

OVENS



mrc



DNO-Series

DNO-D Series, Drying Oven With Natural Convection

Routine drying & sterilization applications up to 200°C and storage at precisely controlled elevated temperature are the strengths of DNO drying ovens.

- **Hot air ovens** are suitable for various applications in the fields of agricultural, and industrial researches for heating, drying, sterilizing and baking in laboratories, hospitals, and industries.
- **PID temperature control** provides automatic compensation after load changes, setting changes or door opening for excellent accuracy.

- **Natural convection** heat distribution combines with adjustable air vents to provide excellent uniformity.
- **Double wall** construction, **fiberglass** insulation and **silicon rubber** door sealing reduce heat loss and power drain.
- **Stainless steel interior** chamber and shelves are corrosion resistant, durable & easy to clean.
- **Power coating exterior** is beautiful, durable, and corrosion resistant.

Features:

- Simple keypad input allows easy temperature setting.
- LED digital display enable users to monitor the chamber temperature at any given time.
- Visual alarm indicator alerts users of abnormal conditions if the chamber temperature exceeds the setting point by 10°C.
- The temperature can be controlled and maintained to 200°C.
- Ovens feature a see-through window to view contents without opening.
- Adjustable shelves are included.
- The temperature stability is $\pm 0.5^\circ\text{C}$ at 100°C; $\pm 1.0^\circ\text{C}$ at 200°C.
- Optional cable port.
- Optional gas inlet.
- Optional forced air.

Specifications:

Model	DNO-20	DNO-30	DNO-50	DNO-80	DNO-150	DNO-300
Convection	Natural convection					
Working temperature	Ambient +5°C ~ 200°C					
Capacity (Liters)	20	30	50	80	150	300
Chamber DIM.(mm)	W300xD310xH230	W325xD310xH315	W380xD365xH390	W420xD450xH463	W625xD510xH500	W625xD510xH1000
Power watts	500	700	1000	1200	1400	2000
Dimensions (mm)	W412xD420xH500	W425xD420xH610	W480xD475xH695	W522xD560xH770	W725xD620xH795	W725xD620xH1465
Accessory	2 Shelves					4 Shelves
Optional accessory	Test tube basket					
Power supply	AC110V 60Hz or 220V 50/60Hz					



DNO-300

DFO-Series, 36 Liter, 80 Liter, 150 Liter, 240 Liter Ovens

DFO Series units are primarily used in applications needing rapid drying and sterilization. Totally homogenous temperature distribution and/or rapid dynamic response. This modern range of ovens is available in 4 sizes. DFO Series offers excellent uniformity and stability & are used for many applications as Glassware drying, warming, sterilizing, ageing, curing, softening, annealing, preheating and testing, drying slides. The inner case is constructed from polished stainless steel. All units are provided with wire plated shelves with multi-position settings. All models are with fan assisted air circulation, the chamber ventilation and exhaust vent are easily adjustable. Wide choice of control options is available, PID controller & timer is fitted as standard with dual display of measured value and setpoint.

Options:

- RS-232 / 485 communication model: 3216E
- 4 programs of 16 segments model: 2416P4
- 5 programs of 8 segments model: 3216CP
- 38, 50, 75, 100mm cable entry port
- Gas inlet
- Interior light.



Typical oven applications include:

- Drying of glassware
- Warming
- Sterilising
- Ageing
- Curing
- Burning-in
- Long term stability testing
- Softening
- Annealing
- Enamelling
- Baking
- Bending
- Tempering
- Pre-heating
- Soldering.

Specifications:

Model	DFO-36	DFO-80	DFO-150	DFO-240
Temp. range	5°C above ambient to - 250°C			
Temp. constancy	±0.1°C			
Temp. uniformity	±1°C at 100°C	±1°C at 100°C	±2°C at 100°C	±2.5°C at 100°C
Temp. control	PID			
Circulation	Forced air - two speed selectable with a switch			
Heater: Oven	1100W	1500W	1800W	2200W
Inside Material	SUS-430			
Timer	1 minute to 99 hours and 59 minutes or continuous			
Window (mm)	W200xH300			W200xH500
Safety devices	Short circuit breaker, over heat protector, sensor abnormality			
Inside dimensions (mm)	W400xD300xH300	W500xD400xH400	W600xD500xH500	W600xD500xH800
Outside dimensions (mm)	W525xD420xH595	W620xD520xH620	W720xD620xH720	W720xD620xH1020
Capacity (Liters)	36	80	150	240
Shelves	2	2	2	3
Max. No. of Shelves	7	10	13	23
Weight	34kg	52kg	75kg	85kg



FD 60-300

FD-XXX-300 Series, 300°C Small Capacity Ovens

A new range of laboratory ovens that are intended for the thermal processing of materials up to a temperature of 300°C. Used for such processes as drying, heating, thermal testing, and aging in an air environment. Forced air circulation allows a homogenous temperature distribution to be achieved during all processes, which ensures optimal results.



FD 420-300

Basic model:

- Forced horizontal air circulation
- Valve control of air extraction (operated via front panel)
- Chamber made of stainless steel
- Hermetically closed doors
- Microprocessor-controlled thermoregulator.
- Buzzer
- Protection against overheating
- Fan revolution controller
- Includes standard shelves
- High-quality, ecological thermal insulation material
- Low electric power usage
- Short heating up/cooling down period
- High degree of accuracy
- Exterior painted with powder coating (RAL 7035).

Options:

- Economical version (Ee) without a fan speed controller and buzzer
- Supplemental shelves
- Reinforced shelves
- Metal tray Reinforced bottom Digital timer
- Data recorder
- Computer connection via RS232/RS-485/USB
- Calibration of temperature measurement system
- Furnace exterior made of stainless steel
- Table for supporting the furnace
- Process observation window.

Model	FD-20	FD-60	FD-120	FD-220	FD-420
Temp. range	Up to 300°C				
Volume (Liter)	20	60	120	220	420
Inside dimen. WxLxH(mm)	240x280x340	380x380x420	550x400x580	730x500x620	1000x500x860
Outside dimen. WxLxH(mm)	460x680x640	600x760x720	750x780x880	930x880x915	1200x930x1200
Power (Kw)	1	2	2.2	4	6.2
Voltage (V)	230				400
No. of Shelves sets/max.	2/5	3/7			
Air Flow	●	●	●	●	●
Weight (kg)	34	50	70	102	155

FD-600P, 200°C Large Capacity Oven**FD-600P****Features:**

- Forced-air convection and three dimensional heating system ensure air circulation and dispersion.
- PID Microprocessor controller with 9 segments and 18 steps, only on 200°C models.
- Large LCD display.
- Optimized sample monitoring with threefold tempered safety glass window.
- Electropolished stainless steel inner chambers and round corners for easy cleaning and better air flowing.
- Safe protections: over-temperature limit protection, 2 separate over-current fuses, protection over electric leakage
- Extensive alarm system for power cut, sensor failure, high and low temperature.
- Automatic running recovery after a power interruption.
- Heat resistant gasket minimizes heat loss and tightly seals the chamber door.
- Adjustable electropolished stainless steel shelving provides air flow around samples for uniformed tempering and allow for easy cleaning.
- 2 shelves included as standard.

