# SPECIFICATIONS AND REQUIREMENTS

**WARNING: This appliance is for installation only in a:**

1. Solid-fuel-burning masonry or UL-127 factory-built fireplace, or
2. Listed ventless firebox enclosure.

The G23 has been designed certified for these installations.
Exception: DO NOT install this appliance in a factory built fireplace that includes instructions stating it has not been tested or should not be used with unvented burner systems.

**Note:** Installation in any other fireplace is prohibited and will void any approvals and warranties.

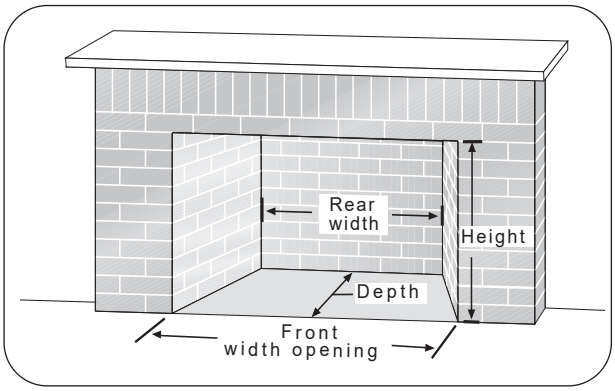



**Fig. 3-1** Fireplace Dimensions

## Any installation of this appliance is subject to minimum fireplace size requirements below:

| Burner Model | Minimum Fireplace Size (refer to Fig. 3-1) | | | | BTU Rating | | | |
|---|---|---|---|---|---|---|---|---|
| | Width | | Depth | Height | Nat. Gas | | L.P. Gas | |
| | Front | Rear* | | | Low setting † | High Setting | Low setting † | High Setting |
| **G23-18** | 24" | 20" | 15" | 17" | 22k | 28k | 22K | 28K |
| **G23-24** | 30" | 22" | 15" | 17" | 28k | 37k | 24K | 37K |

* based on minimum depth
† Low Setting is only available on 01V models

This burner system is equipped with an Oxygen Depletion Sensor (ODS) safety pilot system. The ODS senses the amount of oxygen available in the room and shuts the burner system off before the oxygen level drops below 18%. The pilot can only be relit when fresh air is available. **This may require opening a window or a door to another room or cracking the damper open slightly.**

This burner system has been certified to two standards:

UNVENTED ROOM HEATER-ANSI Z21.11.2

VENTED DECORATIVE APPLIANCE-ANSI Z21.60

Check local or state codes to determine if vent-free heaters are permitted in your locality before you install this burner system as a vent-free appliance. If not permitted, you may install and operate this burner system as a vented appliance.

This unit may not be installed in a vented fireplace with a chimney of less than 15 feet in height.

Observing minimum fireplace dimensions and centering the appliance in the fireplace will ensure adequate clearance for operation and servicing. It may be necessary to disconnect the unit for some types of service.

| **Minimum Permanent Chimney Vent Opening in sq. in. (when used as a vented appliance)** | | |
|---|---|---|
| | **Factory built fireplaces*** | |
| **Chimney Height** | **18"** | **24"** |
| 15' | 13 | 15 |
| 20' | 11 | 13 |
| 25' | 10 | 11 |
| 30' | 9 | 10 |
| *For masonry-built fireplaces, add 10 sq. in. to amount shown. | | |

**Table 3-1** Minimum permanent free opening

| Specification | Value | Qty. |
|---|---|---|
| Remote receiver battery type | AA battery | 4 |
| Remote transmitter battery type | 12V battery | 1 |
| 01V Models remote transmitter battery type | 9V battery | 1 |

**Table 3-2** Technical Data (if applicable)

# SPECIFICATIONS AND REQUIREMENTS (cont.)

Only the Real Fyre decorative media options listed below are approved for use with this product. Follow the recommendations for media amounts. This burner system includes black glass media to be placed on the fireplace floor surrounding the burner system. Fyre sphere decorative media options are purchased separately; contact your local Real Fyre dealer when ordering.

**Glass media (included):**

| Model Size | Correct Amount of Glass |
|---|---|
| 18" | 10 lbs |
| 24" | 15 lbs |

**Table 4-1** - Black Glass Amounts

**Fyre spheres (not included):**

| Model Size | Fyre Spheres | | | Correct Amount of Fyre Spheres |
|---|---|---|---|---|
| | Carrera marble model # | Epic Black model # | Gray Stone model # | 4" spheres |
| **18"** | US4-18-CM | US4-18-EB | US4-18-GS | 16 |
| **24"** | US4-24-CM | US4-24-EB | US4-24-GS | 22 |

**Table 4-2** - Fyre Sphere Amounts

**See FYRE SPHERE PLACEMENT and GLASS MEDIA PLACEMENT sections for more details**