

High Temperature Ovens 500°C



These industrial quality ovens are digitally controlled, designed with the outer cabinet from powder coated steel and the chamber from stainless steel. The shelves are adjustable to give maximum flexibility in use.

Range: 50°C to 500°C
 Digital temperature controller
 Stainless steel chamber
 Super efficient insulation

Uniformly: typically $\leq \pm 5^\circ\text{C}$ at 250°C
 Stability: typically $\leq \pm 1^\circ\text{C}$
 Digital overheat safety protection
 Powerful circulation fan
 Heavy duty door catch & hinges



How they work

These high temperature ovens use a digital controller heating sheathed elements sited in the base of the chamber. Air is drawn in and pre-mixed within the base duct before being forced upwards behind the shelf runners and into the work chamber giving a typical stability typically better than $\pm 1^\circ\text{C}$ and uniformity within the chamber typically $\pm 5^\circ\text{C}$. A small portion of the recirculating air is vented from the chamber and any extracted fumes can be safely removed.

Options

There are several options available ranging from extra shelves and stands to digital programmers. The programmable controller shown here is a special programmer, data logger and electronic chart recorder all in one unit.



Models: 500°C range:	HT-OV-50	HT-OV-100	HT-OV-150	HT-OV-250
Volume	50 litres	100 litres	150 litres	250 litres
External h x w x d mm:	855 x 705 x 465	975 x 705 x 610	1085 x 705 x 702	1111 x 865 x 817
Internal h x w x d mm:	325 x 490 x 310	445 x 490 x 455	555 x 490 x 547	581 x 650 x 662
Max load height mm	275	395	505	526
Shelf positions	15	20	30	32
Shelves supplied	2	3	3	3
Shelf size w x d mm	437 x 290	437 x 435	437 x 527	597 x 637
Power rating (max W)	2000	2500	3000	4000
Net weight KG	70	85	105	145

Other sizes to order. As part of our policy of continuous product improvement, the specifications are subject to change without notice.

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High Temperature Ovens 600°C



This is a range of quality ovens designed to offer reliable continuous use at temperatures up to 600°C. This makes them ideally suited for use within the aerospace and automotive industries as well as general stoving and curing. These will comply with the requirements of AMS2750E heat treatment under Nadcap.

Four sizes are available from 50 to 250 litres. Their construction is robust and uses high quality, heavy duty hinges and door catches. The stainless steel chamber uses quality fans to ensure optimum temperature stability and uniformity at all times. The outside of the ovens is made from steel that has been powder coated to give it an easy to clean finish. Insulation materials used are high density with low thermal mass to offer low heat losses and cool external surface temperatures.

Standard on all models are digital controllers for main temperature control as well as the independent overheat safety protection.

Options: include programmable temperature controllers from major manufacturers like Eurotherm and Ascon; datalogging and communications interfaces; variable speed chamber fans; variable rate extract fan; stacking frames and trolleys; bespoke manufacture, heavy duty shelves, additional heating, etc.

Models: 600°C range:	HT6-OV-50	HT6-OV-100	HT6-OV-150	HT6-OV-250
Volume	50 litres	100 litres	150 litres	250 litres
External h x w x d mm:	975 x 825 x 630	1095 x 825 x 775	1205 x 825 x 867	1230 x 985 x 982
Internal h x w x d mm:	325 x 490 x 310	445 x 490 x 455	555 x 490 x 547	581 x 650 x 662
Max load height mm	275	395	505	526
Shelf positions	15	20	30	32
Shelves supplied	2	3	3	3
Shelf size w x d mm	437 x 290	437 x 435	437 x 527	597 x 637
Power rating (Kw)	2Kw	2.5Kw	3Kw	4.5Kw
Net weight KG				

Other sizes to order. As part of our policy of continuous product improvement, the specifications are subject to change without notice.

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