The FD-600P forced air drying ovens is engineered for aging, bonding, curing, heat treating annealing, stress relieving, burn-in, hardening and/or test purposes, and also perfectly suited for routing drying and sterilization applications up to 200°C.

FD-600P designed to provide accurate temperature uniformity, with minimized temperature overshoot. The oven can be programmed to run up to 9 different programs with 18 steps of temperatures and time segments.

**Specifications:**

Model	FD-600P
Heating mode	Bottom Heating
Programmable control (9 Segment/18 steps)	Standard
Temperature range (°C)	Ambient +5~200
Temperature accuracy (°C)	0.1
Temperature uniformity (%)	≤±2.5 (200°C)
Alarm	Enabled
Settings	Digital
Display	LCD
Volume (L)	600
Shelve size (mm) (WxD)	725 × 789
Shelve	2 (Maximum 5)
Chamber dimensions (mm)	W800xD780xH1000
Outside dimension (mm)	W990xD910xH1470
Packing dimension (mm)	W1110xD1030xH1640
Net/Gross Weight (kg)	210/255
Power (W)	3700
Voltage	220/240 Volt 50/60 Hz
Approval	CE, ISO



DFO-270/480, Large Force Convection, Single Door

- Ideal for Large Volume Baking Electronic Parts, Drying, Conditioning and Sterilizing
- Inner case is SUS 430 and outside body is powder painting.
- Tempered Safety Glass Window to see inside without door opening
- Install double over temperature protection.
- All models are with fan assisted air circulation, air vent on both sides
- Brake wheels easy to move.

Model	DFO-270	DFO-480
Temp. range	Ambient + 5°C-250°C	
Temp. Accuracy	±1°C	
Temp. control / Display	PID	
Temp. Sensor	K type	
Volume	270L	480L
Timer	1 minute to 99 hours an 59 minutes or continuous	
Shelf (Adjustable)	4	
Power Voltage	220V 50/60Hz 1PH	
Heater Watage	4000W	
Inside dimensions (mm)	W600xD500xH900	W800xD600xH1000
Outside dimensions (mm)	W780xD620xH1520	W980xD720xH1620
Weight	130kg	200kg



DFO-600/720/1008/2160, Large Force Convection, Double Door

- Ovens are used for many applications as baking, drying, conditioning, sterilizing, electroplate, plastic, chemical industry, printing, hard ware, pharmacy, tea fired, bake industry etc
- Inner case is SUS 430 and outside body is powder painting.
- Tempered Safety Glass Window to see inside without door opening
- Install double over temperature protection.
- All models are with fan assisted air circulation, air vent on both sides
- Brake wheels, easy to move
- Silent fan motor.

Model	DFO-600	DFO-720	DFO-1008	DFO-2160
Temp. range	Ambient + 5°C-250°C			
Temp. Accuracy	±1°C			
Temp. control / Display	PID			
Temp. Sensor	Thermocouple K type			
Volume	600L	720L	1008L	2160L
Timer	1 minute to 99 hours an 59 minutes or continuous			
Shelf (Adjustable)	4			
Power Voltage	220V 50/60Hz 1PH		220V 50/60Hz 3PH	
Heater Watage	6370W		8000W	15000W
Inside dimensions (mm)	W1000xD600xH1000	W1200xD600xH1000	W1400xD600xH1200	W1800xD1000xH1200
Outside dimensions (mm)	W1250xD750xH1580	W1450xD750xH1580	W1650xD750xH1820	W2000xD1200xH1980
Weight	300kg	380kg	450kg	590kg

FX14-2/FX28-2, Large Capacity Forced Air 260°C Ovens



The MRC forced air ovens feature 13 or 27 cubic feet of economical oven space. The forced, blower-assisted airflow design offers excellent temperature uniformity and fast recovery. A turbo blower and heavy-duty motor combine to direct air over the shelves and samples for even, constant drying, curing and baking. These units are especially ideal for glassware drying.

The independent overtemperature safety feature is user adjustable and provides added safety.

There are several models to choose from in the MRC forced air product line, with varying sizes and control features. These large capacity units are perfect for high volume sample and drying applications, including production processes.

Features:

- Three inch Adjustable Exhaust Port
- Stainless Steel Shelves
- Independent Overtemperature Safety
- Digital Timer.



FX14-2

Applications:

While oven applications are very diverse, it is possible to break down their uses into three main categories: Drying, Baking and Curing. Common drying applications include drying glassware, paper and pulp, textiles, non-flammable crystalline chemicals solid materials and tissue. Ovens are also used for biochemical research, drug metabolism research, moisture content analysis, pre-heating containers, moisture elimination, chemical precipitation and proteins and starch digestion.

Specifications:

Model	FX14-2*	FX28-2*
Chamber capacity (Liters)	387	781
Temperature Recovery	8min at 150°C	10min at 150°C
Heat-up Time	24min at 150°C	
Temperature Uniformity	±3°C at 110°C	±3.5°C at 150°C
Temperature Range	Ambient +15°C to 260°C	
External dimensions (mm)	W959xD864xH1220	W953xD889xH1988
Internal dimensions (mm)	W781xD628xH787	W781xD635xH1574
Shelves supplied	3 Shelves	6 Shelves
Maximum shelves	8 Shelves	16 Shelves

* All specifications are determined by using average values on standard equipment at an ambient temperature of 25°C (77°F) and line voltages within ±10% of unit type (115V/230V). Temperature specifications follow DIN 12880 methodology. We reserve the right to change specifications at any time.



PF-Series, 300°C Ovens

This modern range of ovens provides a combination of excellent performance & reliability. Increased power and low thermal mass encased fibre insulation ensure both fast heat up times & reduced recovery times. Reduced holding power once at set temp., together with the insulation, makes the range economical & outer case temperatures have been significantly reduced. Both gravity & forced air circulation models are available with a wide choice of control options allowing the most critical performance criteria to be met. Where processes involve the liberation of flammable VAPORS, a stoving & curing option is available. Also, where processes involve large amounts of water, a moisture extraction option is available.

Features

The outer cases are fabricated from corrosion resistant zinc coated mild steel & finished in two tone hard wearing stoved epoxy/polyester coating. The inner case is constructed from polished stainless steel. All units are

provided with non-tilt bright nickel wire plated shelves with multi-position settings for convenient loading & unloading.

Adjustable air ventilation

The chamber ventilation and exhaust vent are easily adjustable from the front control panel, on all bench top models.

