

INCINERATION TECHNOLOGY



INFRATECH
CORPORATION

EFFICIENT SOLUTIONS. FOCUSED RESULTS.



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Infratech is a private Canadian company incorporated in 1987 focused on providing world class products and services to our global client base.

Our group offers combustion process and incineration related products manufactured to exacting specifications. Our incinerator designs are application specific, allowing for cost efficient and environmentally sensitive combustion solutions for solid, liquid and gas waste. We also provide platform and mobile incinerators, as well as a variety of optional equipment and related technologies.

In addition to our incineration products we provide state of the art infrared imaging and thermographic consulting services to industry. Our experienced technicians are able to provide infrared inspections, IR scanning of heater furnace tubes, refractory, and electrical systems. Infratech also provides industry leading infrared gas leak detection services.

With in house manufacturing, CAD technology and dynamic consulting services we are able to satisfy a variety of demands across a broad business spectrum.

WHY CHOOSE INFRA TECH?



Infratech offers the design and manufacture of solid, liquid, and gas waste incinerators, as well as human cremation equipment. Our dedicated and experienced team will work with you towards a standard configuration model, or a custom design for any specific application or requirement.

Our client list of over 250 clients includes Imperial Oil, Talisman, Amoco, Chevron, PEMEX, Deutag Drilling, ExxonMobil, BP, Shell, to mention only a few. Our incineration products are successfully at work around the world today in countries like Canada, Bangladesh, Chad, Japan, Kazakhstan, Mexico, Trinidad, UAE, USA, Venezuela, Taiwan, Azerbaijan, and the list continues to grow!

- Unique Multi-chamber Modular Design - Increases the VOC destruction efficiency (greater than 99.9%), fuel efficiency and service life of the refractory lining
- Easy to Use – Automated operation
- Combustion Control to ensure clean burn
- Vortex Mixing Chamber
- Uniform Destruction of Waste
- Superior Castable Refractory Lining products
- High-Density Refractory Floor
- VFD controlled combustion air blowers for rapid and responsive air modulation
- Safety Systems provide excellent personnel and equipment protection
- Numerous Options Available

STANDARD SOLID WASTE INCINERATORS

All Infratech solid waste incinerator are skid packaged, dual burner, tri-chamber designs. The incinerators are suitable for reducing any type of solid or biomedical waste and can operate on a choice of diesel fuel, natural gas or LPG.

40



INCINERATOR MODEL 40

- **Reduction Capacity:*** From 16 kg/hr [25 lbs/hr] to 30 kg/hr [66 lbs/hr]
- **Shipping Dimensions:** 3,658 [12'-0"] long x 1,981 [6'-6"] wide x 2,840 [9'-3 13/16"] high (stack shipped separately)
- **Weight:** 7000 kg [15 400 lbs]
- **Approximate Diesel Fuel Usage:** 7.0 – 13.0 L/hr [1.8 – 3.4 usga/hr]

100



INCINERATOR MODEL 100

- **Reduction Capacity:*** From 40 kg/hr [88 lbs/hr] to 75 kg/hr [165 lbs/hr]
- **Shipping Dimensions:** 5,029 [16'-6"] long x 2,134 [7'-0"] wide x 3,000 [9'-10 1/8"] high (stack shipped separately)
- **Weight:** 10 000 kg [22 000 lbs]
- **Approximate Diesel Fuel Usage:** 15.0 – 25.0 L/hr [4.0 – 6.6 usga/hr]

200



INCINERATOR MODEL 200

- **Reduction Capacity:*** From 80 kg/hr [176 lbs/hr] to 150 kg/hr [330 lbs/hr]
- **Shipping Dimensions:** 6,096 [20'-0"] long x 2,438 [8'-0"] wide x 3,458 [11'-4 1/8"] high (stack shipped separately)
- **Weight:** 12 500 kg [27 500 lbs]
- **Approximate Diesel Fuel Usage:** 20.0 – 35.0 L/hr [5.3 – 9.2 usga/hr]

500



INCINERATOR MODEL 500

- **Reduction Capacity:*** From 175 kg/hr [385 lbs/hr] to 300 kg/hr [660 lbs/hr]
- **Shipping Dimensions:** 7,010 [23'-0"] long x 2,743 [9'-0"] wide x 3,883 [12'-8 7/8"] high (stack shipped separately)
- **Weight:** 19 000 kg [41 800 lbs]
- **Approximate Diesel Fuel Usage:** 25.0 – 40.0 L/hr [6.0 – 10.6 usga/hr]

* Reduction Capacity varies depending on waste composition and heating value

STANDARD CONSTRUCTION

Incinerators are fully contained on a CSA G40.21 350W wide flange skid, including lifting lugs. Each incinerator is designed with three chambers: the primary (loading) chamber, the mixing chamber, and the residence chamber. Our standard incinerator package includes a refractory lined stack with a stainless steel spark arrestor, as well as a fuel control and delivery system.

Our incinerators are controlled by a nano programmable logic controller allowing for automated operation. The system includes numerous safety systems and devices to prevent unsafe conditions for the operator or the equipment. Examples include mechanical limit switches, magnetic door locks, high temperature shutdown to mention only a few.

All models are offered in standard, platform, and mobile configurations.



STANDARD

OPTIONS

The following are options that can be added to our incinerators packages:

- O₂/CO_e Monitor
- Continuous Emissions Monitoring System (CEMS) to meet the most stringent reporting and recording requirements
- Ash Removal Personal Protective Equipment
- Cold Weather Operating package
- Waste Oil Disposal System
- Semi-Automatic Hydraulic Ram Feeder
- Diesel Fuel Tank Automatic Fill
- Automatic Draft Control
- PLC with a Touch Screen HMI

SPECIALTY UNITS

Infratech also manufactures customized incinerators to meet customer specific environmental, sizing, waste, and emission requirements for solid, liquid, or gas waste applications.



OPTIONS & SPECIALTY UNITS

For more information please contact us:

Toll Free: 1-888-377-5432

Or visit: www.infratech.cc



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