



FAN CONVECTION LABORATORY OVEN - PF

The PF oven range comprise four sizes of bench mounted units with maximum operating temperatures of 300°C. Fan convection provides greater temperature uniformity and faster recovery rates than natural convection.

STANDARD FEATURES

- | 300°C maximum operating temperatures
- | 28 to 230 litre chamber volumes
- | Equipped with the R38 digital PID temperature controller
- | 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 standard BS EN 61010-2-010:2003

OPTIONS (*SPECIFY THESE AT TIME OF ORDER*)

- | A range of sophisticated digital controllers, multisegment programmers and data loggers with digital communication options is available - more information about controllers
- | Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- | Access port for independent thermocouple
- | Accessory shelves & runners
- | Heavy duty reinforced base and shelves
- | Cable entry ports
- | Variable speed fan control
- | Stoving & curing options for extraction of small volumes of volatile solvents (not compatible with viewing window option)
- | Viewing window (not compatible with stoving & curing option)
- | Interior light (not compatible with stoving & curing option)
- | Air exhaust fan
- | Moisture extraction option (comprising sealed seams and air exhaust fan)
- | Stacking frame to enable units to be stacked one upon another
- | Lockable door
- | Door switch to isolate elements and fan
- | Fixed or castor mounted floor stands
- | Low voltage options for use below 220 V
- | Routine spares kit

FAN CONVECTION LABORATORY OVEN - PF

EXAMPLES



PF 60 with 301 controller and optional exhaust fan
and over-temperature control



PF 200

TECHNICAL DETAILS (MODELS)

	PF30	PF60
Max temp (°C)	300	300
Min temp (°C)	Ambient +30	Ambient +30
Temp stability (°C)	±0.2	±0.2
Temp uniformity (°C)	±5.0 @ 300°C	±5.0 @ 300°C
Heat-up time (mins)	40	36
Recovery time (mins)	4	4
Dimensions: Internal H x W x D (mm)	300 x 290 x 320	400 x 390 x 420
Dimensions: External H x W x D (mm)	470 x 665 x 470	570 x 765 x 570
Shelves fitted / accepted	2 / 4	2 / 6
Shelf loading each / total (kg)	10 / 20	10 / 30
Optional heavy duty reinforced base max. weight (kg)	40	60
Optional heavy duty shelves max. quantity	2	3
Optional heavy duty shelves max. weight / shelf (kg)	20	20
Configuration	Bench-top	Bench-top
Volume (litres)	28	66
Air changes / hr	50 / 360*	21 / 153*
Max power (W)	1000	1500
Holding power (W)	560	775
Weight (kg)	37	55

	PF120	PF200
Max temp (°C)	300	300
Min temp (°C)	Ambient +30	Ambient +30
Temp stability (°C)	±0.2	±0.2
Temp uniformity (°C)	±5.0 @ 300°C	±5.0 @ 300°C
Heat-up time (mins)	35	42
Recovery time (mins)	4	5
Dimensions: Internal H x W x D (mm)	500 x 490 x 520	750 x 590 x 520
Dimensions: External H x W x D (mm)	670 x 865 x 670	920 x 965 x 670
Shelves fitted / accepted	2 / 10	2 / 16
Shelf loading each / total (kg)	10 / 40	10 / 50
Optional heavy duty reinforced base max. weight (kg)	80	100
Optional heavy duty shelves max. quantity	3	4
Optional heavy duty shelves max. weight / shelf (kg)	25	25
Configuration	Bench-top	Bench-top
Volume (litres)	127	230
Air changes / hr	11 / 79*	6 / 44*
Max power (W)	2000	2700
Holding power (W)	900	1180
Weight (kg)	74	96

Please note

- Uniformity is measured in an empty chamber with vents closed, after a stabilisation period
- Shelf loadings are based on evenly distributed weight
- The uniform volume is smaller than the total chamber volume
- Maximum power and heat up times based on a 240V supply
- Stoving and curing option may require increased maximum power
- * When equipped with optional exhaust fan

www.carbolite.com/pf