



# Vented Gas Log General Information Bi-Flo Ember Burners

Sierra Radiant Heat Gas Logs are crafted from high quality ceramic materials and utilize a proprietary Bi-Flo burner system US Patent 5,263,852. The burner system provide maximum decorative effect by directing 60% of the gas forward. New for the Bi-flo system is our Ember Bed Grate and burning effect log stack which maximizes the natural flame effect with glowing embers. The Bi-Flo burner uses a lower gas burn to provide the premium burn reducing hourly operating costs. This system is only available from Sierra Radiant Heat Gas Logs.

The following information is provided for planning and purchasing a Sierra Vented Gas Log for installation in a vented solid fuel burning fireplace. Please follow the installation manual provided with your appliance and local building and safety codes during your installation. Additional information is available at our website [www.sierraproductsinc.net](http://www.sierraproductsinc.net).

**GAS RATINGS:**

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TYPE OF GAS:		NATURAL	L.P. (PROPANE)
MAX. INPUT RATING:	-18	46000 BTU	46000 BTU
	-24	57000 BTU	57000 BTU
	-30	80000 BTU	80000 BTU
† MIN. SUPPLY PRESSURE:		5.0 in.WC (1.24 kPa)	11.0 in.WC (2.74 kPa)
MAX. SUPPLY PRESSURE:		7.0 in.WC (1.74 kPa)	13.0 in.WC (3.23 kPa)

† For the purpose of input adjustment.

**EMBER BED GRATE MATERIAL SUMMARY:**

<b>Tools Required :</b> <ul style="list-style-type: none"> <li>■ Pipe Wrench</li> <li>■ Adjustable Open End Wrench</li> <li>■ Pipe Sealer</li> </ul>	<b>Included in your set :</b> <ul style="list-style-type: none"> <li>■ Bi-Flo Burner Pan Assembly</li> <li>■ Gas Connection Kit</li> <li>■ Burner Granules, Crushed Lava Rock &amp; Ember Material</li> </ul>	
All sets come with <b>four (4) Base Logs</b> and <b>Top Logs</b> as follows:		
<b>Model</b>	<b>Base Log Qty</b>	<b>Total Logs Qty</b>
18	4	8
24	6	10
30	8	12

## FIREPLACE SIZING AND MINIMUM VENT HEIGHTS

MODEL NUMBERS	MO, MP, SO		
	-18	-24	-30
FIREPLACE MIN. WIDTH	30"	36"	42"
FIREPLACE MIN. DEPTH	14"	14"	14"
MIN. PERMANENT DAMPER OPENING	31.2 sq.in/ 8ft. vent height	45.5 sq.in/ 8ft. vent height	52.4 sq.in/ 8ft. vent height
BTU - NG/LP NORMAL SUPPLY In/WC, kPa	46,000 7.0(2.75), 11.0 (2.80)	57,000 7.0(2.75), 11.0 (2.80)	80,000 7.0(2.75), 11.0 (2.80)

## REQUIRED COMPONENTS - DAMPER STOP AND SAFETY PILOT SYSTEM FOR LP GAS