Digital temperature control

The control module is able to house many variations of digital instrumentation with simultaneous display of measured and set temperature. Microprocessor based PID controllers are fitted as standard.

Economy and efficiency

Insulation around the oven chamber utilizes totally encased fibre material. This material has a very low thermal mass and thermal conductivity, ensuring very efficient insulation. This also ensures reduced holding power, making the units economical to operate once set temperature has been reached.

Door action

A flush fitting door latch with a concealed mechanism is both simple to use & provides a handle when unlatched. The lever action ensures gentle closure. The door seal design includes a newly formulated silicone compound, providing longer life & durability at maximum temp. The design also allows convenient replacement if necessary.

Control panel

The side mounted control panel avoids damage from accidental spillage.

Safety standards

All units meet the relevant European health and safety at work legislation & the performance criteria of BS 2648 & DIN 50-011. They are manufactured to comply with BS EN 61010: safety standard & also the low voltage & EMC European Directives.

Options:

- Range of over temp. protection systems in accordance with DIN12-880 Part 2.
- Stoving & curing option available for processes involving liberation of flammable vapors.
- Timers: Process timers-manual or automatic. Mechanical or electronic time switches.
- Top access port for independent probe.
- Lockable door latch.
- Exhaust fan *
- Variable speed fan *
- Inert gas connection *
- Flow meter & needle valve.
- Viewing window in door *
- Interior light.
- Air inlet filter.
- Cable entry port *
- Door switch.
- Stands & trolleys.
- Chart recorders.

Model	PF30	PF60	PF120	PF200
Max. Temp (°C)	300	300	300	300
Chamber Dimensions (mm)	(H) 300 (W) 292 (D) 320	400 392 420	500 492 520	750 592 520
Outside Dimensions (mm)	(H) 470 (W) 665 (D) 470	570 765 570	670 865 670	920 965 670
Chamber Capacity (Liters)	28	66	128	230
Weight (kg)	30	45	60	75
Shelves				
Number Supplied	2	2	2	2
Max. Possible	3	5	9	15
Max. Dist load/shelf kg	10	10	10	10
Max load kg	20	30	40	50
Performance				
Power Rating at 240V (watts)	1000	1500	2000	2700
Holding Power* at Max. temp. (watts)	350	600	800	1250
Temp. Uniformity* (at Max. temp. as a%)	±1.0	±1.0	±1.0	±1.0
Temp. Stability on/off control (°C)	±1.0	±1.0	±1.0	±1.0
Temp. Stability PID control (°C)	±2.0	±2.0	±2.0	±2.0
Heat up Times* 100°C (Mins)	4.5	4.5	4.5	5.5
200°C	12	12	12	14
240V 300°C	25	25	25	30
Recovery Times* 100°C (Mins)	1	1	1	1.5
200°C	2.5	2.5	2.5	3
Door Open 60sec 300°C	4	4	4	5
Air Exchanges vol (l/h) @ 100°C	1400	1400	1400	1400
Air Exchanges	50	21	11	6

* These options may affect Chamber Uniformity

Note: A uniformity of ±1%=±1°C at 100°C

*With vents closed.



PN-Series, PEAK Natural Convection General Purpose Laboratory

Ovens with high specification. Suitable for general laboratory heating & drying applications yet with the versatility & optional accessories for more complex and demanding applications. Natural gravity convection offers greater economy and more gentle airflow within the chamber.

Options:

- Over-temperature protection to DIN 12-880 class 2 (recommended to protect valuable contents & for unattended operation).
- Hydraulic over-temperature thermostat.
- MRC 301, PID controller with simple ramp to set-point function.
- Digital countdown timer to switch oven off.
- Top access port for independent thermocouple.
- Accessory shelves & runners.
- Cable access port.
- Viewing window door*.
- Through door illumination system*.
- Stacking frame.
- Key-lock door.
- Door switch.
- Floor stands & wheeled trolleys.
- Routine spares kit.

Features:

- Economical natural convection models
- 300°C maximum operating temp.
- 27 to 215 Liters chamber volumes.
- TLK simple PID controller.
- Chemically resistant stainless steel liner.
- Two nickel-chrome plated wire shelves
- Lever latch door & airtight silicone seal.
- Compliant with safety standards BS EN 61010-2-010-1995 & BS EN 50014:1993.
- Meets "Electrically Heated Drying Oven" performance standard BS 2648.



PN200

Model	Max. Temp. (°C)	Heat-up time to Max. (mins)	Temp. stability °C PID	Temp. uniformity 300°C (±°C)	Recovery time to Max. (mins)	Dimensions		Shelves Fitted/accepted	Shelf loading Each/total (kg)	Vol. (Liters)	Max. Power (W)	Weight (kg)	Power Supply
						Internal HxWxD(mm)	External HxWxD(mm)						
PN30	300	52	±0.5	7.0	8.5	255x330x320	470x665x470	2/3	10 20	27	750 300	30	230V single phase
PN60	300	52	±0.5	7.0	8.5	350x392x420	570x765x570	2/5	10 30	57	1000 480	45	
PN120	300	52	±0.5	7.0	8.5	450x492x520	670x865x670	2/9	10 40	115	1500 720	60	
PN200	300	58	±0.5	7.0	10	700x592x520	920x965x670	2/15	10 50	215	2250 1160	75	

Minimum operating temperature approximately ambient plus 10°C. Uniformity is measured in an empty chamber with vents closed, after a stabilization period. Shelf loadings are based on evenly distributed weight.



PF-SC Series, 300°C Ovens For Solvents

Most vapor explosions in ovens occur when materials that can absorb large quantities of solvent are being processed; typical examples being coils & similar electrical equipment, fibre board & textiles. Every flammable solvent has a lower & upper flammable limit, & unless the concentration of the solvent VAPOR is within this range it will not explode. The range widens, for most solvents, with increasing temp. Precautions must be taken to ensure that no substantial volume of vapor/air mixture within the range of flammability can occur in the oven. It is not sufficient to permit an explosive mixture to form and attempt to obtain safety by preventing foreseeable means of ignition. The precautions must be directed towards keeping the concentration of solvent VAPOR down and this is achieved by permitting only the minimum Quantity of solvent to enter the oven and by ventilating the oven continuously in use, to dilutes the solvent VAPORS emitted to one quarter of the lower flammable limit. The "flash-point" of a substance is the temperature at which it evolves sufficient VAPOR to form an ignitable mixture with air when tested under standard conditions. Thus, if the flash point of a liquid is below the temperature of the work room it will give off VAPOR until (and beyond) the point where the whole room is full of a flammable mixture, or until all the liquid has evaporated. If the flash point is

higher than room temperature, then the liquid will never give off enough VAPOR to form a flammable mixture in the room. Low flash point solvents are thus intrinsically dangerous. However, the choice of a solvent with a high flash point will usually make no difference to the safety of the oven used to evaporate it, since the oven almost inevitably has a working temperature higher than the flash point. It is still most desirable to choose solvents with the highest possible flash points to reduce danger at the dipping, spraying and other processes prior to the oven.

