



450 to 1100°C

POTTS Oberon

- 50 x 300mm Calibration Volume
- Compact Heatpipe Furnace
- Suits Aluminium, Silver or Copper Fixed Points
- Can be used for comparison and infrared calibration

Model 426 is for Aluminium, Silver 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.



Oberon for Aluminium or Copper Slim Fixed Point Cells

Model	426	Accessories	
Temperature Range	450°C to 1100°C	Metal Block Bath	Standard Insert 6 x 8mm holes x 250mm deep Non-standard Insert - please consult Isotech
Stability	±0.05°C	ITS-90 Fixed Point	ITL M 17672QS Aluminium Quartz Clad Slim Cell
Display resolution	0.1°C	Apparatus	ITL M 17673QS Silver Quartz Clad Slim Cell ITL M 17674QS Copper Quartz Clad Slim Cell
Cavity size	50mm diameter 300mm deep	Inconel Basket including insulators	426-04-00
Time to temperature	4 hours	230/110V Transformer	935-19-43
Communications	Supplied as standard with serial interface, PC adaptor cable and Cal NotePad	How to order	426 Oberon High Temperature Furnace Please specify voltage required
Power	110 Vac, 1.5kW, 50/60Hz (230 Vac Transformer available)		
Dimensions	Height 410mm Width 415mm Depth 280mm Weight 30.5kgs		