SPECIFICATIONS

Real Fyre gas burner systems must be installed only in a wood burning fireplace with the minimum firebox dimensions and venting requirements met (see following tables). This appliance is designed to burn with yellow flames; adequate ventilation is absolutely necessary.

Product Specifications

Model	BTU Rating	
	Nat. Gas	L.P. Gas
G45-16/19	39k	39k
G45-18/20	75k	50k
G45-24	90k	65k
G45-30	90k	65k
[G45-36]	120k	90k
[G45-42]	130k	110k
[G45-48]	145k	115k
[G45-60]	150k	120k

Table 1 - Product BTUs

Model (MATCH-LIT) (NAT. GAS ONLY)	Minimum Fireplace Size			
	Width *		Depth ‡	Height
	Front	Rear †		
G45-16/19 (16" log set)	19"	16"	11"	17"
G45-16/19 (19" log set)	22"	17"	11"	17"
G45-18/20	24"	18"	13" ♦	17"
G45-24	28"	23"	13" ♦	17"
G45-30	34"	27"	14" ♦	17"
[G45-36]	40"	34"	15"	17"
[G45-42]	46"	40"	20"	17"
[G45-48]	53"	45"	20"	17"
[G45-60]	64"	56"	20"	17"

Table 2 - Minimum Fireplace Size: Match-lit (burner only)

Model (WITH SAFETY PILOT KIT) (NAT. OR L.P. GAS) ▲	Minimum Fireplace Size			
	Width *		Depth ‡	Height
	Front	Rear †		
G45-16/19 (16" log set)	26"	22"	11"	17"
G45-16/19 (19" log set)	26"	22"	11"	17"
G45-18/20	29"	25"	13" ♦	17"
G45-24	34"	29"	13" ♦	17"
G45-30	39"	34"	14" ♦	17"
[G45-36]	46"	39"	15"	17"
[G45-42]	51"	45"	20"	17"
[G45-48]	58"	52"	20"	17"
[G45-60]	69"	63"	20"	17"

Table 3 - Minimum Fireplace Size: Burner with safety pilot kit

Important Information Regarding Dimensions

* These required widths allow for centering of the unit.

† Rear width is at corresponding depth.

‡ If an ash lip exists, the depth requirement begins inside of the lip (see FIREPLACE REQUIREMENTS section on following page).

♦ Add 1" to depth when using heavy duty grate.

[] Bracketed models indicate non-listed models.

▲ **For Nat. gas models, a safety pilot kit is optional. For L.P. models, a kit is required (use the included SPK-26P, or an optional kit). See SAFETY PILOT KITS section on following page for more details.**

Note: Table 3 dimensions apply for all safety pilot kits.

SAFETY PILOT KITS

THIS BURNER COMES WITHOUT A VALVE INSTALLED.

NATURAL GAS MODELS CAN BE INSTALLED TO AND OPERATED BY YOUR FIREPLACE VALVE, OR ONE OF THE OPTIONAL R.H. PETERSON SAFETY PILOT KITS (SEE BELOW).

FOR PROPANE MODELS, YOUR BURNER MUST BE INSTALLED WITH THE INCLUDED SAFETY PILOT KIT (SPK-26P), OR ONE OF THE OPTIONAL R.H. PETERSON SAFETY PILOT KITS (SEE BELOW).

Contact your local Real Fyre dealer when ordering.

To comply with certification, listings, and building code acceptances, and for safe operation and proper performance of this burner system, you must use ONLY R.H. Peterson parts and accessories.