Pre-Treatment: The first step should be to limit as far as possible the amount of solvent entering the oven at each loading. Particular care is needed with articles which have been dipped in paint or varnish to give a thicker coating than is usually obtained by spraying. As much drying as possible should be carried out before the articles are added into the oven. Where the process permits, it is a good practice, both for safety and economy of heat, to allow the load to remain for a short time in a semi-enclosure provided with mechanical exhaust ventilation, so that air at room temperature can remove some of the solvent. This arrangement also has the advantage that dripping in the oven is reduced, whereby the accumulation of paint and varnish residues in the oven became less of a problem.

Ventilation: Reliance on natural convection currents up the chimney is not normally an acceptable method of introducing sufficient fresh air into the oven to prevent a solvent/air explosion mixture forming. The oven should be fitted with mechanical exhaust ventilation. It is important that the exhaust draught should be applied at points in the oven where the rate of evaporation is a maximum, and that there are no dead spots in the oven space where there

is little air movement, with little dilution of the flammable VAPORS as a result. In order to improve the temperature distribution and to obtain an even flow of air throughout the oven it is normal to have some form of air recirculation. A proportion of the VAPOR and fume laden air should be extracted through a flue fitted with its own separate exhaust fan. Reliance on spillage of sufficient VAPOR and fume laden air through a rotund draught flue from the redirection system tends to be unsatisfactory. An interlock between the heat source and the exhaust ventilation is the normal method of ensuring that sufficient air is introduced into the oven for safety.

Explosion Relief & Door Fastening:

Although an oven may be provided with comprehensive precautions, explosions can still occur due to failure of components, inadequate servicing, or deliberate scotching of safety devices. The probability of fatal or serious injury to work people, or serious damage to the oven, can be reduced substantially if suitable explosion relief is provided, coupled with adequate securing of the doors of the oven to prevent their becoming missiles in the event of an explosion. It is recommended that explosion relief panels are fitted to all solvent evaporating ovens irrespective of chamber volume. These notes cover the bare essentials of the requirements for solvent evaporating ovens used in stovng and curing processes.

Model	PF30-SC	PF60-SC	PF120-SC	PF200-SC
Max. Temp (°C)	300	300	300	300
Chamber Dimensions (mm)	(H)	300	400	500
	(W)	292	392	492
	(D)	320	420	520
Outside Dimensions (mm)	(H)	470	570	670
	(W)	665	765	865
	(D)	470	570	670
Chamber Capacity (Liters)	28	66	128	230
Weight (kg)	30	45	60	75
Shelves				
Number Supplied	2	2	2	2
Max. Possible	3	5	9	15
Max. Dist load/shelf kg	10	10	10	10
Max load kg	20	30	40	50
Performance				
Power Rating at 240V (watts)	1000	1500	2000	2700
Holding Power* at Max. temp. (watts)	350	600	800	1250
Temp. Stability on/off control (°C)	±1.0	±1.0	±1.0	±1.0
Temp. Stability PID control (°C)	±0.2	±0.2	±0.2	±0.2
Heat up Times* (Mins)	100°C	4.5	4.5	4.5
	200°C	12	12	12
	240V	25	25	25
Recovery Times* (Mins)	100°C	1	1	1
	200°C	2.5	2.5	2.5
	300°C	4	4	4
Door Open 60sec	240V			
	100°C	1	1	1
	200°C	2.5	2.5	2.5
Air Exchanges vol (l/h) @ 100°C	300°C	4	4	4
	240V			
	100°C	10,000	10,000	10,000
Air Exchanges (Exchanges/Hour)	360	153	79	44



AX60

AX-Series, APEX Ovens 250°C

An uncomplicated economical range of ovens, built to MRC's high standards, with safe external surface temperatures that conform to BSEN61010.

Features:

- 250°C maximum operating temperature.
- 30, 60 or 120 Liters chamber volumes.
- Fan convected for rapid heating & excellent uniformity.
- Chemically resistant stainless steel liner.
- Two adjustable nickel-chrome plated wire shelves.
- Lever latch door & airtight silicone seal.
- Built to comply with BS EN 61010-2-010-1995 & BS EN 50014:1993.
- Meets "Electrically Heated Drying Oven" performance standard BS 2648.

Options:

- Over-temperature protection to DIN 12-880 class 2 (recommended to protect valuable contents and for unattended operation).
- Digital countdown timer to switch oven off.
- Additional sets of shelves & runners.
- Key-lock door.
- Low voltage options for use below 220V.
- Routine spares kit.



Model	Max. Temp. (°C)	Heat-up time to Max. (mins)	Temp. uniformity 250°C (±°C)	Recovery time to Max. (mins)	Dimensions		Shelves Fitted/ Accepted	Vol. (Liters)	Air changes /hr	Max. Power (W)	Weight (kg)	Power Supply
					Internal HxWxD(mm)	External HxWxD(mm)						
AX30	250	23	±5.0	3	295x300x320	440x590x465	2/4	28	65	1000 320	24	230V single phase
AX60	250	25	±5.0	3	395x400x420	540x690x565	2/6	66	28	1500 475	37	
AX120	250	26	±5.0	3	495x500x520	640x790x665	2/8	128	14	2000 650	55	

Minimum operating temperature approximately ambient plus 10°C. Uniformity is measured in an empty chamber with vents closed, after a stabilization period. Shelf loadings are based on evenly distributed weight.



LHT 58/350

LHT 58/350, Chamber Ovens up to 350°C

Economical low temperature electric ovens that are intended for the thermal processing of various materials and parts up to a temperature of 350°C. The products can be used in scientific laboratories, educational institutions, medicine, and industry, Forced air circulation assures an even temperature distribution throughout the chamber, and high quality thermal processing occurs quickly.

Basic model:

- Forced air circulation
- Regulated air intake and extraction
- Chamber made of regular or stainless steel
- Hermetically closed doors
- Microprocessor-controlled thermoregulator
- Includes standard shelves
- High-quality, ecological thermal insulation material
- Low electric power usage
- Short heating up/Cooling down period
- High degree of accuracy
- Exterior painted with powder coating (RAL 7035)
- Up to a 24 month guaranty period.

