

# PEAK Natural Convection General Purpose Laboratory Ovens

## Standard features

- ✓ Economical natural convection models.
- ✓ 300°C maximum operating temperature.
- ✓ 27 to 215 litres 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.

## Options

*specify these at time of order*

- ✦ Over-temperature protection to DIN 12-880 class 2 (recommended to protect valuable contents & for unattended operation).
- ✦ Hydraulic over-temperature thermostat.
- ✦ Carbolite 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.



PN/200

Economical high specification ovens that are suitable for general laboratory heating and drying applications yet with the versatility and optional accessories for more complex and demanding applications. Natural gravity convection offers greater economy and more gentle airflow within the chamber.

Model	Max temp (°C)	Temp stability °C PID	Temp uniformity @ 300°C (±°C)	Heat-up time to max (mins)	Recovery time to max (mins)	Dimensions		Shelves fitted/ accepted	Shelf loading Each/ total (kg)	Volume (litres)	Max power (W) Holding power @max W	Weight (kg)	Power supply
						Internal H x W x D (mm)	External H x W x D (mm)						
PN30	300	±0.5	7.0	52	8.5	255 x 330 x 320	470 x 665 x 470	2 / 3	10 20	27	750 300	30	230V single phase
PN60	300	±0.5	7.0	52	8.5	350 x 392 x 420	570 x 765 x 570	2 / 5	10 30	57	1000 480	45	230V single phase
PN120	300	±0.5	7.0	52	8.5	450 x 492 x 520	670 x 865 x 670	2 / 9	10 40	115	1500 720	60	230V single phase
PN200	300	±0.5	7.0	58	10	700 x 592 x 520	920 x 965 x 670	2 / 15	10 50	215	2250 1160	75	230V single phase



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

# PEAK Fan Convection General Purpose Laboratory Ovens

## Standard features

- ✓ 300°C (PF30 to PF200) or 250°C (PF400 & PF800) maximum operating temperatures.
- ✓ 28, to 910 litres chamber volumes.
- ✓ Precision PID control & display using the TLK controller (or 301 controller for PF400 & PF800).
- ✓ Fan convection for rapid heating & recovery & excellent uniformity.
- ✓ 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.

## Options

*specify these at time of order*

- ✦ Over-temperature protection to DIN 12-880 class 2 (recommended to protect valuable contents & for unattended operation).
- ✦ Carbolite 301, digital ramp to set point PID controller.
- ✦ Digital countdown timer to switch oven off.
- ✦ Multiple segment programmable temperature control.
- ✦ Top access port for independent thermocouple.
- ✦ Accessory shelves & runners.
- ✦ Cable access port.
- ✦ Variable speed fan control.
- ✦ Viewing window door.\*
- ✦ Through door illumination system.\*
- ✦ Air exhaust fan.
- ✦ Moisture extraction option (comprising sealed seams and air exhaust fan).
- ✦ Stoving & curing options for extraction of small volumes of volatile solvents (see 'accessories and options' for details).\*
- ✦ Stacking frame enabling ovens to be securely stacked one on another.
- ✦ Key-lock door.
- ✦ Door switch.
- ✦ Fixed or castor mounted floor stands.
- ✦ Low voltage options for use below 220V
- ✦ Routine spares kit.

Note \* The stoving & curing option is not compatible with the viewing door, or through door illumination options.



PF30

High specification laboratory ovens that are suitable for general heating and drying applications yet with the versatility and optional accessories for more complex and demanding applications. Fan convection provides very rapid heating and recovery as well as excellent uniformity.



PF400

# PEAK Fan Convection General Purpose Laboratory Ovens



PF800 PLUS 2 ADDITIONAL SHELVES

Model	Max temp (°C)	Temp stability °C PID	Temp uniformity @ 300°C (°C)	Heat-up time to max (mins)	Recovery time to max (mins)	Dimensions		Shelves fitted/ accepted	Shelf loading Each/ total (kg)	Volume (litres)	Air changes /hr	Max power (W)	W't (kg)	Power supply
						Internal H x W x D (mm)	External H x W x D (mm)					Holding power @ max W		
PF30	300	±0.2	±5.0	25	4	300 x 290 x 320	470 x 665 x 470	2 / 3	10 20	28	50 360*	750 300	30	230V single phase
PF60	300	±0.2	±5.0	25	4	400 x 390 x 420	570 x 765 x 570	2 / 5	10 30	66	21 153*	1000 480	45	230V single phase
PF120	300	±0.2	±5.0	25	4	500 x 490 x 520	670 x 865 x 670	2 / 9	10 40	127	11 79*	1500 720	60	230V single phase
PF200	300	±0.2	±5.0	30	5	750 x 590 x 520	920 x 965 x 670	2 / 15	10 50	230	6 44*	2250 1160	75	230V single phase
PF400	250	±0.2	±5.0	85	25	1500 x 605 x 510	1970 x 980 x 720 (floor standing)	3† / 14	10 75	460	30	6000 2200	200	230V single phase
PF800	250	±0.2	±5.0	100	30	1500 x 1200 x 510	1831 x 1460 x 1027 (floor standing)	3 / 7	10 100	910	15	9000 3500	280	230V single phase 2-phase or 3 phase



Minimum operating temperature approximately ambient plus 10°C

Uniformity values are measured with vents closed using an empty chamber after a stabilisation period

Shelf loadings are based on evenly distributed weight

\* When equipped with optional exhaust fan

† The PF400 is supplied with 3 wire shelves, the PF800 with 3 perforated stainless steel shelves



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.