Description	Model
Low Profile, Safety Pilot Kit	SPK-26(P)
High Capacity, Automatic Pilot Kit with basic transmitter & receiver	APK-10(P)
Automatic Pilot Kit with basic transmitter & receiver	APK-11(P)
Variable, Automatic Pilot Kit with basic transmitter & receiver	APK-15(P)
Low Profile, Variable, Automatic Pilot Kit with basic transmitter & receiver	APK-17(P)
Electronic Pilot Kit with on/off basic transmitter & receiver	EPK-2(P)
110 Volt Powered Electronic, non-standing pilot system	EPK-2M-AD(/LP)
110 Volt Powered Electronic, non-standing pilot system with variable flame height control	EPK-2V(P)-TR
High Capacity, 110 Volt Powered Electronic, non-standing pilot system w/variable flame height control	EPK-3V(P)-TR
Electronic Pilot System with hot surface ignition and smart valve	EPK-05(P)
Manual On/Off Valve with extension and knob handle or rod handle	AV-17 / AV-18

Table 4 - Optional Safety Pilot Kits

ASH LIP/RECESS REQUIREMENTS (if applicable)

- DO NOT install this burner system in a fireplace with an ash lip or recess greater than 3/4".
- The depth (as indicated in the chart above) begins inside of the lip.

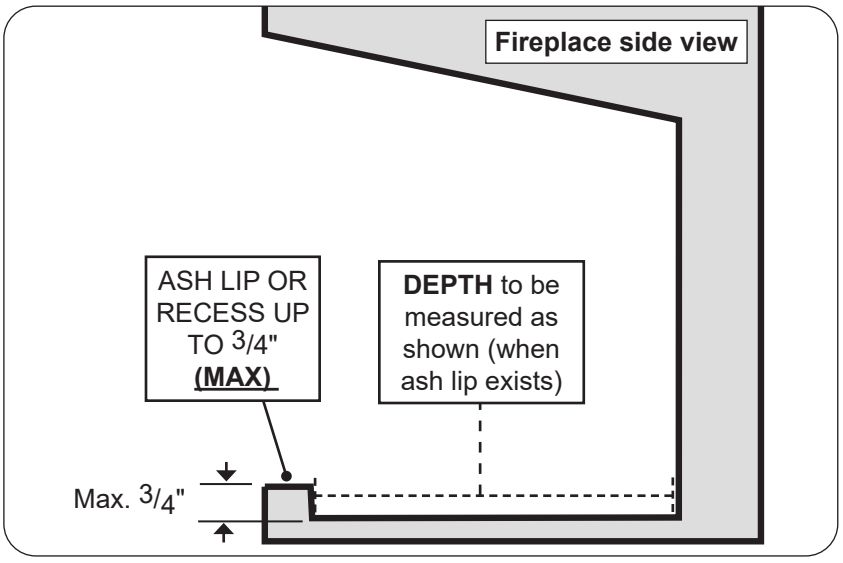

Fig. 6-1 Ash lip/recess detail

Fireplace Requirements (cont.)

Glass Doors

If this burner system is installed in a fireplace with glass doors, and the doors have a frame that OBSTRUCTS AIRFLOW to the fireplace floor, the frame MUST have slots (above the fireplace floor) that allow adequate ventilation. See Fig. 7-1.

Important: The opening (with doors fully open) MUST meet the minimum fireplace size front width and height requirements. See Table 1 (previous page) and Fig. 7-1.

Important: The glass doors MUST be fully open when the burner is in operation.

