

## LGP Large General Purpose Ovens

### Standard features

- ✓ 250°C, 425°C, 625°C or 700°C maximum operating temperatures.
- ✓ 500 to 14000\* litre chamber volumes (\*custom build).
- ✓ PID digital set and display using the 2216 controller
- ✓ Large capacity, rugged well proven designs.
- ✓ Robust construction, for heavy duty cycles.
- ✓ Efficient air circulation and excellent temperature uniformity from heavy duty impellers.
- ✓ Corrosion resistant ferritic grade 430 stainless steel interior.
- ✓ Steel section & zinc coated, painted mild steel exterior.
- ✓ Single & double door models.
- ✓ Vertical rising door on larger high temperature models.
- ✓ Shelf runners on models up to 1000 litres.
- ✓ Low thermal mass insulation for economical running.
- ✓ Fully adjustable chamber ventilation.



LGP 2/1000 (with accessory options including stoving & curing kit & chart recorder)

### Options

*specify these at time of order*

- ◆ Over-temperature protection to DIN 12-880 class 2 (recommended to protect valuable contents & for unattended operation).
- ◆ Digital process control timers & multi segment programmers are available.
- ◆ Bespoke specifications are available for AMS2750 (NADCAP) & ISO/TS16949:2002 compliant applications.
- ◆ Access ports for cables & pipes.
- ◆ Exhaust proving switch.
- ◆ Manual or motorised vertically opening doors.
- ◆ Vertical airflow impellers.
- ◆ Explosion relief panels.

- ◆ Interior light (subject to temperature limitations).
- ◆ Standard or heavy duty shelves as required.
- ◆ A wide range of sample loading & handling accessories can also be supplied.
- ◆ Paperless DAQ (Data Acquisition) graphical recorders available.

Extensive experience in industrial oven and furnace design are combined with the very latest in technology, materials and manufacturing practice to build the standard range of ovens. These also form the basis of numerous bespoke designs that solve specific customers application requirements.

Model	Max temp (°C)	Temp stability (°C)	Temp uniformity (°C) @250°C	Volume (litres)	Heat-up time to max (mins)	Dimensions		Shelves fitted/accepted	Shelf loading each/total (kg)	Max power (W)	Power supply
						Internal H x W x D (mm)	External H x W x D (mm)				
LGP 2/500	250	±0.5	±5.0	500	60	800 x 800 x 800	1240 x 1725 x 1375 Single door	0 4	50 200	9000	3 phase
LGP 2/730	250	±0.5	±5.0	730	60	900 x 900 x 900	1265 x 1775 x 1450 Single door	0 4	50 200	9000	3 phase
LGP 2/1000	250	±0.5	±5.0	1000	60	1000 x 1000 x 1000	1375 x 1900 x 1450 Single door	0 4	50 200	12000	3 phase
LGP 2/1500	250	±0.5	±5.0	1500	60	1500 x 1000 x 1000	1900 x 1900 x 1450 Single door	0 7	50 350	15000	3 phase
LGP 2/1750	250	±0.5	±5.0	1750	60	1200 x 1200 x 1200	1600 x 2100 x 1700 Single door	0 5	50 250	18000	3 phase
LGP 2/2160	250	±0.5	±5.0	2160	60	1500 x 1200 x 1200	1900 x 2100 x 1700 Single door	0 7	50 350	18000	3 phase
LGP 2/3370	250	±0.5	±5.0	3370	60	1500 x 1500 x 1500	1900 x 2400 x 2000 Single door	0 7	50 350	24000	3 phase
LGP 2/5830	250	±0.5	±5.0	5830	60	1800 x 1800 x 1800	2200 x 2700 x 2300 Two door	0 9	50 450	35000	3 phase
LGP 2/8000	250	±0.5	±5.0	8000	60	2000 x 2000 x 2000	2400 x 2800 x 2900 Two door	0 —	— —	42000	3 phase
LGP 2/13820	250	±0.5	±5.0	13820	60	2400 x 2400 x 2400	2800 x 3200 x 3300 Two door	0 —	— —	60000	3 phase

## LGP Large General Purpose Ovens



LGP 2/3200 (with optional process timer)

