

High-Temperature Furnaces

These furnaces use carefully selected **molybdenum disilicide** heating elements and the highest quality ceramic fibre insulating materials. The results are furnaces able to achieve reliable, repeatable performance at temperatures up to 1800°C(3272°F).

Simple to use, they can be found employed in a variety of testwork in Universities and Colleges as well as in commercial laboratories and ceramic production houses.

Sizes range from 3 litre benchtop models to production models of over 1100 litres capacity.



Technical specifications

Max. Temperature	Models KS37, 77, 157, 277 - 1700°C Models KS38, 78, 158, 278 - 1800°C
Max. Continuous	Models KS37, 77, 157, 277 - 1650°C Models KS38, 78, 158, 278 - 1750°C
Lining	Ceramic fibre hot-face insulation with ceramic fibre back-up.
Elements	Molybdenum Disilicide
Thermocouple	Type 'B' or 'Pt/Rh 20/40'
Power Control	Modutemp Control Module. Solid state phase-angle controller over a step-down transformer with soft-start and current limiting.
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.
Door	Standard - Stainless steel centre pivot side opening door. Optional- Stainless steel, counterbalanced, top opening door.
Temperature Controller	Yokogawa model UP550 digital programmable controller.
Venting	Available for special purposes only.
Overtemperature Protection	Standard - monitory control with a limit controller and discrete thermocouple

Model	Chamber H x W x D (mm)	Power (Kw)	External H x W x D (mm)	Weight
KS37EVM & KS38EVM	150 x 150 x 165 mm	4.8Kw	505 x 840 x 570 mm	120Kgs
KS77EVM & KS78EVM	150 x 150 x 300 mm	5.8Kw	505 x 840 x 570 mm	135Kgs
KS157EVM & KS158EVM	250 x 250 x 250 mm	9.6Kw	635 x 840 x 700 mm	160Kgs
KS277EVM & KS278EVM	300 x 350 x 325 mm	12.0Kw	1635 x 800 x 775 mm	240Kgs