

Sub-Form for Gas Design Registration: Custom Fireplaces and Fire Features

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Note: The information on this form is collected to administer the provisions of the BC Safety Standards Act and section 26 of the Freedom of Information and Protection of Privacy Act. If you have questions about the collection, use, or disclosure of this information, contact the Records, Information & Privacy Analyst at 1-866-566-7233.

Please note: Designs may be submitted electronically by e-mail or mailed in on a data CD or data DVD. All electronic documents must be in PDF or Word formats and scans must be legible. Picture files need to be in standard formats and must be clear. Hard copy submissions shall include two copies of all data. Designs must be made by a Certified Professional acceptable to the Authority.

Type of appliance:					Model No.:					
Manufactured by:						<input type="checkbox"/>	Rating plate installed			
Maximum Input:			Minimum Input:			<input type="checkbox"/>	BTUH	<input type="checkbox"/>	KW	
Main Supply Pressure:			<input type="checkbox"/>	PSI	<input type="checkbox"/>	kPa	<input type="checkbox"/>		inches W.C.	
Burner/Manifold Operating Pressure:			<input type="checkbox"/>	PSI	<input type="checkbox"/>	kPa	<input type="checkbox"/>		inches W.C.	
Type of Gas:	<input type="checkbox"/>	Natural Gas	<input type="checkbox"/>	Propane	<input type="checkbox"/>	Bio Gas	<input type="checkbox"/>	LNG	<input type="checkbox"/>	Hydrogen Liquid
	<input type="checkbox"/>	Hydrogen Compressed	<input type="checkbox"/>	CNG	<input type="checkbox"/>	Hybrid mix	<input type="checkbox"/>	Butane	<input type="checkbox"/>	Methane
Specify the codes and standards used in your design beside the use of the CSA B149.1 and CSA B149.3 :										
Please list and separate by comma in the right hand box provided.										

Please submit the following information:

Drawings

- 1. Valve train showing components
- 2. Electrical / control ladder schematics
- 3. Site or room P&ID showing location of appliance and clearances
- 4. Construction of appliance and materials
- 5. Venting diagram if applicable

Specification information sheets:

- 8. Valve, component and control specifications, ratings and certification
*****cut sheets may be used but must be marked up to indicate the specific variations used*****
- 9. Installation and operating manuals

Note: All open fire pits or fire features shall not be installed under any cover, overhang or confined space.

Commercial installations must have a means of protecting the public.

1. Flame tables and fire pits must be protected by tempered glass surrounds at least 12" inches high.
2. All flame tables and fire pits must have pilot safety, and be of an approved auto ignition control.
3. All open fire features in restaurants must be power vented and interlocked with the combustion control. Maximum distances from flame surface to underside of hood shall be 18" inches or of a dimension to effectively capture all the vented gases.
4. Fireplaces must have air wash double layers of glass (inner ceramic and outer tempered) glass temperature must not exceed 120 F/49 C or have protective screen.
5. Public fire effect features must have access control around the appliance or be of a height that is greater than 10 feet or 3 meters depending on size of burner both may be required. You must show compliance to NFPA 160 Standard for the Use of Flame Effects Before an Audience.

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