

Environmental Choice<sup>M</sup> Program  
Panel Review Process  
**VERIFICATION AND LICENSING CRITERIA**  
CCD-010



**Product Type: Gas Heaters**

**Notice**

Throughout this document, any reference to a standard or guideline means to its latest edition.

The Environmental Choice<sup>M</sup> Program (ECP) reserves the right to accept equivalent test data for the test methods specified in this document.

**Interpretation**

1. In this set of requirements, please note the following definitions:

“CGA” means Canadian Gas Association

“Efficiency” means the maximum output in Btu/h divided by the maximum input, expressed as a percentage. (Refer to the standards listed below in Section 4a for the calculation methodology)

“Gas Heaters” includes “Gas-fired Room Heaters”, “Gas-fired Direct Vented Wall Furnaces” and “Gas-fired Vented wall Furnaces”. They range up to and including 400,000 Btu for use with natural gas or propane.

“Gas-fired Direct Vented Wall Furnaces” means a system consisting of an appliance, combustion air and flue gas connectors between the appliance and the outdoor atmosphere, and a vent cap supplied by the manufacturer and constructed so that all air for combustion is obtained from the outdoor environment and all flue gases are discharged to the outdoor environment. The appliance shall be complete with grilles or equivalent, designed for incorporation in, or permanent attachment to the structure of the building, mobile housing or recreational vehicle and shall furnish heated air circulated by gravity or by a fan directly into the space to be heated through an opening in the casing. This definition excludes unit heaters, vented wall furnaces, and central furnaces as defined in appropriate standards.

“Gas-fired Vented Room Heaters” means a vented self-contained free standing, non-recessed gas-burning appliance for furnishing warm air directly to the space in which the appliance is installed without the use of vent connections. Room heaters may fall into one of three subcategories:

**INACTIVE**

- (i) “vent circulator”, a room heater designed to convert the energy in fuel gas to convected and radiant heat by transfer of heat from flue gases to the heat exchanger surface without mixing the flue gases with the circulated air.
- (ii) “fan type vented circulator”, a vented circulator equipped with a circulating air fan, the operation of which is necessary for satisfactory appliance performance.
- (iii) “vented overhead heater”, a room heater designed for suspension from, attached to, or adjacent to the ceiling of the room being heated.

“Gas-fired Vented Wall Furnaces” means a self-contained vented appliance complete with grilles or equivalent designed for incorporation in, or as a permanent attachment to, the structure of a building, and furnishing heated air circulated by gravity or by a fan directly into the space to be heated through openings in the casing. This definition excludes floor furnaces, unit heaters, direct vent wall furnaces and central furnaces as defined in appropriate standards.

### General Requirements

2. In order to minimize the solid waste burden, conserve resources, and reduce quantities and impacts of toxic substances and other pollutants associated with packaging, the ECP requires the submission of an attestation of commitment to the objectives of the National Packaging Protocol.
3. To be authorized to carry the EcoLogo<sup>M</sup>, the *gas-fired heater* must:
  - (a) meet or exceed all applicable governmental and industrial safety and performance standards; and
  - (b) be provided in such a manner that all steps of the process, including the disposal of waste products arising therefrom, will meet the requirements of all applicable governmental acts, by laws and regulations including, for facilities located in Canada, the *Fisheries Act* and the *Canadian Environmental Protection Act (CEPA)*.

### Product Specific Requirements

4. To be authorized to carry the EcoLogo:
  - (a) the Gas Heater shall be constructed, tested and will perform in accordance with the specifications of:
    - CAN-2.1-86 (R1996) - *Gas Fired Vented Room Heaters*; **or**,
    - CAN/CGA-2.5-M86 (R1996) - *Gas Fired Gravity and Fan Type Vented Wall Furnaces*; **or**,
    - CAN/CGA-2.19-M81 (R1996) - *Gas Fired Gravity and Fan Type Direct Vented Wall Furnaces*.
  - (b) Gas-fired vented room heaters must demonstrate an efficiency of at least 78.5%;

- (c) Gas-fired gravity and fan type vented wall furnaces must demonstrate an efficiency of at least 78.9%;
- (d) Gas-fired gravity and fan type direct vented wall furnaces must demonstrate an efficiency of at least 80%.

## Verification

- 5. To verify a claim that a service meets the criteria listed in this document, the ECP will require access, as is its normal practice, to relevant quality control and production records and the right of access to production facilities on an announced basis.
- 6. Compliance with requirement 3(b) shall be attested to by a signed statement of the Chief Executive Officer or the equivalent officer of the licensee. The ECP shall be advised in writing immediately by the licensee of any noncompliance which may occur during the term of the license. On the occurrence of any noncompliance, the license may be suspended or terminated as stipulated in the license agreement.

## Conditions for EcoLogo Use

- 8. The EcoLogo may appear on retail or wholesale products, signs or sign boards, point-of-purchase displays, delivery vehicles, and any accompanying advertising or corporate literature provided the service meets the requirements in this document.
- 9. All licensees and authorized users must comply with the ECP's *Guide to Proper Use of the EcoLogo<sup>M</sup>* regarding the format and usage of the EcoLogo.
- 10. Any accompanying advertising must conform with the relevant requirements stipulated in this guideline, the license agreement and the ECP's *Guide to Proper Use of the EcoLogo<sup>M</sup>*.