

Riley 300°C Superior Laboratory Oven Range



Stock No	NEW060
Manufacturer	Riley
Model	GPS-OV Full Range
Internal Size (WxDxH mm)	From 50-240 litres
Max Temp	300°C
Other Info	British Made

Description

These Riley ovens are a general purpose oven capable of a wide range of industrial and laboratory applications. CE Marked the ovens are built to a high standard with stainless steel interiors capable of temperatures up to 300°C.

Flexible and accurate digital controls and low temperature fluctuation make these ovens suitable for drying, heating and general processing. The ovens feature fan-assisted air circulation.

The exterior powder coat paint finish is durable and easy to clean and is manufactured from sheet steel.

The interior stainless steel chamber is suitable for most processes, especially where moisture is involved. A top vent is fitted to allow for ventilation or to act as an access port for thermometers and monitoring probes. Chrome plated steel wire shelves are supported on legs and can be adjusted to several positions.

A clean interior finish is completed with sheathed heating elements and fan fitted in the base of the chamber.

To door and chamber are fitted with silicone seals for excellent insulation from heat and are easy to clean.

Control is via an PID digital controller, calibrated thermostats and overheat safety protection.

Superior Oven vs Standard Oven

The superior oven models have the following upgrades over the [standard oven range](#)

- Temperatures up to 300°C (vs up to 250°C)
- Stainless Steel Chamber (vs Aluminium clad steel chamber)
- Shelf support ladders at 50mm centers (vs fixed shelf supports) for more flexibility

Benefits

- Wide temperature and application range
- Fast even tempering with good control
- Easy to clean, high quality construction for laboratory or factory use
- Part exchange against used surface machinery you no longer need
- Guaranteed buy back

Accurate and Flexible Control

Riley ovens are fitted with a PID digital controller from Eurotherm (model P116). This easy to use HMI based controller inc

- High visibility three colour LED display
- Ramp-soak timer and soft start
- Overshoot elimination
- Energy usage estimation
- Heater failure detection
- Digital setpoint retransmission
- Analogue retransmission
- Recovery point "undo" function
- Configuration adaptor

Machine Datasheet



Warranty

These ovens come with a 1 year parts and labour warranty and a 3 year parts warranty

Demonstration Area & Showroom

Riley Surface World's showroom and demonstration area has a full range Ovens on display for you to see and explore. Ba warehouse has 500+ surface finishing machines. We welcome visitors, please contact us to [book an appointment](#).

Models



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Model	Size	Internal Dimensions (WXDXH)	Shelves	Power (watts)
GPS-50-F-300-DIG-SS	50 litres	490 x 315 x 333	2	1000
GPS-75-F-300-DIG-SS	75 litres	490 x 460 x 333	2	1250
GPS-100-F-300-DIG-SS	100 litres	490 x 460 x 445	3	1250
GPS-120-F-300-DIG-SS	120 litres	490 x 552 x 445	3	1500
GPS-150-F-300-DIG-SS	150 litres	490 x 552 x 555	3	1500
GPS-180-F-300-DIG-SS	180 litres	490 x 552 x 667	4	1750
GPS-210-F-300-DIG-SS	210 litres	490 x 642 x 667	4	2000
GPS-240-F-300-DIG-SS	240 litres	490 x 552 x 888	4	2250

If you need a larger physical size oven try our [300°C Heavy Duty Oven Range](#).

Optional extras include:

- Inner glass door
- Programmable controllers
- Analogue controllers
- Additional shelves
- Casters
- Trolley with casters

Applications

These ovens are suitable for a wide range of laboratory and industrial applications

- General engineering & thermal processing
- Research
- Electronics / Semiconductor
- Plastics / composites
- Human / veterinary medicines

Technical Features

- High quality, CE marked, electric laboratory ovens
- Temperatures range from 50°C to 300°C
- 50 litre to 240 litre models
- Fan-assisted air circulation
- 316 grade stainless steel chamber

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Machine Datasheet



- PID Digital dual display controller
- Independent overheat safety thermostat
- Powder coated sheet steel exterior
- Top vent/access port
- 2-4 chrome plated steel wire shelves
- Shelf support ladders at 50mm centers
- Silicone door and chamber seals
- CE marked
- Full 12 months parts & labour warranty

Part Exchange Available

All our new, and second hand, stock can be exchanged against any surface treatment machines you have unused in our v [discuss your part exchange](#) requirements.

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.



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