

SILICON CARBIDE ELEMENT MUFFLE FURNACES (DESIGNED for CUPELLATIONS)

**Models SCM132BV, SC172BV & SCM202BV
(30, 40 & 50 place Cupellation)**



Max. Temp. Lining 1250°C Max.Continuous 1150°C(†)
Silicon carbide removable muffle inside a JM23 brick-lined outer chamber.

Elements Silicon Carbide double ended elements mounted above muffle.

Thermocouple Type 'K', 'N' or 'R'

Power Control Modutemp 3 Phase Control Module. Solid state, phase angle control with adjustable power regulation to counter the effects of element ageing. Soft start function.and power metering included. A door-operated isolating switch is fitted.

Construction Twin skin construction with extruded aluminium 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.
(†)JM26 bricks also available for continuous operation to 1250°C)

Door Standard - Stainless steel, counter-balanced, top opening door.
Optional - Stainless steel, centre pivot, side opening door.

Temperature Controller Yokogawa model UT152 digital P.I.D controller.

Venting Standard - Adjustable preheat venting with particulate (lead) trap and chimney
Option - Fan assisted venting for use with corrosive fumes.

Overtemperature Protection
Standard - Nil.
Option - monitory control using a limit controller and discrete thermocouple.

Model	Cupels	Chamber H x W x D	Power	External H x W x D	Weight
SCM132BV	30place	150 x 230 x 380 mm	10.8Kw	865 x 650 x 740 mm	105Kgs
SCM172BV	40place	150 x 250 x 460 mm	10.8Kw	865 x 650 x 740 mm	110Kgs
SCM202BV	50place	180 x 260 x 460 mm (D)	14.4Kw	865 x 760 x 850 mm	135Kgs