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## SNOL 300°C 420 Litre Laboratory Oven



**Stock Code:** OA2216

**Manufacturer:** SNOL

**Model:** 420/300

**Year of Manufacture:** 2021

**Serial:** 391

**New or Used:** New

**Internal Size (WxDxH mm):** 990x 470 x 865

**Max Temp:** 300°C

**Weight:** 178

**External Dimensions (WxDxH):** 1250 x 950 x 1230

SNOL 300°C 420 Litre Laboratory Oven

These electric laboratory ovens are designed for treatments such as drying, heating, thermal testing, aging and similar purposes.

The forced air convection used by these ovens allows a homogenous temperature distribution during all process, which ensures optimal results as well as good technical parameters ensure high-quality results.

Air circulation is critical for efficient and uniform heating and horizontal air flow is achieved via variable (0-100%) fans which maximise temperature uniformity.

The oven can be used in scientific laboratories, educational institutions, medicine and industry.



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Features include 300°C maximum operating temperature 420 litre chamber volume High degree of accuracy Low electric power usage for increased energy efficiency Short heating up / cooling down period Forced horizontal air circulation Stainless Steel internal chamber Outside casing – mild steel with a powder painted exterior Control panel is placed in the underpart of the oven Adjustable chamber ventilation to exhaust smoke or other fumes (on rear) 3 stainless steel shelves High quality rock wool insulation Hermetic door seal Over temperature protection Microprocessor – temperature controller Solid State Relay (SSR) heating power control for close control of the heating profile Air fan speed controller Buzzer 1 year warranty Accurate Control

The control and safety mechanisms for the 300°C Laboratory Oven Range are sophisticated but easy to use.

The Omron E5CC Temperature Controller allows a temperature point to be set and ramp up speed (e.g. 1°C/minute) providing simple and effective control for the majority of applications.

This controller includes an auto tuning feature, an advanced feature demonstrating the quality and reliability of this control solution.

Auto tuning allows for closer control of oven temperatures based on the work it is undertaking improving accuracy and uniformity.

The Eurotherm 3216 is used as a dedicated over temperature controller. Picked as the most user friendly solution with a clear screen this provides a safety backstop for the oven.

As an optional extra the Omron E5CC Temperature Controller can be upgraded to a EC55-T Programmable Temperature Controller. This allows for programs to be pre-assigned for different processes.

### Available Options

Some of these options can be added to ovens we have in stock. Others may require a special order, please contact us to discuss.

Digital timer (to allow a delayed oven start) Additional shelves Reinforced shelves Stainless Steel Exterior EC55-T Programmable Temperature Controller; upgrade the controller to a programable controller PC connection to SNOL Software Gas injection system Argon or Nitrogen (flowmeter, reducer and connections) + Semi-airtight chamber Window in the door for viewing your process (for instance 258x200mm window for the 420 litre oven) Size Model Temp °C Size Internal mm w x d x h SNOL 420/300 LSN 11300420 litres 990 x 470 x 860 Technical specifications Temperature range: 50 - 300°C Construction Material: 316 Stainless Steel Power: e.g. 420 litre model 6.2kW Voltage: e.g. 420 litre model 415V SNOL - a leading thermal engineering manufacturer

SNOL is one of the leading oven and furnace manufacturers in the world. The company is based in Lithuania with subsidiaries in Germany, Russia, Belarus and Ukraine. Founded in 1960 SNOL and is part of the Baltic State's largest metal processing group, employing over 700 people. 90% of production is exported from Lithuania into 40 countries in Europe and worldwide.

Riley Surface World and SNOL is a unique partnership. It combines Europe's finest industrial and laboratory oven manufacturer with a UK company renowned for its high levels of industry knowledge, service and technical support.

SNOL laboratory ovens are available from stock or by special order, depending on requirements for temperature, size and metal treatment process.

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View SNOL 300°C 420 Litre Laboratory Oven on our web site at  
<https://www.rileysurfaceworld.co.uk/machines/30555.htm>

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