Model	Vol. l	T max. °C	Chamber DIM. (mm)			Overall DIM. (mm)			Power (kW)	Voltage (V)	Weight (Kg)	Air Flow	Number of shelves		Chamber Material	
			Width	Length	Height	Width	Length	Height					Sets	Max.	Stainless steel	Mild steel
LHT 58/350	58	350	390	380	360	685	675	615	2	230	40	•	3	7	•	○



LHT-Series, Laboratory High Temperature Ovens

Standard features:

- 400°C, 500°C or 600°C Operating temperatures.
- 30, 60 & 120 Liter capacities.
- 301 PID controller with ramp to set point function.
- Heavy duty convection fan for good uniformity.
- Low thermal mass insulation for energy efficiency & rapid heating.
- Corrosion resistant, polished stainless steel interior .
- 2 Multi-position shelves.
- Suitable for continuous operation (see options*) .
- Double skin construction for cool safe outer case .
- Hard wearing, zinc coated & stoved epoxy polyester coated exterior.

Options:

- Cable entry ports .
- Over temperature protection to DIN 12-880 class 2 (recommended to protect valuable contents & for unattended operation)*.
- A range of sophisticated digital control & multi segment programmers is available.
- Optional over temperature protection recommended for continuous operation & to protect valuable contents.
- Process timer.
- RS232/RS485 communications.
- Viewing window.

- Chamber illumination (requires viewing window)**.
 - Variable speed fan.
 - Floor stands & stacking frames.
 - Routine spares kit.
 - Extraction fan (may alter achievable uniformity).
 - Stoving & curing upgrade for use with small volumes of volatile solvent or paint fumes (comprises over temperature protection, extraction fan and an explosion relief panel.
- **The stoving & curing option is not compatible with the viewing door or through door illumination options.

Model	Max. Temp. (°C)	Temp. Stability (°C)	Temp. Uniformity (°C) @250°C	Heat-up time to Max. (mins)	Recovery time to Max. (mins)	Dimensions		Shelves Fitted/ Accepted	Volume (Liters)	Max. Power (W)	Weight (kg)	Power Supply
						Internal HxWxD(mm)	External HxWxD(mm)					
LHT4/30	400	±0.5	±5.0	50	10	300x300x305	570x860x550	2	30	1000	73	230V single phase
LHT4/60	400	±0.5	±5.0	-	16	400x400x405	670x930x670	2/3	60	1500	99	230V single phase
LHT4/120	400	±0.5	±5.0	-	20	645x455x405	920x1060x650	2/4	120	2250	179	230V single phase
LHT5/30	500	±0.5	±5.0	-	10	300x300x305	570x860x550	2	30	2000	73	230V single phase
LHT5/60	500	±0.5	±5.0	50	16	400x400x405	670x930x670	2/3	60	2250	99	230V single phase
LHT5/120	500	±0.5	±5.0	-	20	645x455x405	920x1060x650	2/4	120	3000	179	230V single phase or 3 phase
LHT6/30	600	±0.5	±5.0	70	10	300x300x305	570x860x550	2	30	2000	73	230V single phase
LHT6/60	600	±0.5	±5.0	-	10(+)	400x400x405	670x930x670	2/3	60	2250	99	230V single phase
LHT6/120	600	±0.5	±5.0	-	-	645x455x405	920x1060x650	2/4	120	3000	179	230V single phase or 3 phase

3 phase (uses 2 phases & neutral of 380/220V – 415/240V supply)

(+) Recovery to 500°C set -point



HT6/220

HT4/5/6-Series, HT Industrial High Temperature

Ideal for applications such as tempering, glass annealing, preheating and stress relieving these small scale industrial ovens are able to operate efficiently up to 600°C.

Features:

- 400°C, 500°C or 600°C maximum operating temperature.
- 28, 95 or 220 or 350 Liter capacity.
- 301 controller providing single ramp to set point or countdown process timing.
- Rugged well proven design.
- Excellent performance & reliability.
- Door locks easily operated whilst wearing gloves.
- Stainless steel liner.
- Steel section construction.
- Stainless steel mesh shelves.

Options:

- Over-temperature protection to DIN 12-880 class 2 (recommended to protect valuable contents & for unattended operation).
- Digital process timer.
- Programmable controller.
- Additional shelves.
- Stoving & curing kit to extract volatile fumes.
- Chart recorders & paper free digital acquisition (DAQ) devices.
- Viewing window.
- Fixed or castor mounted floor stands.
- Standard spares kit.
- Bespoke specifications are available for AMS 2750 (NADCAP).



HT6/350

Model	Max. Temp. (°C)	Temp. stability (± °C)	Heat-up time to Max. (mins)	Temp. uniformity (± °C)	Recovery time to Max. (mins)	Dimensions		Shelves Fitted/ accepted	Shelf loading Each/ total (kg)	Vol. (Liters)	Max. power (W)	Power Supply
						Internal HxWxD(mm)	External HxWxD(mm)					
HT4/28	400	±0.5	60	±5.0	10	305x305x305	880x675x885	2/2	10 20	28	1000	Single phase
HT4/95	400	±0.5	60	±5.0	10	455x455x455	1010x880x1120	3/4	15 30	94	3000	Single phase
HT4/220	400	±0.5	60	±5.0	10	610x610x610	1160x1030x1280	3/4	25 50	227	4500	Single phase
HT4/350	400	±0.5	-	±5.0	-	700x700x700	1665x1710x1200	3/4	25 50	343	-	Single phase or 3 phase
HT5/28	500	±0.5	60	±5.0	16	305x305x305	880x675x885	2/2	10 20	28	2500	Single phase
HT5/95	500	±0.5	60	±5.0	16	455x455x455	1010x880x1120	3/4	15 30	94	3000	Single phase
HT5/220	500	±0.5	60	±5.0	16	610x610x610	1160x1030x1280	3/4	25 50	227	4500	Single phase or 3 phase
HT5/350	500	±0.5	-	±5.0	-	700x700x700	1665x1710x1200	3/4	25 50	343	-	Single phase or 3 phase
HT6/28	600	±0.5	75	±5.0	20	305x305x305	880x675x885	2/2	10 20	28	2000	Single phase
HT6/95	600	±0.5	70	±5.0	20	455x455x455	1010x880x1120	3/4	15 30	94	4500	Single phase or 2 phase
HT6/220	600	±0.5	90	±5.0	20	610x610x610	1160x1030x1280	3/4	25 50	227	6000	Single phase or 3 phase
HT6/350	600	±0.5	-	±5.0	-	700x700x700	1665x1710x1200	3/4	25 50	343	9000	3 phase

Minimum operating temperature approximately ambient plus 10°C. Uniformity is measured in an empty chamber with vents closed, after a stabilization period. Shelf loadings are based on evenly distributed weight.

CR-Series, Class 100 Clean Room Ovens



All sources of particulate contamination are fully sealed. The sealed stainless steel interior and gloss white epoxy finish make the ovens easily cleaned.

