

NEW LOW ENERGY E³ Drying cabinets

State of the art design, energy efficient, safe and sustainable

Forget traditional energy inefficient, costly to run drying cabinets. Our new E3 range of glassware drying cabinets, are unique, sustainable, first to market, energy efficient, safer and cheaper to run. Working with the University of Cambridge, The E3 is a novel, sustainable solution to glassware drying. In addition they're much easier to use.

Key features

- Timer to automate shut down periods
- Fully insulated with adjustable vent cover
- Integral 7 Day timer with display
- Digital controller with fixed over-temperature safety cut-out
- Adjustable shelf runners with removable chrome shelves
- Lockable castors on the 425 and 885 litre models
- Easy clean powder coated body with toughened glass doors



What is E³ ?

GPE is proud to offer our customers a unique range of sustainable laboratory products and services. E3 is our market leading brand for scientifically developed, cutting edge, sustainable, eco-friendly products.

Whether you are a single laboratory needing to buy greener and smarter, or a larger organisation concerned with reducing overall running costs, GPE's E3 can provide the solution that's best for you.



Benefits and cost savings

- Low energy consumption - $\geq 50\%$ lower than traditional cabinets
- Low heat output - reducing air conditioning costs
- Fully insulated - safer for end users
- Easy, specific temperature controller
- Integral programmable 7 day timer - ON/OFF to reflect your needs
- Convection or fan - heat up time < 1 hour

Drying/warming cabinets



Capacity (l)	100	200	425	885
Max. temperature (°C)	80	80	80	80
Shelves supplied / max.	3/4	3/4	3/12	3/12
Doors	Sliding, toughened glass	Sliding, toughened glass	Double glazed, hinged	Double glazed, hinged
External WxDxH (mm)	740x420x660	1000x500x770	600x650x1755	1180x650x1755
Internal WxDxH (mm)	670x370x400	930x450x490	530x590x1350	1110x590x1350
Net weight	50kg	75kg	140kg	210kg
Max. power consumption (W)	500	750	1750	2500
Power requirements	220-240 V, 50 Hz, 1 ph.			
Construction	Powder coated paint, with stainless steel interior			
Energy consumption	(kWh/day @75 °C)*			
Natural convection	5.56	8.65	13.27	N/A
Fan circulation	8.35	12.97	18.32	27.18

Moisture removal – convection vs. fan circulation*

Unit – set at 75 °C	Water loss (g/hr)	kWh/day
Unit A (82 l)	22.02	11.184
E3 Convection (100 l)	22.80	5.560
E3 Fan (100 l)	43.56	8.350

E3 fan units are able to remove approximately **double the moisture** of a convection unit, the time taken to dry a load is therefore **halved**. As a result the energy used to dry a load is actually **lower for a fan unit compared to a convection unit**.

*Note: All units tested were at a set temperature of 75 °C (empty chamber) and the ambient temperature was 22 °C. Energy consumption figures will differ based on unit set temperature and ambient conditions.

Cat. No.	Model
Natural convection	
GENLE3DWC100/N	E3DWC100/N, 100 l drying cabinet
GENLE3DWC200/N	E3DWC200/N, 200 l drying cabinet
GENLE3DWC425/N	E3DWC425/N, 425 l drying cabinet
Fan circulation	
GENLE3DWC100/F	E3DWC100/F, 100 l drying cabinet
GENLE3DWC200/F	E3DWC200/F, 200 l drying cabinet
GENLE3DWC425/F	E3DWC425/F, 425 l drying cabinet
GENLE3DWC885/F	E3DWC885/F, 885 l drying cabinet
Options	
GENLE3EXT	Extractor system

