

**TECHNICAL INFORMATION**

**Series 110**

<b>Subject</b>	<b>Details</b>	
<b>Type of Gas</b>	Natural Gas (NG) or Propane (LPG)	
<b>Vent</b>	5/8" Direct Vent	
<b>Heat Barrier</b>	Screen (standard) or Double Glass (optional)	
<b>Interior Design Media</b>	Wood Style	Log Set with Embers: Charred Oak Clay Logs Split Oak Ceramic Fiber Logs Driftwood Logs
		Mixed Long and Short Branches with Embers
	Ceramic Fiber Stones	Colors: Grey or White
		Size: Large or Small
	Polished Ceramic Glass	Colors: Amber, Black, Blue and Clear
General Note	Leave 20% of burner and grill uncovered by media	
<b>Weight</b>	Clear 110	383 lbs.
	Clear 110H	440 lbs.
	Clear 110 RS/LS	364 lbs.
	Clear 110 TS	481 lbs.
	Clear 110 Tunnel	481 lbs.
	Clear 110H Tunnel	364 lbs.
	Minimal 110 (36")	309 lbs.
	Stand Alone 110	481 lbs.
<b>Standard</b>	Safety	ANSI Z21.88/CSA 2.33-2014
	Efficiency	ANSI P.4.1-09
<b>Operation</b>	Mertik Maxitrol Remote Control (full automatic, wall control unit is optional), electronic ignition	
<b>Electrical Requirements</b>	All models are provided with an AC adapter which requires a 110 volts 20-amp outlet. For H Series, the ac adapter does not need to be used as the interior lighting feature in the models are equipped to provide power to the receiver. Double glass and Power Vent features require an additional 2 <sup>nd</sup> and 3 <sup>rd</sup> outlet.	

## Product Specifications

The fireplace has been certified for use with either Natural Gas (NG) or Propane Gas (LPG).

All Ortal fireplaces operate with a direct vent, balanced flue venting system. A direct vent gas fireplace is room-sealed using a glass front. The flue uses natural ventilation to pull air in from and release exhaust gases to the outside. For indoor installation they must be installed maintaining required clearances. Refer to manual for clearance distances. Installation is recommended in living spaces such as bedrooms, living rooms, great rooms, etc.

The fireplace must be properly connected to a venting system.

The fireplace must be installed according to Ortal USA requirements in addition to any local codes that may apply. If none exist, then the current CSA installation code must be followed:

- USA, ANSI Z223.1/NFPA 54
- Canada, CSA B149

## Gas Pressures & Power Output

Models	Gas	Inlet Pressures		Manifold Pressures		Heat Output	
		Min.	Max.	Min.	Max.	Min.	Max.
Clear 110, Clear 110 RS/LS, Clear 110 TS, Clear 110H, Clear 110H Tunnel, Minimal 110 (36"), Stand Alone 110	Natural Gas (NG)	7.0" WC	7.0" WC	2.1" WC	5" WC	22,800 BTU/hr	37,100 BTU/hr
	Propane (LPG)	11.0" WC	11.0" WC	7.3" WC	10.8" WC	22,900 BTU/hr	28,500 BTU/hr

## Parts Included:

- Ortal fireplace box
- Ceramic Glass Panel
- Screen barrier comes standard with every model but may be substituted with the Double Glass feature.
- Choice of Ortal interior media, choose one or mix from these options:
  - Ceramic fiber stones (Grey or White – Large or Small)
  - Long and short branches with beige embers
  - Log set with beige embers (Charred Oak Clay, Split Oak Ceramic Fiber and Driftwood)
  - Polished Ceramic Glass (Clear, Black, Blue and Amber)
- Ortal burner (sizes vary based on fireplace selection)
- Mertix GV60 combination control valve, Mertix Maxitrol GV60 ignition and control system (wireless remote control with battery and receiver) for LPG or NG
- Spark/pilot/thermal coupling unit
- 10mm ratchet wrench
- Mounting brackets
- Full set of flue restrictors
- AC adapter (Electrical requirement: 110 volts 20-amp outlet)