Options:

Over-temperature protection to DIN 12-880 class 2 (recommended to protect valuable contents & for unattended operation) • HEPA filtered airflow available • Digital process control timers & multi segment programmers available • Paperless DAQ (Data Acquisition) graphical recorders available • Top access port for independent thermocouple • Cable access port • Viewing window door • Through door illumination system • Stacking frame to enable units to be stacked one upon another • Key-lock door • Door switch to cut off power when the door is open • Fully customized through wall (flange fitted) designs are available.

Standard features:

- Designed for operation within Class 100 environments (US FED STD 209E) .
- 250°C maximum operating temperature .
- 30 to 1790 Liter chamber volumes.
- Fully sealed low thermal mass insulation to avoid shedding fibres .
- Fully enclosed brush less fan motor .
- PID controller, with single ramp to set-point facility .
- Smooth easily cleaned gloss epoxy exterior
- Polished stainless steel sealed interior enables use of inert gas atmosphere.
- Perforated stainless steel shelves .
- Particle free silicone rubber door seal.
- Membrane control panel with clear bright LED display.
- Double skin construction for cool safe outer case temperature .
- Fully adjustable chamber ventilation.



Model	Max. Temp. (°C)	Temp. Stability (°C)	Temp. Uniformity (°C) @250°C	Heat-up time to Max. (mins)	Recovery time to Max. (mins)	Dimensions		Shelves Fitted/ Accepted	Shelf Loading Each/ Total (kg)	Volume (Liters)	Max. Power (W)	Power Supply
						Internal HxWxD(mm)	External HxWxD(mm)					
CR/30	250	±0.2	±3.0	35	4	310x310x310	655x460x670	2/3	10 20	30	1000	230V single phase
CR/70	250	±0.2	±3.0	35	4	310x470x470	655x620x820	2/5	10 30	68	1500	230V single phase
CR/130	250	±0.2	±4.0	35	4	550x470x470	895x620x820	3/9	10 40	121	2000	230V single phase
CR/180	250	±0.2	±5.0	58	5	770x470x470	1115x620x820	3/15	10 50	170	2500	230V single phase
CR/220	250	±0.2	±5.0	75	4	610x610x610	1130x780x850	3/5	15 45	227	3000	single phase
CR/330	250	±0.2	±5.0	80	6	915x610x610	1440x780x850	4/8	15 60	340	4500	single phase or 3 phase
CR/450	250	±0.3	±5.0	75	9	1220x610x610	1750x780x850	5/11	15 75	450	6000	3 phase
CR/840	250	±0.3	±5.0	-	-	1525x915x610	2050x1065x850	6	15 -	850	12000	3 phase
CR/1790	250	±0.3	±5.0	-	-	1220x1220x1220	1750x1420x1450	5	15 -	1810	18000	3 phase

Minimum operating temperature approximately ambient plus 200°C. Uniformity values are measured in an empty chamber, with vents closed after a stabilization period. Shelf loadings are based on evenly distributed weight

HTCR-Series, HTCR High Temperature Clean Room

All sources of particulate contamination are fully sealed, whilst the sealed stainless steel interior and gloss white epoxy finish make the ovens easily cleaned. Bespoke ovens are available with pass through construction or with flanges for through wall mounting into the clean room area.

**Features:**

- Designed for operation within Class 1000 environments (US FED STD 209E).
- 400°C, 500°C or 600°C maximum operating temperatures.
- 28 to 1000 Liter chamber volumes.
- Fully sealed low thermal mass insulation avoids shedding fibres.
- Fully enclosed brush less fan motor.
- 301 controller, with single ramp to set-point facility.
- Smooth easily cleaned gloss epoxy exterior.
- Polished stainless steel sealed interior.
- Perforated stainless steel shelves.
- Particle free silicone rubber door seal.
- Membrane control panel with clear bright LED display.
- Double skin construction for cool safe outer case temperature.
- Fully adjustable chamber ventilation.

Options:

• Over-temperature protection to DIN 12-880 class 2 (recommended to protect valuable contents & for unattended operation) • Digital process control timers & multi segment programmers available • Paperless DAQ (Data Acquisition) graphical recorders available • Top access port for independent thermocouple • Cable access port • Viewing window door • Through door illumination system • Stacking frame • Key-lock door • Door switch • Fixed or castor mounted floor stands • Through wall (flange fitted) as well as fully bespoke designs are available.

Model	Max. Temp. (°C)	Heat-up time to Max. (mins)	Temp. stability °C	Temp. uniformity 250°C (± °C)	Recovery time to Max. (mins)	Dimensions		Shelves Fitted/ accepted	Shelf loading Each/ total (kg)	Vol. (Liters)	Max. Power (W)	Power Supply
						Internal HxWxD(mm)	External HxWxD(mm)					
HTCR4/28	400	50	±0.5	±5.0	10	305x305x305	580x675x885	2/2	10 20	28	1000	230V single phase
HTCR4/95	400	90	±0.5	±5.0	10	455x455x455	1010x810x1120	3/5	15 30	95	3000	230V single phase
HTCR4/220	400	75	±0.5	±5.0	16	610x610x610	1160x1030x1280	3/5	10 50	220	6000	230V single phase
HTCR4/500	400	-	±0.5	±5.0	-	800x800x800	1305x1115x1450	3/5	-	500	7500	single phase or 3 phase
HTCR4/1000	400	-	±0.5	±5.0	-	1000x1000x1000	1310x1530x1635	3/5	-	1000	12000	3 phase
HTCR5/28	500	75	±0.5	±5.0	16	305x305x305	880x675x885	2/2	10 20	28	2000	230V single phase
HTCR5/95	500	110	±0.5	±5.0	16	455x455x455	1010x810x1120	3/5	15 30	95	3000	single phase
HTCR5/220	500	105	±0.5	±5.0	16	610x610x610	1160x1030x1280	3/5	10 50	220	4500	single phase or 3 phase
HTCR5/500	500	-	±0.5	±5.0	-	800x800x800	1305x1115x1450	3/5	10 20	500	9000	single phase or 3 phase
HTCR5/1000	500	-	±0.5	±5.0	-	1000x1000x1000	1310x1530x1635	3/5	15 30	1000	15000	3 phase
HTCR6/28	600	110	±0.5	±5.0	20	305x305x305	880x675x885	2/2	10 50	28	2000	3 phase
HTCR6/95	600	110	±0.5	±5.0	20	455x455x455	1010x810x1120	3/5	10 20	95	4500	3 phase
HTCR6/220	600	120	±0.5	±5.0	20	610x610x610	1160x1030x1280	3/5	15 30	220	6000	3 phase
HTCR6/500	600	-	±0.5	±5.0	-	800x800x800	1305x1115x1450	3/5	-	500	12000	single phase or 3 phase
HTCR6/1000	600	-	±0.5	±5.0	-	1000x1000x1000	1310x1530x1635	3/5	-	1000	15000	3 phase

Minimum operating temperature approximately ambient plus 10°C. Uniformity is measured in an empty chamber with vents closed, after a stabilization period. Shelf loadings are based on evenly distributed weight.



