

Product Guide

CE Marked, ATEX and GOST Certified



CCI Thermal Technologies Inc. presents its broad line of CE Marked, ATEX and GOST certified gas catalytic and electric heaters.



CCI Thermal
Technologies INC.
Heating and Filtration Solutions



CE and ATEX Product Summary

CE Marked & ATEX Certified

Product	Zone	Protection Type	Temp. Codes	IP Rating	Gas Group
Caloritech™ Immersion Heater	1, 21	Ex d	T1 - T6	IP66	IIC
Screwplug Type 3/4" - 3" (19 mm - 75 mm)	2, 22	Ex d		IP66	
Flange Type 1" - 4" (25 mm - 100 mm)	1, 21 2, 22	Ex d Ex d	T1 - T6	IP66 IP66	IIC
4" - 24" (100 mm - 600 mm)	1, 21 2, 22	Ex d Ex d	T1 - T6	IP66 IP66	IIC
Pipe Insert Heater Screw Type 3/4" - 3" (19 mm - 75 mm)	1, 21 2, 22	Ex d Ex d	T1 - T6	IP66 IP66	IIC
Flange Type 1" - 4" (25 mm - 100 mm)	1, 21 2, 22	Ex d Ex d	T1 - T6	IP66 IP66	IIC
Circulation Heater 1" - 3" (25 mm - 75 mm)	1, 21 2, 22	Ex d Ex d	T1 - T6	IP66 IP66	IIC
4" - 24" (100 mm - 600 mm)	1, 21 2, 22	Ex d Ex d	T1 - T6	IP66 IP66	IIC
Norseman™ XB Convection Heater	1, 2	EEx d	T3, T4	N/A	IIA, IIB, IIC
Ruffneck™ FE1 Electric Unit Heater	1, 2	Ex d	T3, T4	N/A	IIA, IIB
CF1 Convection Heater	1, 2 1, 2	Ex d Ex d	T2, T3 or T4	N/A IP55	IIA, IIB IIA, IIB, IIC
Cata-Dyne™ WX Catalytic Gas Heater	1, 2	EEx d	T2	N/A	IIA

CE Marked Products for Non-Hazardous Areas

Product	Directive
Caloritech™ Heating Element Tubular, Strip & Calvane™ Heaters	Low Voltage
Radiant Heater	Low Voltage
Immersion Heater Screw Type 3/4" - 3" (19 mm - 75 mm) Screw Type 1" - 24" (25 mm - 600 mm)	Low Voltage & EMC
Pipe Insert Heater Screw Type 3/4" - 3" (19 mm - 75 mm) Flange Type 1" - 4" (25 mm - 100 mm)	Low Voltage & EMC
Circulation Heater 1" - 24" (25 mm - 600 mm)	Low Voltage & EMC
Control Panel	Low Voltage & EMC
Duct Heater	Low Voltage & EMC ²
Ruffneck™ CRE1 Washdown Unit Heater	Low Voltage & EMC
Cata-Dyne™ Catalytic Gas Heater	Low Voltage

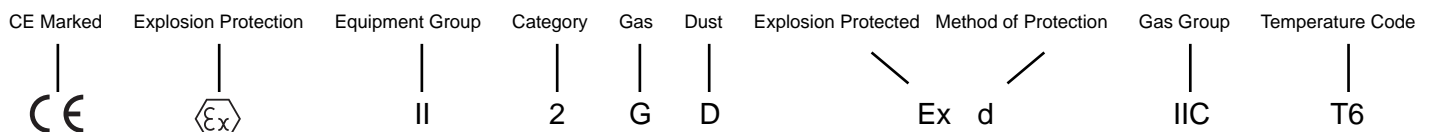
Abbreviations

ATEX	Equipment intended for use in potentially explosive atmospheres - Directive 94/9/EEC
EMC	Electromagnetic Compatibility - Directive 89/336/EEC
LVD	Low Voltage Directive - 73/23/EEC
CEC	Canadian Electrical Code
NEC	National Electrical Code
NEMA	National Electrical Manufacturers Association
IP	Ingress Protection Rating
EN	Euro Norm Specification









Standardizing Bodies

CENELEC	European Committee for Electrotechnical Standardization
IEC	International Electrotechnical Commission

Notes: 2. Optional depending on components certifications.



