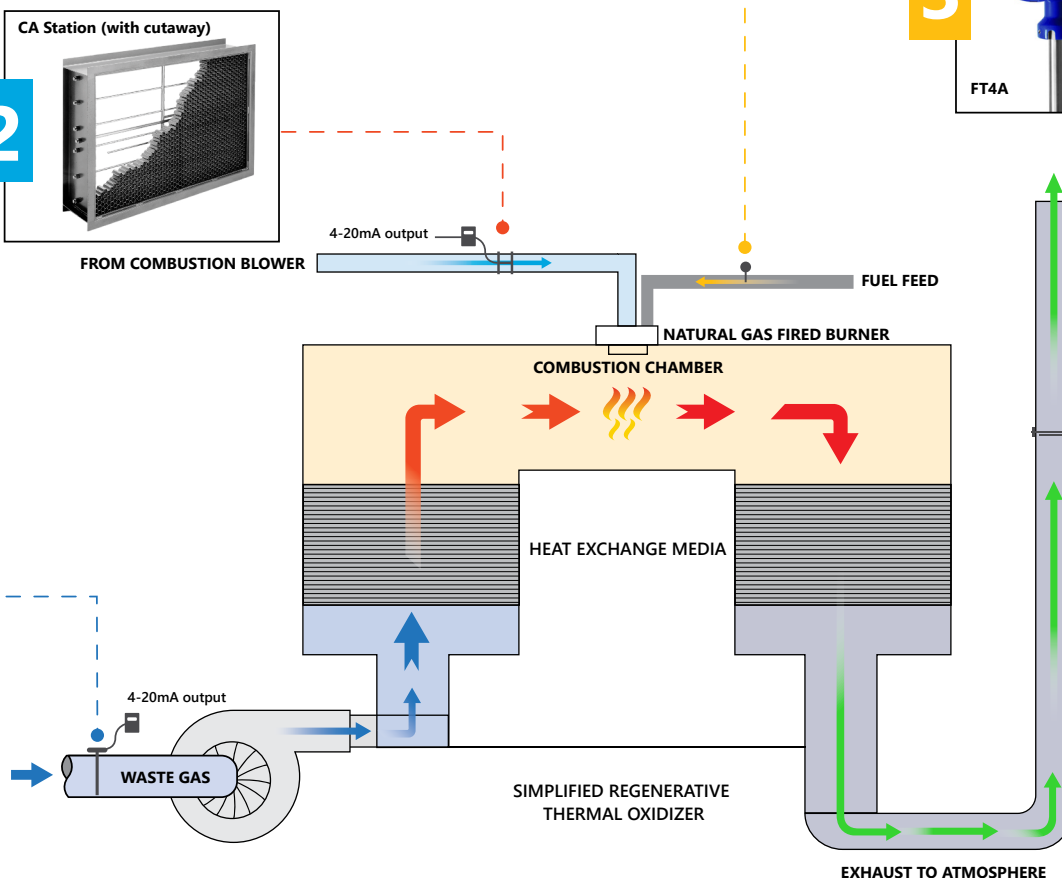


#### WITH MULTIVARIABLE TRANSMITTER 1 2 4

- MASS-tron II Transmitter
  - best for standard applications
- VELTRON DPT-Plus
  - best for Class 1 Div 1

#### OTHER PRODUCT OPTIONS 1 2 4

- AUTO-purge III
  - best for dirty service
- Custom material selections:
  - Hastelloy, corrosion-resistant
  - Inconel, high temperatures



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FT4A

#### Fuel to Burner

"Ensure complete combustions with minimal emissions"

##### APPLICATION CHALLENGES

- Natural Gas (most common)
- Low flow, low pressure
- Mass flow desired

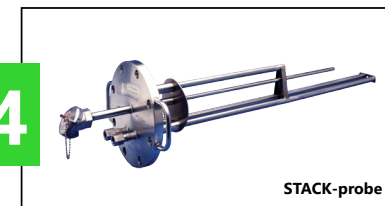
##### IDEAL PRODUCTS

- Fox Thermal FT1/FT4A/FT4X
  - In-situ Calibration Validation w/ cert.
  - No temp or pressure compensation needed
  - Gas selection menu - (multiple fuels)

##### OTHER PRODUCT OPTIONS

- Retractor assembly
  - online maintenance
- Inline or insertion installation

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STACK-probe

#### Exhaust to Atmosphere

"Stay in compliance with EPA air quality regulations"

##### APPLICATION CHALLENGES

- Dirty process gas
- Reporting typically required
- Corrosive potential
- Can be very hot, but not standard RTO

##### IDEAL PRODUCTS

- STACK-probe
  - Multipoint averaging probe
  - Closely matches the EPA RATA test

##### WITH TRANSMITTER

- MASS-tron II/CEM (continuous emissions monitoring)
  - AUTO-zero, eliminate transmitter zero error
  - AUTO-cal, measure transmitter zero & span drift
  - Temperature and absolute pressure compensated mass flow output

Schedule time with one of our experts



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