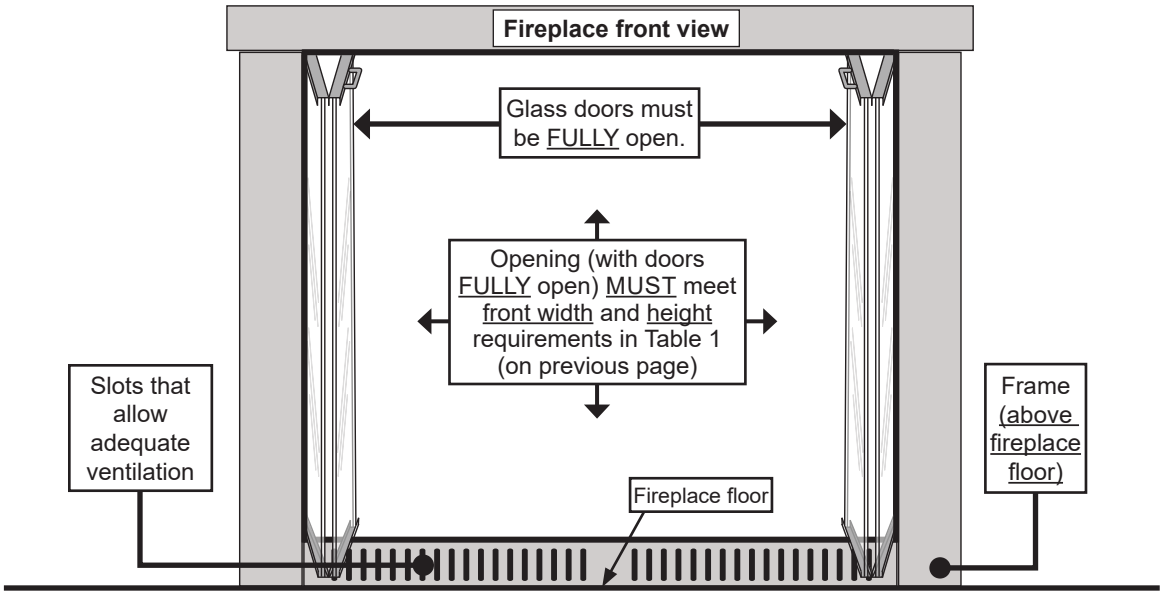

Fig. 7-1 Correct glass-doors frame setup, ventilation, and use (if applicable)

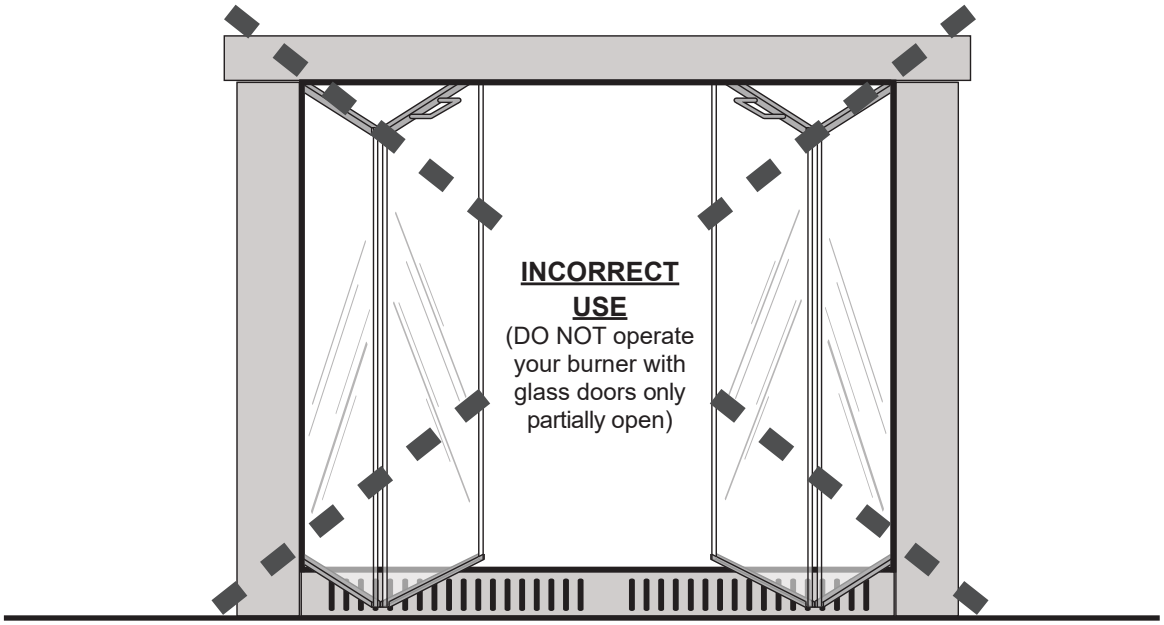

Fig. 7-2 Incorrect glass-doors frame setup, ventilation, and use (if applicable)