

Riley Surface World
NEW PRODUCTS

OVENS &
FURNACES

Forced Ventilation

Industrial and Laboratory Ovens



Available exclusively in the UK from:



www.rileysurfaceworld.co.uk



Forced Ventilation Industrial and Laboratory Ovens

Riley Surface World offers a complete range of forced ventilation ovens suitable for all thermostatic applications where a specific temperature is required. Designed for many uses within the surface finishing industries, they also have laboratory and general industrial applications.

Capacities are from 40 to 700 litres, with internal chamber dimensions from 344 x 310 x 431 mm high up to 700 x 600 x 1510 high. Temperature ranges are from +50 to +250°C, with a high level of accuracy in both operation and display readings.

All ovens have epoxy coated steel outer bodies and stainless steel inner chambers with rounded corners. They also have double insulated doors with silicon seals to prevent heat loss.

There is a digitally controlled PID thermostat to ensure temperature stability and a visual alarm security thermostat and lockout with manual reset button.

The oven interiors have adjustable height shelves and a ventilation duct to atmosphere with manual flow controls. The heating elements are isolated from the internal chamber to guarantee uniform heating.

Optional extras include: additional shelves, 24 hour process timers, 4 step programmers, support stands, castors, data loggers and RS 485 interfaces. Models are available from stock or by special order and are offered with a full 12 months warranty and technical support.

- Steel outer body in coated in epoxy anti-acid paint.
- Stainless steel AISI 304 inner with rounded corners.
- Double insulation door with silicone seal to prevent heat loss.
- Thermal insulation with mineral fibre.
- Digital display P.I.D. Thermostat to ensure good stability.
- Visual alarm security thermostat with manual resetting.
- Steel shelves adjustable in height.
- Separate control panel.
- Ventilation opening with manual flow control.
- Heating elements in ante-chamber to guarantee uniform heating.
- Illuminated two phase main switch.
- Power supply 230V-50Hz (upon request 400V).
- 2 class, DIN 12880.

Drawer Oven

The drawer oven is a useful addition to the Riley forced ventilation ovens range.

It includes all of the same features as the standard ovens, but instead of the standard door it has a drawer with aluminium frame.

The drawer has a silicon rubber seal gasket, a rear rabbet to prevent heat loss during opening and a magnetic closing system to ensure continuous use without wearing out the mechanism. The oven is suitable for industrial and laboratory testing applications.

- Temperature control through 3 term digital heat control to ensure high stability.
- Temperature range from +5 °C above ambient to +250 °C.
- Precision display $\pm 1^{\circ}\text{C}$
- Visual alarm security thermostat and manual resetting.
- Two-pole switch with LED indicator.
- Steel exterior with corrosion-resistant epoxy varnish treatment.
- Heat insulation with natural mineral fibres.
- AISI 304 stainless steel inner chamber.



- Pre-chamber heating elements for uniform heating.
- Uniform airflow through grid-duct system.
- Drawer dimensions 155x705 mm.
- Inner drawer panel dimensions 600x500 mm.
- Drawer panel thickness 37 mm.
- Power supply 230v - 50Hz.
- Capacity 3200w.
- Weight 120Kg.
- Built according to CEI (66-5).
- Class DIN 12880.

Vacuum Oven

The vacuum oven provides a further option in our small ovens range.

It includes many of the same features as the standard forced ventilation ovens, but with the addition of vacuum power from 0 to -1 bar and a transparent viewing door for easy inspection of the items being treated.

- Steel outer body in coated in epoxy anti-acid paint.
- Stainless steel AISI 304 inner with rounded corners.
- Crystal door for easy inspection.
- Thermal insulation with mineral fibre.
- Digital display PID Thermostat to ensure good stability.
- Temperature range from +5°C above room temperature to +250°C.
- Accuracy to $\pm 3^{\circ}\text{C}$ to 105°C. Display precision $\pm 0,1^{\circ}\text{C}$.
- New heating system designed to ensure greater uniformity of temperature.
- Visual alarm security thermostat with manual resetting.
- Steel shelves adjustable in height.



- Separate control panel.
- Dimensions working 356 x 365 x 390 mm.
- External dimensions 510 x 480 x 645 mm.
- Electronic valves for loading and unloading vacuum.
- Vacuum from 0 to -1 bar.
- Illuminated two phase main switch.
- Rubber feet.
- Power supply 230V-50Hz.
- Built according to CEI(66-5).
- 2 class, DIN 12880.
- Weight 45 Kg.

TECHNICAL SPECIFICATIONS & PRICES

MODEL	M40 VF	M60 VF	M80 VF	M120 VF	M250 VF	M400 VF	M700 VF	M250 CA Drawer oven	M40 VT Vacuum oven
Internal Dimensions									
Volume (nominal) ltr	40	60	80	120	250	400	700	210	50
Width mm	344	403	455	490	592	700	700	705	356
Depth mm	310	370	370	475	520	600	600	600	365
Height mm	431	458	472	570	800	1010	1510	500	390
External Dimensions									
Width mm	680	740	790	830	950	900	900	1130	510
Depth mm	495	550	550	655	710	810	810	790	480
Height mm	573	600	680	720	1020	1475	1975	665	645
Shelves included	1	2	2	2	2	2	3	0	3
Power W	700	1200	1200	1600	2500	3200	6000	3200	700
Power supply V	230	230	230	230	230	230	415	230	230
Weight kg	37	42	50	60	120	160	240	120	45
PRICE £ exc. VAT	1660	1770	1830	2265	2915	3535	4995	4499	5400

Prices valid from 1/10/2011



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