

# XPP up to 450/650/850°C



XPP High-temperature ovens are used for steel tempering and other heat treatment of materials up to a maximum temperature of 450°C, 650°C (option) ou 850°C (option).

### Robust construction.

Exterior in steel sheet coated with red and black paints. Stainless steel or refractory sheet metal inside (option 850°C). Long life.  
Control panel located on the left side. Electric box on the backside of the oven.  
Perfect insulation from compressed mineral fibers: reduced energy consumption, low surface temperatures.

### Safe use.

Ventilation and heating stop at door opening. The electronic safety thermostat allows the heating to be switched off in the event of overheating. The fan is protected by a circuit breaker. Any overcurrent, overheating or bad connection of the oven are indicated by the lighting of LEDs.

### Reliable temperature control.

Electronic PID controller, easy to use. Functions: display of setpoint and measured temperature, delayed start, 1 program with 2 ramps and timers. With 650°C or 850°C option : controller 30 programs with 15 steps each.  
Measurement of temperature by a thermocouple probe type K.

### High performance ventilation.

Excellent homogeneity of temperature. The fan is located on the backside of the oven.  
Horizontal ventilation : air is blown from the lateral sides. The air outlet is located on the top of the oven. Manually adjustable flap.

### A rapid rise in temperature.

The heating elements are protected and placed on the lateral sides.



### Fixed feet.

130 mm high.

### Easy opening on the left side.

Models up to 140L: door equipped with an easy-to-open handle.  
Upper models : two adjustable clamps.

### Loading trays.

2 trays provided (except XPP020). Made of stainless steel or refractory steel (option 850°C). Loading on the floor. Up to the XPP140, trays are fixed on the lateral sides. For bigger models, trays lay on a mobile inner frame.

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# XPP RANGE

## HIGH-TEMPERATURE OVENS

## TECHNICAL DATA

	XPP020	XPP040	XPP070	XPP140	XPP270	XPP540
Working volume (L)	20	35	70	135	270	540
<b>SIZES</b>						
Internal width (mm)	300	300	350	450	600	750
Internal depth (mm)	350	400	500	600	750	900
Internal height (mm)	200	300	400	500	600	800
External width* (mm)	700	800	850	950	1150	1300
External depth* (mm)	1050	1050	1150	1250	1650	1800
External height (with subframe except XPP020)* (mm)	650	1450	1550	1650	1750	1950
Weight, empty (kg)	115	160	190	300	580	750
Number of door(s)	1	1	1	1	1	1
<b>PERFORMANCES</b>						
Temperature range (°C)	Ambient temperature + 20°C up to 450°C (650°C and 850°C as option)					
Controller temperature fluctuation (+/- °C)	0.5					
Homogeneity at 450°C** (+/- °C)	5					
<b>ELECTRICAL DATA</b>						
Heating power (kW)	3	6	8	12	20	24
Power	230V ~1P 50Hz			400V ~3P + N, 50Hz		
Amperage connection (A)	16	16	20	20	40	50
<b>LOADING TRAYS</b>						
Number of provided trays / Max. load (kg)	-	2 / 15	2 / 20	2 / 30	2 / 35	2 / 40
Max. load on the floor of the oven (kg)	30	50	80	150	200	250

\* Some options may change the sizes of the oven

\*\* According to FD X 15-140

## OPTIONS / ACCESSORIES



3 Inert gas entry



1 Tray



2 Subframe with feet



3 Data logger with 2 channels



4 Portable paperless graphic recorder  
4 or 6 channels



5 Thermocouple K probe

**1** Max. temperature extension up to 650°C

**2** Max. temperature extension up to 850°C

**3** Inert gas entry

**1** Tray

Stainless steel or refractory steel (option 850°C).

**2** Subframe with feet

Elevates the oven for easier loading of your products. Height of the floor : 900 mm.

**3** Data logger with 2 channels

Saves the temperatures measured by 2 mobile sensors.

**Software for data logger with 2 channels**

Can set data logger and retrieve stored data.

**4** Portable paperless graphic recorder

Full color screen display. Real monitoring of temperature changes. With USB and RJ45 plugs, and 4 or 6 connectors for mobile sensors

**5** Thermocouple K probe. With plug.

B & K s.r.o.

Palisády 20, 811 06 Bratislava

Slovak Republic

02/ 544 307 01

bk@bruel.sk, www.brueel.sk

 **FRANCE  
ETUVES**  
Ovens Designer & Manufacturer

65/67 rue Auguste Meunier 77500 Chelles, FRANCE

T : +33 1 64 21 30 60 / F : +33 1 64 21 30 86