Model	Max temp (°C)	Temp stability (°C)	Temp uniformity (°C) at 250°C	Volume (litres)	Heat-up time to max (mins)	Dimensions		Shelves fitted/accepted	Shelf loading Each/total (kg)	Max power (W)	Power supply
						Internal H x W x D (mm)	External H x W x D (mm)				
LGP 4/500	425	±0.5	±5.0	500	60	800 x 800 x 800	1240 x 1725 x 1375 Single door	0	50 200	9000	3 phase
LGP 4/730	425	±0.5	±5.0	730	60	900 x 900 x 900	1265 x 1775 x 1375 Single door	0	50 200	12000	3 phase
LGP 4/1000	425	±0.5	±5.0	1000	60	1000 x 1000 x 1000	1375 x 1900 x 1450 Single door	0	50 200	18000	3 phase
LGP 4/1500	425	±0.5	±5.0	1500	60	1500 x 1000 x 1000	1900 x 1900 x 1450 Single door	0	50 350	21000	3 phase
LGP 4/1750	425	±0.5	±5.0	1750	60	1200 x 1200 x 1200	1600 x 2100 x 1700 Single door	0	50 250	24000	3 phase
LGP 4/3370	425	±0.5	±5.0	3370	60	1500 x 1500 x 1500	1900 x 2100 x 1700 Single door	0	50 350	33000	3 phase
LGP 4/5830	425	±0.5	±5.0	5830	60	1800 x 1800 x 1800	1900 x 2400 x 2000 Two door	0	50 350	48000	3 phase
LGP 4/8000	425	±0.5	±5.0	8000	60	2000 x 2000 x 2000	2200 x 2700 x 2300 Two door	0	50 450	54000	3 phase



Minimum operating temperature approximately ambient plus 35°C  
 Uniformity values are measured with vents closed in a steady state oven after a stabilisation period.  
 Shelf loadings are based on evenly distributed weight

# AIR RECIRCULATING OVENS



## LGP Large General Purpose Ovens



LGP 6/3370 (with optional chart recorder)

Model	Max temp (°C)	Temp stability (°C)	Temp uniformity (°C) at 250°C	Volume (litres)	Heat-up time to max (mins)	Dimensions		Shelves fitted/accepted	Shelf loading Each/total (kg)	Max power (W)	Power supply
						Internal H x W x D (mm)	External H x W x D (mm)				
LGP 6/500	625	±0.5	±5.0	500	75	800 x 800 x 800	1240 x 1725 x 1375 Single door	0	50 200	15000	3 phase
LGP 6/730	625	±0.5	±5.0	730	75	900 x 900 x 900	1265 x 1775 x 1375 Single door	0	50 200	18000	3 phase
LGP 6/1000	625	±0.5	±5.0	1000	75	1000 x 1000 x 1000	1375 x 1900 x 1450 Single door	0	50 200	24000	3 phase
LGP 6/1500	625	±0.5	±5.0	1500	75	1500 x 1000 x 1000	1900 x 1900 x 1450 Single vertical rising	0	50 350	30000	3 phase
LGP 6/1750	625	±0.5	±5.0	1750	75	1200 x 1200 x 1200	1600 x 2100 x 1700 Single vertical rising	0	50 250	36000	3 phase
LGP 6/3370	625	±0.5	±5.0	3370	75	1500 x 1500 x 1500	1900 x 2100 x 1700 Single vertical rising	0	50 350	48000	3 phase
LGP 6/5830	625	±0.5	±5.0	5830	75	1800 x 1800 x 1800	1900 x 2400 x 2000 Single vertical rising	0	50 450	72000	3 phase
LGP 7/500	700	±0.5	±5.0	500	—	800 x 800 x 800	1240 x 1725 x 1375 Single door	0	50 200	18000	3 phase
LGP 7/730	700	±0.5	±5.0	730	—	900 x 900 x 900	1265 x 1775 x 1375 Single door	0	50 200	24000	3 phase
LGP 7/1000	700	±0.5	±5.0	1000	—	1000 x 1000 x 1000	1375 x 1900 x 1450 Single door	0	50 200	30000	3 phase
LGP 7/1500	700	±0.5	±5.0	1500	—	1500 x 1000 x 1000	1900 x 1900 x 1450 Single vertical rising	0	50 350	36000	3 phase
LGP 7/1750	700	±0.5	±5.0	1750	—	1200 x 1200 x 1200	1600 x 2100 x 1700 Single vertical rising	0	50 250	48000	3 phase



Minimum operating temperature 50°C  
 uniformity values are measured in and empty chamber with vent closed after a stabilisation period  
 & within a volume 100mm from the walls & roof, & 150mm from the floor & doors  
 Shelf loadings are based on evenly distributed weight



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



**UK Office**

**Keison Products,**

**P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.**

**Tel: +44 (0)1245 600560**

**Fax: +44 (0)1245 600030**

**Email: [sales@keison.co.uk](mailto:sales@keison.co.uk)**

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.