



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.



DNO-300

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					



PN30

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 and 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



PN30

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.