

PRE-PLANNING GUIDE FOR VENT FREE FIREPLACES

GAS PRESSURE

SPARK products are engineered, safety tested and certified to function properly within a specific gas supply pressure range. It is **CRITICALLY IMPORTANT** that the gas lines be properly sized and installed by a licensed plumber and/or certified gas technician to deliver **continuous operating pressure** within the range stated for each product.

Several variables should be taken into consideration when sizing the gas lines:

1. Overall peak demand on the system.
2. Length of run
3. Number of elbows in the run. (these will cause restrictions in the line and can adversely affect the flow of gas through the system)
4. No log lighter valves should be included in the system (if one is preexisting it must be removed)

Failure to supply minimum running pressure will cause the unit to perform poorly- if at all- less than minimum supply pressure is not covered under warranty.

· IMPORTANT VENT FREE RESTRICTIONS

It is important that you follow these restrictions when installing a vent-free fireplace. They are prohibited in certain geographies so you must check local building codes. Vent-free fireplace are prohibited in **Canada, California and NYC**. Vent-free fireplaces are also prohibited for use in **bedrooms, bathrooms**.

· ELEVATION

All installations above 4500 feet above sea level require special consideration and possible product de-regulating at the factory. If you are planning to use a SPARK product above 4500 ft it is critical to indicate this early in your investigation/ product selection and certainly mention it in the order process.

· AIR SUPPLY

Carefully plan where you will install the firebox. This will save time and money later when you install the firebox. All fuel-burning appliances need fresh air for proper combustion and ventilation.

This is an unvented gas-fired heater. It uses air (oxygen) from the room in which it is installed adequate combustion and ventilating air must be provided. This fireplace has an Oxygen Depletion Sensing (ODS) safety shutoff system. The ODS shuts down the fireplace if enough fresh air is not available.

· GAS TYPE

Make sure you use the correct gas type (natural or propane/LP) for your fireplace. If your gas supply is not correct, do not install fireplace. Call dealer where you bought fireplace for proper type fireplace.