

Genlab

Laboratory Division

LARGE CAPACITY MULTIPURPOSE OVENS



The GENLAB Large Capacity Multipurpose Ovens offer a unique range of highly efficient, reliable and accurate units suitable for much larger applications in drying, curing, general laboratory and industrial uses.

Specifications

- Capacities 250 to 1250 Litres
8 sizes vertical style
9 sizes horizontal style
- Temperature range: 50°C to 250°C
- Microprocessor digital controller with dual display of set point and actual temperature
- Safety overheat thermostat
- 0-99 hour process timer
- 8 segment program (4 ramp 4 dwell)
- Forced convection fan circulation
- Easy clean powder coated body
- Aluminium coated mild steel chamber
- Fitted castors on units 650 litre and above
- Full two year warranty
- C.E. compliant

Options

- Stainless steel chamber
- 300°C units available
- Fitted castors on units up to 500 litres

Accessories

- Extraction systems
- Timers/Recorders
- Trolleys and racking
- Other accessories available on request



Certificate No. 5531

LARGE CAPACITY MULTIPURPOSE OVENS

Design

The exterior is constructed from sheet steel finished in an easy clean powder coated paint. The interior chamber is made from mild steel coated with aluminium (CLAD) with a stainless steel chamber available as an option.

Fitted with fixed shelf runners and removable chrome plated wire grid shelves.

The vertical style units are fitted with single doors, the horizontal style units are fitted with twin doors.

Heating

Heated by Incoloy sheathed elements positioned in the side fan duct for all units except the 9H and 12H which have a base fan duct

Controls

The control system comprises of a PID Microprocessor Controller with dual displays of set point and actual temperature, which are auto-tuned for each individual unit to optimise the heat up, overshoot and control of the temperature. They also include mains switch with indicator and heat and overheat indicators.

The controller has a 0-99 hour process timer that can be selected for a fixed time period at a required set point plus an 8 segment program with 4 ramp and 4 dwell facility.

The control panels are fitted on the side of each unit except the 9H and 12H, which are fitted in the base.

Specifications

Horizontal Style (H)

Genlab ref. Number	Capacity (litres)	Internal dims (H x W x D cm)	External dims (H x W x D cm)	No. of shelves	No. shelf positions	Weight (kg)
LCO/9H/DIG	250	54 x 92 x 44	94 x 109 x 57	3	4	80
LCO/12H/DIG	350	54 x 92 x 64	94 x 109 x 77	3	4	120
LCO/15H/DIG	425	76 x 92 x 64	97 x 135 x 81	4	5	150
LCO/18H/DIG	500	91 x 92 x 64	112 x 135 x 81	5	7	165
LCO/22H/DIG	650	91 x 92 x 77	127 x 157 x 95	5	7	180
LCO/27H/DIG	750	106 x 92 x 77	142 x 157 x 95	5	8	200
LCO/30H/DIG	850	122 x 92 x 77	158 x 157 x 95	5	9	220
LCO/35H/DIG	1000	142 x 92 x 77	178 x 157 x 95	5	11	240
LCO/42H/DIG	1250	142 x 122 x 74	178 x 187 x 92	5	11	275

Vertical Style (V)

Genlab ref. Number	Capacity (litres)	Internal dims (H x W x D cm)	External dims (H x W x D cm)	No. of shelves	No. shelf positions	Weight (kg)
LCO/9V/DIG	250	91 x 51 x 52	117 x 94 x 69	5	7	85
LCO/12V/DIG	350	91 x 61 x 62	117 x 104 x 79	5	7	110
LCO/15V/DIG	425	91 x 61 x 77	117 x 104 x 94	5	7	140
LCO/18V/DIG	500	114 x 61 x 77	140 x 104 x 94	5	9	155
LCO/22V/DIG	650	114 x 77 x 77	150 x 142 x 95	5	9	170
LCO/27V/DIG	750	128 x 77 x 77	164 x 142 x 95	5	10	190
LCO/30V/DIG	850	142 x 77 x 77	178 x 142 x 95	5	11	210
LCO/35V/DIG	1000	142 x 77 x 92	178 x 142 x 110	5	11	230