

SNOL 650°C High Temperature Oven with Powered Door



Stock No

Manufacturer

Internal Size (WxDxH mm)

Max Temp

[NEW072](#)

[SNOL](#)

600 x 750 x 900

650°C

Description

SNOL 650°C High Temperature Oven with Powered Door

These industrial batch ovens are ideal for tempering, glass annealing, drying, preheating, and stress relieving.

Designed to operate up to 650°C these ovens have excellent performance and reliability. Well insulated and with good airflow these ovens offer temperature stability and uniformity suitable for a wide range of manufacturing processes.

Control of temperature is achieved via an Omron programmable controller coupled with a Solid State Relay and Eurotherm Over Temperature protection.

This model includes a pneumatically powered uprising door with speed and soft stop control valve, to tailor the door speed to suit the process.

SNOL - a leading thermal engineering manufacturer



SNOL is one of the *leading industrial oven manufacturers* in the world. The company is based in Lithuania with subsidiaries in Germany 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 industrial ovens are *available from stock* or by special order, depending on requirements for temperature, size and metal treatment process.

Applications

Ideal for tempering, glass annealing, drying, preheating, and stress relieving of various materials and components at temperatures up to 650°C.

Powered Door

This latest design with the additional vertical uprising door has some innovative features including hinged door guides, so the oven can be moved and transported with the steel work lowered to the front edge reducing the overall height to 2480 mm allowing it to be transported by curtain sided vehicles.

Pneumatically powered uprising door with speed and soft stop control valve, to tailor the door speed to suit the process.

Standard Features

These high temperature industrial batch ovens are manufactured with the following features as standard.

- 650°C maximum temperature rating
- Excellent performance and reliability
- Temperature stability in the working chamber at rated temperature in thermal steady state, without charge, not more than $\pm 1^{\circ}\text{C}$
- Temperature uniformity in working space at rated temperature in thermal steady state, without charge, not more than $\pm 5^{\circ}\text{C}$
- Low power consumption
- Short heating/cooling time
- A long working oven life, ensured by a ferritic stainless steel interior
- Mild steel clad exterior, with a powder painted exterior
- High thermal efficiency is achieved through the use of low thermal mass insulation
- High volume airflow for excellent uniformity & heating rates
- Micro processor Omron E5CC Programable Temperature controller and Solid State Relay (SSR) heating power control
- Eurotherm 3216I Over Temperature Protection
- OTP (over temperature protection), Omron K8 relay

- Eurotherm 3208 digital dual display temperature control
- OTP (over temperature protection) inside the control panel
- Solid State Relay (SSR) heating power control for close control of the heating profile
- Pneumatically powered door opening, with dual safety hand switches
- Heavy duty adjustable door hinges
- Twin shelves supplied with 5 shelf runners
- Door limit switch to shut heat off when door opens to protect the operator
- 1 year manufacturer warranty

Available Options

- Buzzer
- Timer (delayed start)
- Omron Touch screen
- Digital data recorder Eurotherm 6100E or Nanodac
- PC connection and software SNOL V2.0
- Door swings opens to the left
- Door swings opens to the right
- Additional shelves
- Reinforced bottom for heavy loading
- Removable bogie hearth for convenient loading
- [Manual Door](#)
- [350°C Industrial Ovens](#)

Fully Factory Assembled and Tested

The equipment is, fully factory tested and adjusted prior to shipment from our facility. All safety interlocks are checked for proper operation and the equipment is operated at its maximum operating temperature for a test period. If a temperature uniformity profile test and certification is purchased, the profile test will be performed and documented prior to shipment.

Image: Rising Door Oven Range

Customers are invited and encouraged to visit our site to witness testing and sign off the equipment prior to shipment. During this visit, personnel are available to demonstrate, and answer any questions you may have concerning design, operation, and maintenance.

Technical Specifications:

Temperature range max 650°C

Chamber Material Stainless steel

Chamber volume 360 Litre

Rated power not more than kW 25

Rated supply voltage Volt 400

Rated frequency Hz 50

The Marketplace for Surface Technology.
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Machine Datasheet



Number of phases 3

Continuous operating temperature 50 – 650°C

Maximum temperature 650 °C

Working chamber material Stainless steel

Airflow Vertical

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