

## SILICON CARBIDE ELEMENT CUPELLATION FURNACE

### Model SC50CUP-24 (50 place Cupellation)



**Max. Temp.** 1250°C Max.Continuous 1200°C  
**Lining** Silicon carbide floor & roof tiles with JM23 brick-lined outer chamber.  
**Elements** Silicon Carbide double ended elements mounted above & below chamber.  
**Thermocouple** Type 'R'  
**Power Control** Modutemp 3 Phase Control Module. Solid state, phase angle control with automatic power regulation to counter the effects of element ageing. Soft start function.and power metering included.  
**Construction** A door-operated, isolating switch is fitted. Twin skin construction with tubular steel frame clad in steel panels, all powder coated for easy cleaning, over a steel cased heating module. Cooling fan(s) draw air between skins continuously.

**Insulation** JM23 insulating bricks with ceramic fibre board backup insulation.  
**Door** Standard - Stainless steel, counter-balanced, top opening door.  
**Temperature Controller** Yokogawa model UT351 digital P.I.D controller with two-colour display.  
**Venting** Standard - Adjustable preheat venting with particulate (lead) trap and chimney  
 Option - Fan assisted venting for use with corrosive fumes.  
**Overtemperature Protection** Monitory control using a second temperature controller and discrete thermocouple.  
**Optional** 7 day, 24 hour timeswitch.

Model	Cupels	Chamber H x W x D	Power	External H x W x D	Ship.Weight
SC50CUP-24	50place	205 x 255 x 460 mm	14.5Kw	1700 x 1050 x 1070 mm	450Kgs