

TECHNICAL INFORMATION

Series 40

Subject	Details	
Type of Gas	Natural Gas (NG) or Propane (LPG)	
Vent	4/5" D rect vent	
Heat Barrier	Screen (standard)	
Interior Design Media	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	
Weight	Clear 40H70	206 lbs
	Clear 40H70 RS/Ls	250 lbs
	Clear 40H70 IS	219 lbs
	Clear 40H70 Tunnel	180 lbs
	Classic Modern	186 lbs
	Stand Alone 40 IS	186 lbs
Standard	Safety	ANSI Z21.88/CSA 2.33 2014
	Efficiency	ANSI PF 1.09
Operation	Vertik Vaxitrol Remote Control (full automatic, wall control unit is optional), electronic ignition	
Electrical Requirements	All models are provided with an AC adapter which requires a 110 volts 20 amp outlet. Power Vent feature requires an additional 20 amp 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 fuel 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 USA 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 40H70 Clear 40H70 45/LS	Natural Gas (NG)	7.0" w.c.	7.0" w.c.	0.9" w.c.	5.4" w.c.	10,400 ± Btu/hr	23,700 ± Btu/hr
Clear 40H70 15 Clear 40H70 Tunnel Close to Modern, Stand Alone 4015	Propane (LPG)	11.0" w.c.	11.0" w.c.	4.4" w.c.	10.9" w.c.	12,800 ± Btu/hr	21,000 ± Btu/hr

Parts Included:

- Ortal fireplace box
- Ceramic Glass Pane
- Screen barrier
- Choice of Ortal interior media, choose one or mix from these options:
 - Ceramic fiberstones (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 section)
- Vertix GV60 combination control valve, Vertix Maxitrol GV60 ignition and control system (wireless remote control with battery and receiver) for LPG or NG
- Spark/pilot/thermocoupling unit
- 10mm ratchet wrench
- Mounting brackets
- Full set of fuel restrictors
- AC adapter (electrical requirement: 110 volts 20 amp outlet)