

50 PLACE CUPELLATION FURNACE

Fact Sheet



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**FURNACE & ASSAY
SUPPLIES**

PRODUCT SUMMARY

the 50 Place Cupellation Furnace
is suitable for small labs
processing between 100 to
400 samples per day, including
standards.

FUEL SOURCE

Natural Gas
Liquified Petroleum Gas
Oil/Desiel

CRUCIBLES

50 x 6A
50 x 7A or 7A

INTERNAL DIMENSION

450mm deep
250mm wide
145mm high

PAIR WITH

25 Place Fusion Furnace
Electric 20 or 25 Place Fusion
Furnace



ABOUT US

Furnace and Assay Supplies was established in 2007 with a goal to create a fire assay equipment manufacturing company with an unparalleled focus on quality and customer service.

Not only a manufacturer, Furnace and Assay lead the industry with their Technical and Maintenance services. Furnace and Assay understand that in an industry where many Laboratories are in some of the most remote locations in the world, maintenance and technical support can be the difference for their success and survival in a competitive market.

Furnace and Assay service a network of customers worldwide, providing expertise from service and repair of equipment, technical support, design advice for modifying or establishing fire assay rooms. Furnace and Assay offer staff education for furnace equipment operation, maintenance and repair.

"My staff are my family and my clients around the world are my friends."

– Peter Bellinger (Founder)

In an industry where your name and reputation are everything, Furnace and Assay are considered the benchmark for quality. Despite this Furnace and Assay continue to grow and improve, with constant research and development into their manufacturing processes to create a more efficient product and to keep raising the bar.

Furnace & Assay Supplies has an experienced team specialising in manufacturing, servicing and administration. With the guidance and continued involvement of Peter Bellinger and his daughter Megan, the family business feel will not be lost from Furnace and Assay Supplies.

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ENERGY SOURCE

INFORMATION

Depending on regional requirements, furnaces are available with either 110v/60Hz single phase or 240v/50hz single phase electrical inputs



LPG

Power Requirements	Volts – 110/240v
Phase – 1	
Kilowatts – 1	
Fuel Type	LPG (Propane)
Gas Consumption	170MJ Per Hour
Operating Pressure	140 KPA
Gas Pressure Requirements	
Minimum Inlet Pressure – 0 KPA	
Maximum Inlet Pressure – 140 KPA	



NATURAL GAS

Power Requirements	Volts – 110/240v
Phase – 1	
Kilowatts – 1	
Fuel Type	Natural Gas
Gas Consumption	170MJ Per Hour
Operating Pressure	3.5 KPA
Gas Pressure Requirements	
Minimum Inlet Pressure – 3.5 KPA	
Maximum Inlet Pressure – 7 KPA	



