



450 to 1100°C

- Compact Heatpipe Furnace
- Suits Aluminium, Silver, Gold or Copper Fixed Points
- Can be used for comparison and infrared calibration

Model 426 is for Aluminium, Silver, Gold or Copper slim fixed point cells as well as for comparison calibration. Heatpipes provide the ideal conditions for the creation and maintenance of slim ITS-90 cells.

The furnace core is a specially-designed stress-free isothermal heat pipe, which provides a very low thermal gradient along the core working length.

The heatpipe is designed so that the inner wall is not subject to thermal expansion stresses from the outer wall before the heat pipe reaches conduction temperature. The working fluid is permanently and safely sealed within the plasma-arc welded enclosure.

The Oberon can be used with Blackbody Fixed Point Cells.

POTTS Oberon



Oberon for Aluminium, Gold or Copper Slim Fixed Point Cells

Model	426
Temperature Range	450°C to 1100°C
Stability	±0.05°C
Display resolution	0.1°C
Cavity size	50mm diameter 300mm deep
Time to temperature	4 hours
Communications	Supplied as standard with serial interface, PC adaptor cable and Cal NotePad
Power	110 Vac, 1.5kW, 50/60Hz (230 Vac Transformer available)
Dimensions	Height 410mm Width 415mm Depth 280mm Weight 30.5kgs

Accessories	
Metal Block Bath	Standard Insert 6 x 8mm holes x 250mm deep Non-standard Insert - please consult Isotech
ITS-90 Fixed Point	ITL M 17672 Aluminium Quartz Clad Slim Cell
Apparatus	ITL M 17673 Silver Quartz Clad Slim Cell ITL M 17675 Gold Quartz Clad Slim Cell ITL M 17674 Copper Quartz Clad Slim Cell
Inconel Basket including insulators	426-04-00
230/110V Transformer	935-19-43

How to order
426 Oberon High Temperature Furnace
Please specify voltage required