



# 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.

- Range: 50°C to 500°C
- Digital temperature controller
- Stainless steel chamber
- Super efficient insulation
- Uniformity: typically  $<+5^{\circ}\text{C}$  at 250°C
- Stability: typically  $<+1^{\circ}\text{C}$
- Digital overheat safety protection
- Powerful circulation fan
- Heavy duty door catch and hinges



## How These 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 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 above is a special programmer, data logger and electronic chart recorder all in one unit.

*Order sizes to order*

Models: 500°C Range	VNHT-50	VNHT-100	VNHT-150	VNHT-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
Shelves 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



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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 ensures high quality, heavy duty hinges and door catches. The stainless steel chamber uses quality fans to ensure optimum temperature stability and 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.

*Order sizes to order*

Models: 600°C Range	VNHT6-50	VNHT6-100	VNHT6-150	VNHT6-250
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
Shelves Positions	15	30	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)	2Kw	1.5Kw	3Kw	4.5Kw