1407DIG

Analog Model For Accuracy and Economy

The Models 1407-2/1408-2 feature hydraulic thermostats & corrosion resistant stainless steel interior. A 13mm thick tempered glass observation window resists breakage under vacuum & permits easy viewing of the chamber interior. Glass viewing windows are "spring mounted" which allows the door to close squarely, thus ensuring a tight seal around the oven door. Furthermore, the door gasket has a beaded edge which also ensures vacuum integrity. Door gaskets are designed to be easily removable & interchangeable. The standard gasket supplied with all models is made of highly resistant SILICONE rubber. Also available as optional accessories are application specific gaskets. The BUNA-N gasket is available for solvent applications & is limited to a maximum temperature of 125°C. The Fluorosilicone gasket is available for applications involving acids & is limited to a maximum temperature of 200°C.

Digital Model for Top Performance & Accuracy

The Model 1407DIG feature PID (Proportional Integral Differential) controllers. This controller delivers precise temp. stability & repeatability. Dual digital display of setpoint & actual chamber temperature.

Specifications:

Model Analog	1407-2	1408-2
Model Digital	1407DIG	1408DIG
Chamber Capacity (Liters)	16	47
Temperature Range	Ambient 15-210°C	
Temperature Uniformity	±3°C @ 60°C, ±9°C @ 120°C, ±13°C @ 200°C	
Heat up time, Minutes	90 minutes to 150°C	
Shelves Supplied	3	2
Outside dimensions(mm)	H572xD483xW394	H642xD705xW470
Inside dimensions(mm)	H228xD304xW228	H304xD508xW304
Weight	27Kg	50Kg
Watts/Amps-230Volt	550/2.4	1200/5.2
Cycle	50/60 Hz	
Phase	Single	

1407-2/1408-2, Small Vacuum Ovens

Vacuum ovens are used for a wide variety of vacuum drying, curing and moisture content testing. Common applications include drying heat sensitive samples, moisture determination, & drying heat sensitive samples under a controlled atmosphere.

MRC vacuum ovens are specifically designed for unparalleled performance when utilized for these, and other, applications. Since there is no air in the vacuum chamber, heat is transferred from the heating elements to the interior chamber wall, then to the shelves, and finally to the samples.

MRC Vacuum ovens maximize conductive heat techniques. To minimize conductivity resistance, ALUMINIUM shelves are provided with all MRC vacuum ovens. The oven chambers are wrapped in high temperature insulation which aids overall performance and promotes energy efficiency. MRC offers both standard ANALOG vacuum ovens with mechanical thermostat & Digital PID controlled models. Both ranges include unique design features which enhance the overall performance of the ovens. These features include durable construction with corrosion resistance stainless steel chambers, true vacuum valves, cross-flow ventilation through the oven chamber, and interchangeable door gasket for application specific use. Independent, resettable circuit breakers prevent any electrical overload.



1408-2

Options:

- Temperature Programmer 4 programs of 16 segments, Model: Eurotherm 2416P4.
- RS-232/485 communication. Model: Eurotherm 3216E.
- Oil vacuum pump.
- Oil Free vacuum pump.





1425-2

1425-2/1445-2/1465-2, Small/Medium Vacuum Ovens

All our vacuum ovens are built with a stainless steel chamber for exceptional durability. Our double plenum design meets UL, CSA and EU safety requirements resulting in a cool outer surface. The doors on these units have positive latch handles with spring-loaded glass to facilitate a good vacuum seal without hinge binds that shorten the gasket life. A selection of gaskets (for specific applications) and a small bench top footprint increase the versatility of these ovens. The unique cross-flow ventilation forces inert gas to fill the entire chamber. To achieve required vacuum levels, users can choose from a 3/8 inch orifice or a KF25 fitting to withstand heavy use & minimize draw-down time. Maximum permitted end vacuum is 10 μ. Leak rate is 10 μ per hour.

Features:

- Fully Programmable Watlow Temperature Control
- Capable of 40 Step Ramp and Soak Profiles or 4 Files With 10 Steps Per File
- Digital Vacuum Gauge
- RS485 Communication.

Applications:

- Moisture Determination
- Out Gassing Solids
- Aging Tests
- Plating
- Chemical Resistance Studies
- Drying of Paper
- Rubber and Textiles
- Desiccating
- Dry Sterilization
- Out Gassing Liquids
- Vacuum Storage
- Electronic Process Control.



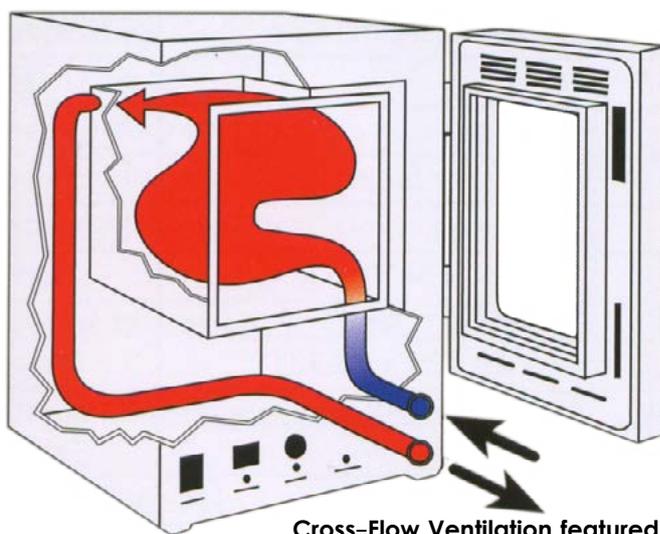
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1445-2/1465-2



1425-2



Cross-Flow Ventilation featured in all Vacuum Ovens

Precise Temperature Control:

- Heat-up Time 90 minutes to 150°C
- Temperature Adjustable by 0.1°C
- Temperature Uniformity ±6% of Set Point
- Temperature Range Ambient +10°C to 220°C.

Specifications:

Model	1425-2	1445-2	1465-2
Capacity (Liters)	16	47	127
Chamber dimensions (mm)	W228xD304xH228	W304xD508xH304	W457xD609xH457
Outside dimensions (mm)	W445xD578xH597	W520xD750xH667	W673xD876xH819
Temp. Range / Uniformity	10°C above ambient to 220°C / ±6% of set point		
Electrical Specifications	Volts: 120V Hertz: 50/60 Hz Watts: 850W Amps: 7.0A	Volts: 120V Hertz: 50/60 Hz Watts: 1100W Amps: 9.0A	Volts: 120V Hertz: 50/60 Hz Watts: 1500W Amps: 12.5A
Temperature Control	0.1°C		
Heat-up (min)	90 minutes at 150°C		
Shelves	3 Supplied		



1495D, Large Vacuum Oven

Unique Design. The 1495D Model is a general purpose vacuum oven specially designed for professional and industrial use. The combination of the oven and a ruggedly constructed mobile stand creates an ideal vacuum application station.

