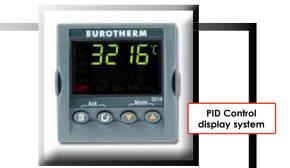# Flame Proof Oven
(Ambient +5°C to 200°C)

LABEC **Flame Proof Ovens** are manufactured in Australia with high quality stainless steel for easy maintenance and excellent durability. A purpose built oven, it conforms to Australian Standard AS1681-2002, suitable for applications where volatile matters such as bitumen, paint or varnishes are present.

The oven features a horizontal air flow system where the air passes only once through the chamber and out the top vent which provides continuous positive ventilation. A door activated timer purges the elements to remove volatile vapors and is fitted with an explosion/blowout port ratio 1:4.5 of chamber volume. The door seals on a silicon gasket to ensure no leaks and thus uniform temperatures throughout and features a safety microswitch which cuts power to the heaters when opened.

PID Control display system

Controller – A digital microprocessor based PID temperature controller controls the temperature within the range ambient +5°C to 200°C, temperature fluctuation at 105°C is ±1°C.

Data logging

When optioned the controller can be connected via RS232/RS485 communication ports which can be connected directly to a data logger or computer to collect this information. Software is available for programming and monitoring.

Additional options

To suit your requirements the addition of options such as a safety toughened glass viewing window, programmable controllers, timers and cable access ports are also available.

Standard features include:
- RCD/ELB (earth leakage breaker).
- Over Temperature Thermostat.
- Type K Thermocouple.
- Stainless Steel exterior.

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Serving the Scientific, Medical and Research industries since 1945

Model	FP18	FP24	FP36	FP50
Capacity (Litres)	66	160	300	507
Int. Dim. (cm) H x W x D	46 x 38 x 38	60 x 50 x 50	90 x 60 x 50	120 x 65 x 65
Ext. Dim. (cm) H x W x D	135 x 60 x 48	150 x 72 x 60	180 x 82 x 60	210 x 87 x 75
Temp. Controller	Digital PID Controller			
Temp. Min	Ambient +5°C			
Temp. Max	200°C			
Temp Setting Accuracy	+/-0.1°C			
Temp. Fluctuation	+/-1°C			
Temp. Sensor	Type K			
Heating System	Electric Element			
Interior Material	Stainless Steel			
Exterior Material	Stainless Steel			
Shelves	2			3
Options	Glass or acylic viewing window, castors, cable entry port, additional shelves, timer, programmable temperature profiler			
Power Supply	Three Phase Power Required			
Power (W)	3000	5400	5400	6000
Weight (kg)	84	92	95	99

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