



# **GAS WASTE INCINERATION TECHNOLOGY**



EFFICIENT SOLUTIONS. FOCUSED RESULTS.

# WHY CHOOSE INFRATECH?



INFRATECH is a private Canadian Company incorporated in 1987, focused on providing world class products and services to our global Client base.

Our Combustion group offers thermal oxidizers and gas waste incineration products and solutions, designed and manufactured to exacting project specifications, industry standards and applicable environmental regulations.

Gas waste incinerators are designed for application specific requirements, allowing for cost efficient and environmentally sensitive combustion solutions for waste gas disposal.

With dedicated in-house, incineration specific engineering, project management, drafting, manufacturing and field maintenance /optimization services, INFRATECH is a one

stop shop for all your industrial gas waste incineration and combustion requirements.

INFRATECH Gas Waste Incinerator designs include enhanced gas waste, combustion air, and fuel mixing technologies for maximum destruction efficiencies, reduced fuel requirements, and improved service life of the equipment.

INFRATECH has supplied numerous waste and vent gas incinerators for Oil & Gas, Petro Chemical, and Industrial applications. We have a wide variety of satisfied clients across Canada and worldwide.

References are available upon request.

# THE INFRATECH ADVANTAGE

## INCINERATOR DESIGN & FABRICATION

- Each waste gas incinerator is custom designed in accordance to the client's specific waste gas flow and composition.
- Custom design ensures optimization of capital cost & maximizes thermal efficiency and incinerator DRE.
- High efficiency Waste Gas Burner assembly.
- CSA Class 1, Div. 2 Combustion Safety Controls (BMS).
- CSA B149.3-10 compliant fuel train components.
- Reliable pilot assemblies and flame detection systems.
- Refractory design & installation specific to the application.
- Compliance with stack sampling & other applicable codes.
- In-house incinerator designs by experienced Registered P.Eng.
- In-house fabrication with CWB/CSA Welding Certification.
- Stamped Structural drawings & CSA Panel Certification available.
- Many options available as required.
- Dedicated and experienced start up & service personnel.

## FIRED EQUIPMENT MAINTENANCE, SERVICE AND OPTIMIZATION

INFRATECH offers a full range of on-site Burner Optimization and Flame Arrestor Testing services for existing fired equipment. This includes line heaters, treaters, boilers, and heaters, of almost any configuration. Maintenance and Optimization Services include:

- Baseline line performance testing in the present operating condition using a combustion analyzer.
- Troubleshooting of any existing problems.
- Cleaning of burner(s) and pilot(s).
- Testing of flame arrestors.
- Cleaning of flame arrestors.
- Verification of fuel train settings and proper operation of components.
- Verification of flame detection and flame failure safety settings, alarms, and shutdowns.
- Adjustment of burner air/fuel ratios.
- Re-testing after equipment is returned to service and further optimization of settings as required.
- Comprehensive report of findings, work performed, and final settings.

All work is performed by INFRATECH's fully trained and qualified Combustion Technicians. All equipment required to perform the work is supplied with the INFRATECH Service Vehicle including combustion analyzer, pressure washer, air compressor, water tank, and hand tools.

Burner Optimization & Maintenance and API Flame Arrestor Testing is an IRP "Best Practice" program recommended by CAPP for yearly implementation. This service will ensure that your fired equipment is operating at the highest possible efficiency, resulting in reduced fuel consumption, reduced greenhouse gas (GHG) emissions, and assured safety of operation for your facility and personnel.

Don't let your fired equipment shut you down. Schedule regular maintenance and optimization services for your fired equipment to ensure continued stable, efficient, and safe operation at your facility.





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