



CCI Thermal
Technologies INC.
Heating and Filtration Solutions



Products for Nuclear Power Applications

 **Caloritech**™
Engineered Electric Heat

 **3L Filters**™
Engineered Filtration Systems

Caloritech™ & 3L Filters™ Nuclear Products

CCI Thermal Technologies Inc. custom-engineered products for nuclear applications are designed and manufactured to suit CANDU, PWR and BWR Nuclear Reactors. Our products for nuclear applications adhere to a rigorous Quality Assurance program based on ASME Section III NCA 4000 in accordance with ASME NQA-1, 10 CFR 50 Appendix B, 10 CFR Part 21 and ANSI N45.2.



Capabilities

- Fabrication in carbon steel, stainless steel, aluminum or specialty/exotic materials
- GMAW, SMAW, SAW, and GTAW welding methods
- Experienced qualified welders
- Large library of approved welding procedures
- 25 ton lift capacity
- In-house machining, blasting and painting
- In-house and third-party NDE testing
- In-house pressure and performance testing
- Control and instrumentation system design
- PLC programming and testing
- Heating, filtration and pressure vessel technology selection
- Application expertise
- Design and manufacture for skids or packages
- Materials selection
- Mechanical and electrical design
- Pressure vessel design
- Project engineering management
- Safe or hazardous area selection
- FEA analysis, including stress, seismic and thermal analysis
- Design registration





CCI Thermal
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As a leader in advanced heating and filtration solutions with facilities across North America, CCI Thermal Technologies Inc. manufactures five of the top brands in industrial heating in addition to a comprehensive line of engineered industrial filtration products including:

 **Cata-Dyne™**

Explosion-Proof Gas Catalytic Heaters

Cata-Dyne™ is the industry standard in infrared gas catalytic heaters, enclosures, pipeline systems and accessories. Customers across a wide range of industries rely on Cata-Dyne™ to supply them with safe, reliable, efficient and versatile infrared catalytic heating equipment for a variety of applications in both hazardous and non-hazardous environments.

 **Ruffneck™**

Heaters for the Harshest Environments

Ruffneck™ is renowned for its rugged, reliable and versatile heavy-duty explosion-proof heaters, heating systems and heating accessories. Ruffneck™ has a long and proud history of supplying quality heating products for the harshest industrial environments to a worldwide customer base for over 30 years. Ruffneck™ is well-known in the industry for its "ship the heat in a week" policy, where 95% of all standard orders are shipped within one week of order placement.

 **Caloritech™**

Engineered Electric Heat

Caloritech™ electric heaters, heating elements and heating accessories are well-known in the industry for their quality, reliability, performance and versatility. In addition to standard "off the shelf" industrial heaters and heating systems components, Caloritech™ also offers engineered heating solutions custom designed, manufactured and tested to satisfy customer specifications. No matter what your application or environment, Caloritech™ has a solution to fit your heating needs.

 **3L Filters™**

Engineered Filtration Systems

3L Filters™ has satisfied the most demanding industrial filtration requirements for over 40 years. A broad range of standard and custom products includes liquid filters, strainers, separators, pressure vessels, and engineered products and systems. 3L Filters has special expertise for nuclear, petrochemical, water treatment and environmental applications.

 **Norseman™**

Electric Explosion-Proof Heaters

Norseman™ is the most technologically advanced line of explosion-proof electric air heaters and heating accessories, including both forced air heaters and natural convection heaters, as well as unit heaters, panel heaters and thermostats. Norseman™ offers innovative, low maintenance solutions for a wide range of applications in a variety of industrial and commercial environments. Custom engineered heaters or heating systems are available for specialized applications.

 **DriQuik™**

Infrared Ovens

DriQuik™ is the market leader in infrared drying ovens and automated pre-finishing systems. DriQuik™ pioneered radiant oven technology in the 1930s and has since been setting the industry standard in infrared radiant heating systems and components for over 75 years.

Visit www.ccithermal.com for detailed product information.

info@ccithermal.com

Edmonton Head Office **Oakville**

1-800-661-8529
(780) 466-3178
F 780-468-5904

1-800-410-3131
(905) 829-4422
F 905-829-4430

Orillia

1-877-325-3473
(705) 325-3473
F 705-325-2106

Greensburg

1-800-473-2402
(812) 663-4141
F 812-663-4202

Made in Canada

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