

The QuikCAT Oven



Flameless Gas Catalytic Long Wavelength

The QuikCAT oven is versatile from low to high density infrared applications. The large emissive surface area allows processing of extremely geometrically complex objects. The QuikCAT oven will provide the curing solution for your finishing needs.

- Choice of snap switch, thermocouple or thermostatic emitter monitoring devices.

The Oven System:

- Custom configurations utilizing an array of standard modular heater sections profiled to the specific process and/or application.
- IRI compliant gas trains and gas management systems.
- Reflective bright annealed stainless interior insulated panels.
- Standard features include powder coated U-channel type support frame, engineered exhaust collection and appropriate closure panels.
- Programmable recirculation air systems with engineered internal discharge directional ducting.
- Customized features available upon request or as the process dictates.
- Includes a user-friendly control package with all required components for safe and efficient operation of the oven system (see page 20 for complete explanation of the many QuikCOMMAND features).

The Emitter:

- Flameless catalytic gas thermoreactor panel
 - All major components produced in our own facilities
 - Patented catalysts are manufactured in our Edmonton, Alberta facility
 - Preheat tubular elements are manufactured in our Orillia, Ontario facility
- Assembled and tested in our Cata-Dyne™ facility in Edmonton, Alberta under an internationally recognized ISO-9001:2000 quality management system.
- Two categories of high performance infrared emitters, both with CSA and FM certifications as flameless catalytic gas infrared emitters:
 - Series WX (explosion-proof emitters) certified by CSA, CE/ATEX and FM for Class I, Division I, Group D hazardous area applications.
 - 33% more energy efficient than any competitive emitter.
 - Series G (high performance hot catalyst emitters) certified CSA and FM for non-hazardous area applications.
 - The hottest certified catalytic gas emitter on the market.
- Environmentally friendly – unlike normal combustion, both series of Cata-Dyne™ emitters produce only trace amounts of nitrogen oxides due to their low operating temperatures.
 - Multiple Btu input ratings (4,000 and 6000 Btu/h per cu ft.) available.
- Offered in a variety of preheat voltages.
- Natural gas (NG) or propane (LPG) configurations.
- Variety of mounting bracket options.

The Uses and Benefits:

- The multiple available emitter Btu input ratings and variety of standard emitter sizes allow the QuikCAT oven package to be a very versatile curing solution.
- This particular DriQuik™ long wavelength technology possessing massive emissive surface area is capable of processing highly complex geometric part profiles.
- Process times typically four times faster than convection, resulting in less equipment and floor space requirement

The Heater Specifications:

Industrial Oven Emitter Sizes (in)	Input Rating (Btu/hr)	
	WX Series	G Series
12 x 36	12,000	18,000
12 x 48	16,000	24,000
12 x 60	20,000	30,000
12 x 72	24,000	36,000
18 x 48	24,000	36,000
18 x 60	30,000	45,000
18 x 72	36,000	54,000
24 x 48	32,000	48,000
24 x 60	40,000	60,000
24 x 72	48,000	72,000

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