The stand is designed for mounting a vacuum pump at the base. All vacuum plumbing and KF25 connections are provided (vacuum pump not included).

Precision Controllers. The Wattox 981 temp. controller, programmable and microprocessor-based, offers multiple ramp and soak capabilities, including storing and running up to 24 temperature profiles. The controls are easily adjustable and the control panel is user friendly. A digital vacuum gauge shows chamber vacuum level in measurements of Torr and m/Torr. The display range is 760 Torr down to 0 mil Torr. A secondary independent high limit controller provides over temperature safety protection.

Rugged Construction. High grade stainless steel construction is used for the exterior and chamber interior. Vacuum valves incorporate 3/8" brass orifices to withstand heavy use.



Introduced Gas Saturates Chamber Uniformly.

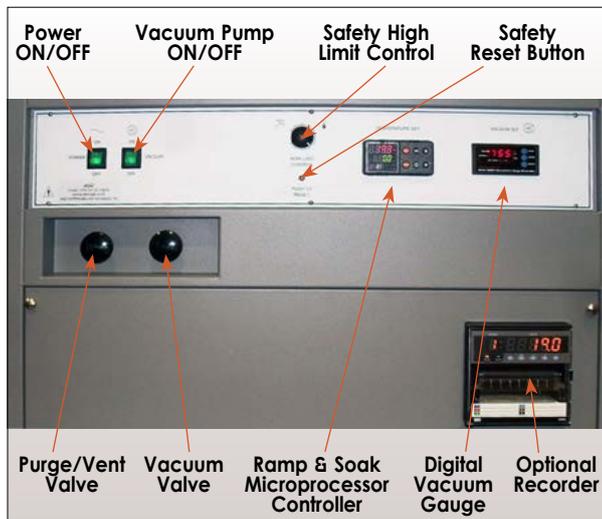
Our unique cross-flow ventilation design forces nitrogen or other inert gases to fill the entire chamber. Gas is forced across the greatest distance of the chamber, purging the chamber as it passes over the samples. Corrosion-resistant stainless steel tubing is used for the gas purge piping system. Use this feature to reduce effects of oxidation.

The oven chamber is wrapped in high temperature insulation which aids overall performance and promotes energy efficiency. Powder coat construction, true vacuum valves and cross-flow ventilation through the oven chamber enhance total performance. The vacuum oven is secured to a ruggedly constructed mobile stand to create a vacuum pump at the base. Although the oven is not supplied with a vacuum pump, all vacuum plumbing and KF25 connections are provided.

Features/Benefits:

- Large capacity is efficient and accommodating
- Ramp and Soak Controller
- Stainless Steel Interior
- KF40 Fitting Included
- All stainless steel construction
- Programmable Controller
- Digital Vacuum Gauge for accuracy
- Cross-flow ventilation allows for a dry oxygen free environment.
- System ready to receive vacuum pump.

Panel:



Applications:

- Vacuum drying & curing
- Moisture determination
- Out-gassing solids & liquids
- Aging tests
- Electronic process control
- Vacuum embedding
- Vacuum storage
- Plating

Model	1495D
System Type	Vacuum Oven Station
Controls/Display	Digital mProc.
Chamber Capacity (Liters)	264
Temperature range	Amb. +5°C to 220°C
Temp. uniformity	±7.0°C at 150°C
Heat up (min)	90 minutes at 150°C
High Limit Control	Yes-Independent
Outside DIM. (mm)	W915xD1182xH1575
Inside DIM. (mm)	W711xD609xH609
Vacuum Gauge	Digital-m/Torr Scale
Standard Gasket Material	Viton
Shelves Supplied	3 Aluminium
Maximum Shelves	7 Shelves
Shipping Weight in kilograms	445kg
Element Wattage	3500
Electrical Requirements: Max. Amp draw at 220Vac Power Frequency/Phase	16 50-60 Hz/ Single Phase

* - 2 Denotes 220V



VHT 75/550

VHT 75/550, Electrode Oven

Shaft furnace (loading from the top) is designed for welding electrodes heating and drying up to 550 °C.

- Maintains up to 40 kg of 45 cm electrodes
- 15 containers are inside for electrodes storage
- Temperature range + 50–+550 °C, temperature adjustable
- Micro processor temperature controller
- Door opening to the top
- Chamber is made from stainless steel
- Exterior is treated and painted with a powder paint RAL 7035, abrasion and corrosion resistant finish
- Durable Steel construction means long product life
- Natural air convection
- Thermal insulating wool makes oven energy efficient and keeps electrodes hot and moisture-free.



Baskets Inside

Model	Capacity	T °C	Chamber dimensions (mm)	Overall dimensions (mm)	Power	Voltage	Weight
	l	Max	WxDxH	WxDxH	kW	V	kg
VHT 75/550	75	550	340x390x550	870x660x850	6.00	230	100



VHT 3/320

VHT 3/320, Electrode Oven

The dry storage container is for dry /dry storage / transportation of welding electrodes.

- Maintains up to 10 kg of 45 cm electrodes
- 2 containers for electrodes storage are inside
- Temperature range + 60–+320 °C, temperature adjustable
- Exterior is treated and painted with a powder paint RAL 7035, abrasion and corrosion resistant finish
- Durable Steel construction means long product life.
- Oven is comfortable for transport to the job
- fitted wheels and handle help to transport electric oven and place it to the right place in the work area
- Thermal insulating wool makes oven energy efficient and keeps electrodes hot and moisture-free.

Model	Capacity	T °C	Chamber dimensions (mm)	Overall dimensions (mm)	Power	Voltage	Weight
	l	Max	WxDxH	WxDxH	kW	V	kg
VHT 3/320	3	320	100x500x125	230x770x435	1.00	230	14



VHT 4.9/100

VHT 4.9/100, Electrode Oven

Portable electrode oven is designed for dry storage and transportation of welding electrodes.

- Maintains up to 5 kg electrodes of 40 cm
- Temperature range + 60 - +140 °C, temperature non-adjustable
- Durable, stainless steel construction means long product life
- Oven design protects electrodes during transfer from the holding oven to the job
- Light weight oven makes for easy transport to the job
- Square shape gives greater stability vertically or horizontally while working
- Thermal insulating wool makes oven energy efficient and keeps electrodes hot and moisture-fr.

Model	Capacity	T °C	Chamber dimensions (mm)	Overall dimensions (mm)	Power	Voltage	Weight
	l	Max	WxDxH	WxDxH	kW	V	kg
VHT 4.9/100	4.9	140	110x90x440	150x180x510	0.18	230	6