Manufacturing Certifications

Certificate No.	Applicable Symbols	Manufacturing Location	Description/Product Class	Products Covered
003640	ISO 9001:2008	Oakville	Quality Management System	All Products
013960	ISO 9001:2000	Orillia	Quality Management System	All Products
800122	ISO 9001:2000	Edmonton	Quality Management System	All Products
ITS 04ATEXQ2130	IECEX 	Edmonton	Quality Assurance Notification	Ruffneck™ and Norseman™ Products
KEMA 05ATEXQ3032		Oakville	Quality Assurance Notification	Immersion and Circulation Heater Products
27,441		Oakville	Heating Boilers Except Cast Iron	Hot Water Boilers and Pressure Vessels
27,440		Oakville	Manufacture and Assembly of Power Boilers	Steam Boilers and Pressure Vessels
27,443		Oakville	Manufacture of Pressure Vessels	Pressure Vessels (Other than Hot Water & Steam)
None		Oakville	Manufacture of Boilers and Pressure Vessels to ASME Code - H, S & U Stamps	Pressure Vessels & Boilers
QA.126	TSSA	Oakville	Manufacture of Boilers & Pressure Vessels to ASME Boiler & Pressure Vessel Code, Sections I, IV and VIII, Division 1, and CSA Std. No. B-51 Boiler, Pressure Vessel and Pressure Piping Code	Pressure Vessels & Boilers
QA.181	TSSA	Oakville	Manufacture of Class 1,2 & 3 Parts and Components in Accordance with CSA Std. No. N285.0 - General Requirements for Pressure Retaining Systems and Components in CANDU Nuclear Power Plants	Pressure Vessels and Components for CANDU Power Plants
TS2100550-2009		Oakville	Special Equipment Licensing Office (SELO) Approval for Import of Boilers and Pressure Vessels to The People's Republic of China	Boilers - Level B (Only for Electric Boilers)
CA/CSA/ QAR06.0011/00	IECEX	Oakville	Quality Assessment Report	Immersion and Circulation Heater Products
POCC CA.HO02. B01196		Oakville/ Edmonton	The Government Committee for Metrology and Standardization	CX Immersion Heater, MX Pipe Insert Heater, EX Circulation Heater, PH Panel Heater, PXFT Panel Heater Convection, BX Convection Heater, DIF/DFD, DIT, DFT Duct Heaters, GE/GX Unit Heaters, OKS, OKB, OK4, OKH Radiant Heaters, XH Explosion-Proof Housing, XT Explosion-Proof Thermostat CPE, CPP, CPS, CPSS Control Panels, VSB/VWB Steam & Water Boilers, WX Industrial Duct Heaters, XDF Explosion-Proof Duct Heaters, DX Over the side Heaters, TX Urn Heaters, CWCB Packaged Circulation Heaters, WX Explosion-Proof Flameless Infrared Catalytic Gas Heater, XB Convection Heater, FR/HP Steam Heater, FE1 Explosion-Proof Forced Air Electric Heater, CR1 Washdown Unit Heater, CF1 Explosion-Proof Convection Electric Heater.

Global Approvals and Certifications

CCI Thermal Technologies Inc. exports its products to a large and growing worldwide customer base in more than 50 countries. The global market can be confident that our products, quality systems and manufacturing processes have undergone stringent testing and auditing by the world's leading approval bodies.

The impressive list of approvals and certifications applicable to CCI Thermal Technologies Inc. products and facilities includes the Canadian Standards Association, Underwriters Laboratories Inc., ISO 9001:2000, CE ATEX, FM Global, Russian GOST and the Chinese Safety Quality License.





CCI Thermal
Technologies Inc.
Heating and Filtration Solutions



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.

 **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.

 **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.

Visit www.ccithermal.com for detailed product information.
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ONLINE RFQ 

Submit your detailed *Request For Quote* on the CCI Thermal products you are interested in directly through our website, any time, from anywhere with an internet connection!

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