

TECHNICAL INFORMATION

Series 40

Subject	Details	
Type of Gas	Natural Gas (NG) or Propane (LPG)	
Vent	4/6" Direct 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	230 lbs.
	Clear 40H70 TS	219 lbs.
	Clear 40H70 Tunnel	180 lbs.
	Classic Modern	186 lbs.
	Stand Alone 40 TS	186 lbs.
Standard	Safety	ANSI Z21.88/CSA 2.33-2014
	Efficiency	ANSI P.4.1-09
Operation	Mertik Maxitrol 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 2 nd 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 40H70 Clear 40H70 RS/LS	Natural Gas (NG)	7.0" WC	7.0" WC	0.9" WC	6.4" WC	10,400 BTU/hr	23,700 BTU/hr
Clear 40H70 TS Clear 40H70 Tunnel Classic Modern, Stand Alone 40TS	Propane (LPG)	11.0" WC	11.0" WC	4.4" WC	10.9" WC	12,800 BTU/hr	21,000 BTU/hr

Parts Included:

- Ortal fireplace box
- Ceramic Glass Panel
- Screen barrier
- 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)