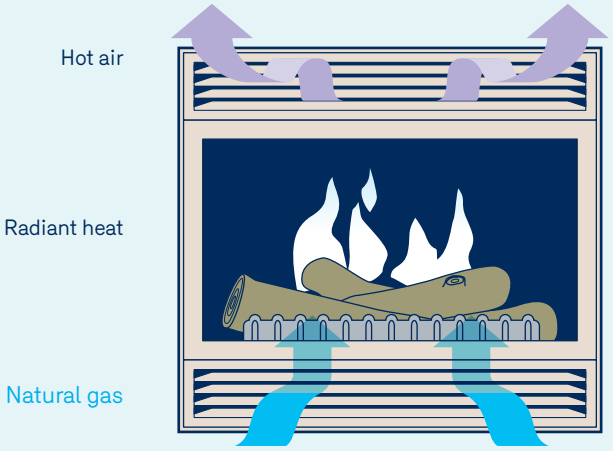
Natural gas fireplace

Concept

The basic concept is to reproduce the warm and soothing aspect of a fire with a natural gas burner. Some models include elements (simulated logs) to add ambiance and show the flames off to advantage.

There are three principal classes for these appliances:

1. A set of burners to convert solid fuel fireplaces;
2. A natural gas appliance certified according to appliance standards;
3. An appliance designed specifically at the request of a customer, which calls for on-site approval.



Advantages

- Controlled by a simple switch or thermostat.
- No wood to be hauled or ashes disposed of; avoids problems with insects, humidity, odour and space.
- Low fire risk, since the appliances are designed according to strict safety standards.
- Simple and inexpensive venting of combustion products, compared with a wood-burning fire. Depending on the model, the fumes can be vented atmospherically or through a wall vent.
- Flexible installation that can be adapted to many room decors.
- May also be used as autonomous supplementary heating (no electrical hook-up needed).

Applications

Natural gas fireplaces offer great flexibility of use and design.

- Apartment buildings
- Hotels
- Entrance halls
- Dining rooms

List of manufacturers

Here is a non-exhaustive list of manufacturers. Natural gas fireplaces may be obtained from the following suppliers:

- Heat & Glow
- Heatilator
- Kingsman
- Montigo
- Napoléon
- National
- Osburn
- Regency
- Town & Country
- Valor
- Vermont Casting

Selection criteria

The selection criteria for a fireplace mostly relate to aesthetics and ambiance. There are a multitude of configurations for a multitude of decors. While high power generates a more dense flame, these appliances give off a lot of heat, so it is important to adapt the power to the size of the room where it is to be installed.

- Renovation of an existing hearth
- Decorative elements

Installation standards

1. A fireplace must be installed by a contractor holding the appropriate licences and must comply with the CAN/CSA-B149.1 Code and the manufacturer's Installation Manual.
2. Particular attention should be paid to approval of the appliance. There are three types of appliances, classed according to the approval required:
   - Standard CSA 2.26 for conversion burners for a fireplace approved according to the standards set for solid fuel combustion.
   - Approval of a recognized organization (CSA, OTL, Intertek, etc.) and compliance with Code CAN/CSA-B149.3 for a fireplace designed specifically at the request of a customer.
   - Code CSA 2.22 or CSA 2.33 for a fireplace which is a gas appliance, certified according to appliance standards. This must be installed as specified in the CAN/CSA-B149.1 Code and according to the manufacturer's Installation Manual.
3. Respect the clearances around the appliance specified by the manufacturer, and make provision for the use of incombustible materials, if necessary.
4. No matter what type of venting is chosen – atmospheric, wall or duct vent – it must comply with the provisions of Code CAN/CSA-B149.1.

* Certain conditions apply

These data are provided for guidance only. This Information Sheet is for general use and must not be considered advice. Please ask for assistance on the questions that concern you and do not rely only on the text in this Information Sheet.

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