

FLARE FIREPLACES | TRADITIONAL AIR INTAKE MANUAL

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AIR INTAKE OVERVIEW

Any **Flare** Fireplace that has been equipped with the Cool Glass safety barrier (*Double/Triple Glass*), or a Blower Kit system is required to build an Air Intake into the framing and finishing work of your fireplace surround. When planning for this opening(s) you are only limited by your creativity, the space, and the fireplace specifications outlined in the installation manual. You'll want to consider the following three ideals when planning these opening(s):

1. Sizing based on fireplace size and any open-air-flow restrictions.
2. Positioning.
3. Balancing sizing and positioning.

SIZING

The Air Intake opening(s) must be built for maximum air flow to take convection and help circulate air throughout the fireplace surround. Any restrictive vents or grates must be taken into consideration when planning your opening(s) size. **The following size-outline represents the absolute minimum requirements for implementing a properly sized Air Intake.** Please note that the larger these opening(s) are, the more air will enter the surround, making your Cool Glass barrier even cooler to the touch.

Fireplaces **42"** and **46"** must have a minimum of 70 SQ" of open-air flow.

Fireplaces **39"** must have a minimum of 50 SQ" of open-air flow.

A lower vent opening may be installed at the sides of the enclosure (one on every side), back or front. It is recommended to place one opening on either side of longer units, to allow for better distribution of air taken in from the bottom.

POSITIONING

The position of your Air Intake is remarkably important to the successful long-term operation of your fireplace. The following key points must be considered when planning for where you will place your Air Intake opening(s).

- Is my Air Intake opening(s) evenly distributing fresh air underside of the fireplace running the linear length of my fireplace?
- Is my Air Intake positioned on both sides of my cavity if I plan to use an option that places my opening(s) on the side of my cavity?
- If my fireplace is on a platform, and is my platform penetrated with enough open space for fresh air to cool the glass?
- * Is my Air Intake opening(s) interior facing?

* All Air Intake ventilation openings must be on the inside of your project to prevent the fireplace, and all its electronic components, from being exposed to the outside elements. Things like humidity, dust, and debris can all wreak havoc on the electronic components operating the fireplace and all its safety systems. This type of exposure is not covered under the [Manufacturer's Warranty](#).

BALANCING SIZING AND POSITIONING

Every job and its variables are unique, so every Air Intake and its implementation are unique. As the educated person onsite, it is your job to use these ideals we've outlined to determine if your implementation will realistically operate the way it is intended. Air-flow restrictions, minimum sizing, location, how far fresh air must travel, is there a platform to penetrate, are all just some of the simple questions to ask yourself when working with your customers to determine the smartest implementation of these required elements.

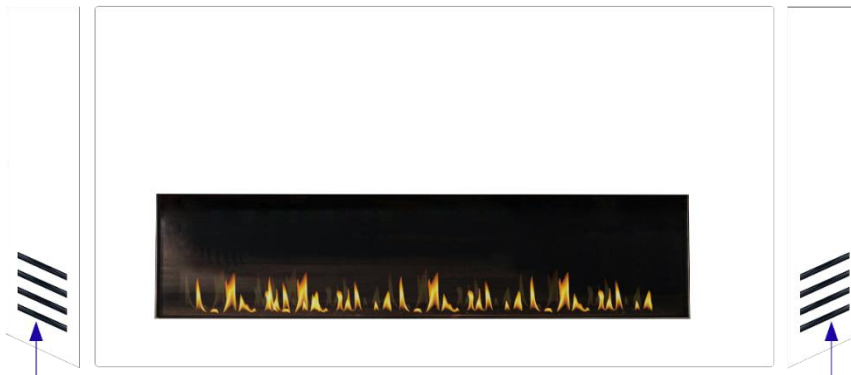
EXAMPLES OF AIR INTAKES

Below are incredible ideas on how to implement your Air Intake within your own Flare Fireplace projects. For further clarity of to have any of your more specific questions answered please do not hesitate to reach out directly.

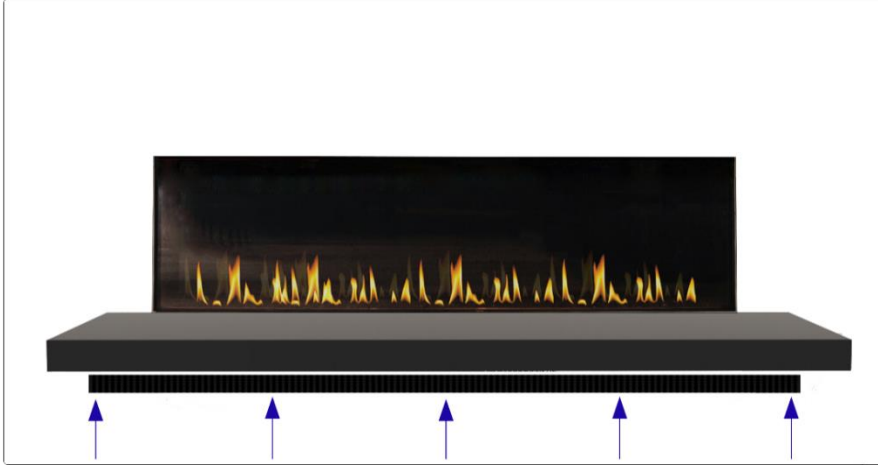
TOE-KICK REVEAL



SIDE VENTS



FLOATING HEARTH



LINEAR SLOT

