



450 to 1100°C

- 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.

POTTS Oberon



Oberon for Aluminium or Copper Slim Fixed Point Cells

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|---------------------|--|-------------------------------------|--|
| 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 | |
| Power | 110 Vac, 1.5kW, 50/60Hz (230 Vac Transformer available) | 426 Oberon High Temperature Furnace | |
| Dimensions | Height 410mm Width 415mm Depth 280mm Weight 30.5kgs | Please specify voltage required | |