OIL

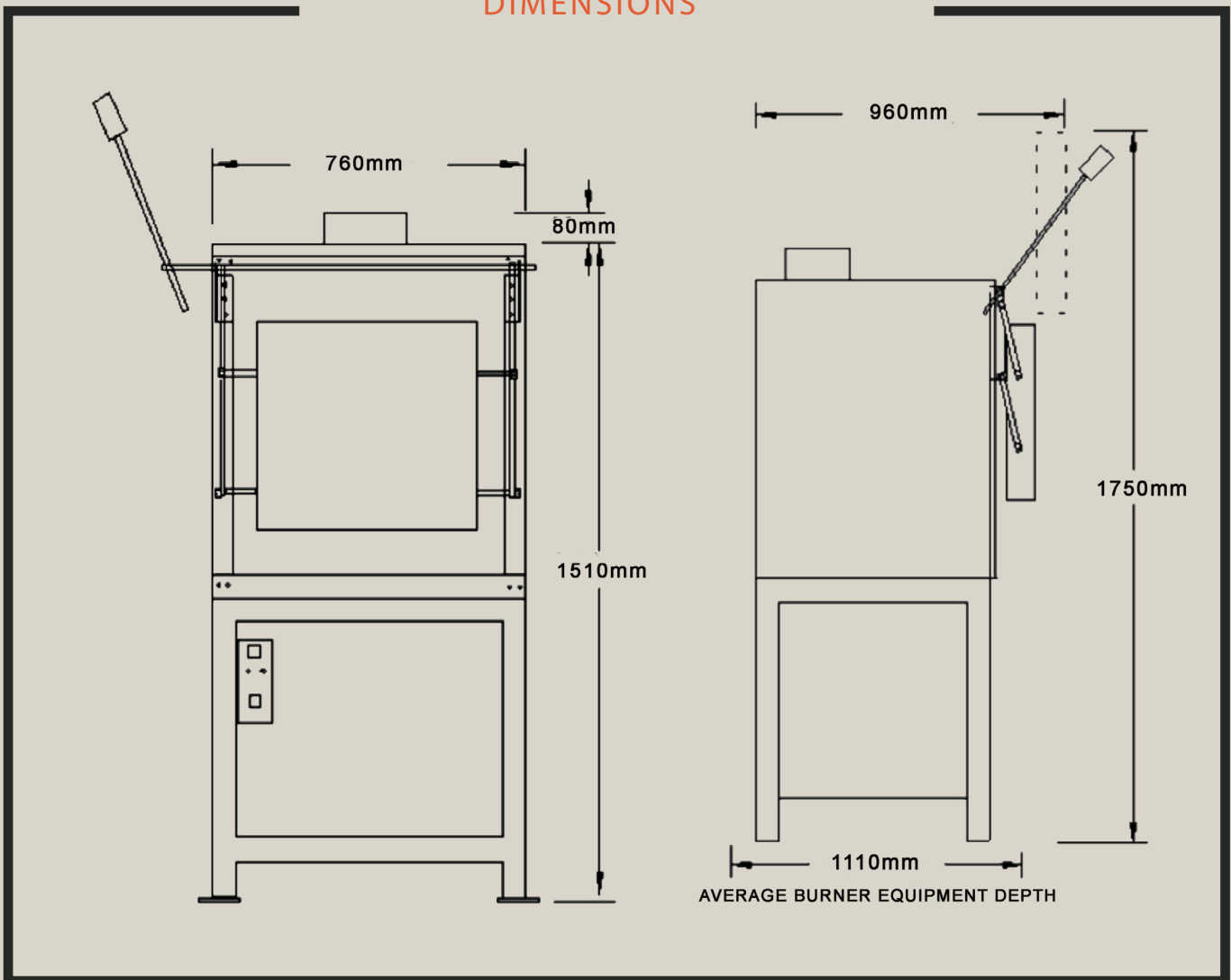
Power Requirements	Volts – 110/240v
Phase – 1	
Kilowatts – 1	
Fuel Type	Oil/Diesel
Pilot Burner Fuel	LPG (Small Gas Bottle)
Operating Pressure	
High Fire – 180 PSI	
Low Fire – 70 PSI	

*LPG INSPIRATOR

Please note: This type of equipment is not suitable for altitudes above 1000 meters and may not be suitable for some countries due to gas regulations.

Refer to FAS-110-NG and FAS-110-NGLPG for LPG fueled system suitable for high altitudes and accepted globally.

DIMENSIONS



SAFETY DEVICES AVAILABLE

- UV Flame Detection
- Low Gas Pressure Detection
- High Gas Pressure Detection
- Air Pressure Switch
- CPI Switch
- Over Temperature Controller

SHIPPING DIMENSIONS

ISPM Heat Treated Export Crates

- Length: 1090mm
- Width: 1240mm
- Height: 1880mm
- Weight: 480kg

CONSTRUCTION

- Base construction uses high-quality 50 x 50 RHS.
- Furnace body construction is durable 2mm laser-cut plate
- High quality refractory brick and insulation
- Bolt holes in base plates of all 4 legs for individual adjustment on uneven surfaces
- Counterweight door with manual lever to open door
- Vent tube height 1160mm
- Optional port viewing window in door

