

QLab Digital Ovens



FEATURING

| Digital Microprocessor Control | Air Forced OR Gravity Convection | Durable Double-wall Construction | Scratch-resistant Hammer Finish | Corrosion-resistant Aluminized Interior | 12-month Warranty | Proven Reliability

Advanced Design

Cabinets are as attractive as they are durable. Exteriors are painted light gray and have a hard, scratch-resistant hammer finish. Doors open with high-impact thermoplastic handles. Cabinets have heavy steel double-wall construction. Work space is insulated from the outer cabinet with one inch of high-density mineral wool, and interiors are made of corrosion-resistant aluminized steel.

Controls

The digital control combines the features of the analog model but offers the ease of temperature setting and the stability of a full PID microprocessor that accurately maintains settings within $\pm 0.5^{\circ}\text{C}$, even in varying ambient or power supply conditions.

This feature helps to confirm stability or indicate any control malfunction or power loss throughout a process period. The digital controller features large LED's that continuously display set temperature and process temperature, as well as a setting lock mode that provides protection against accidental or inadvertent adjustment.

Heating Elements

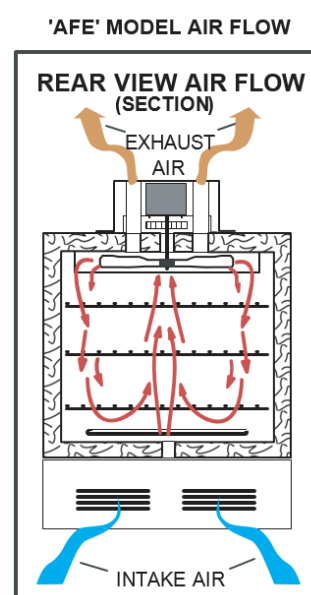
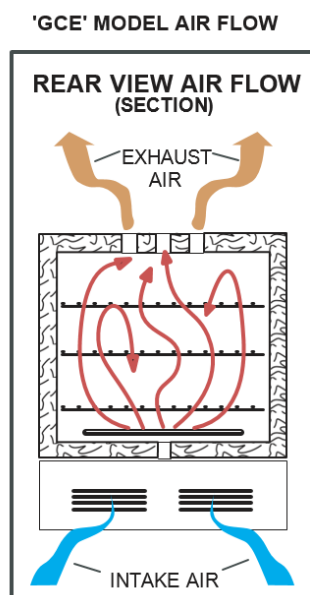
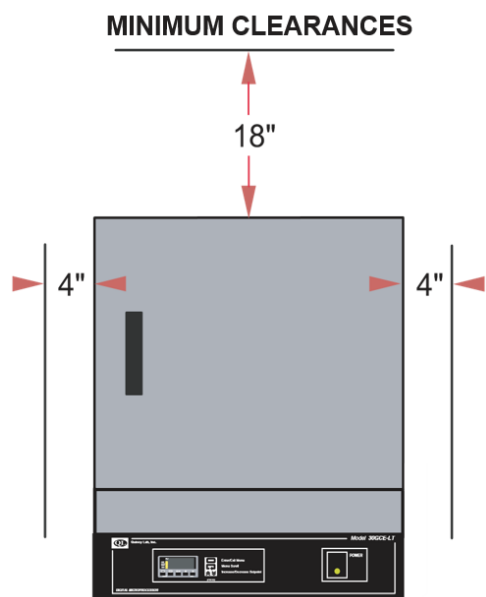
Energy-efficient, low-watt density, incoloy sheathed elements are engineered into a compact design for quick run-up and recovery times. Temperature uniformity is greatly improved by a perforated heat shield which absorbs radiant heat and distributes it more evenly throughout the product chamber.

GCE and AFE Models

QLab uses only quality UL and CSA recognized components in all ovens. The 'GCE' series gravity convection ovens are designed to meet the laboratory needs of industry, research organizations, and schools. Well-crafted and versatile, they are used for part drying, baking, curing, sterilizing, evaporating, heat treating, annealing, and testing. The 'AFE' models offer forced-air circulation allowing for uniform distribution of heat throughout the chamber, which also facilitates dehydration and evaporating. The GCE and AFE series ovens have temperature ranges of: ambient $+15^{\circ}\text{C}$ minimum, to 232°C maximum, and are competitively priced and offer exceptional value and reliability.

QLab is AMERICAN Manufacturer of laboratory ovens and incubators for more than 40 years.

GENERAL SPECIFICATIONS		QLab 10GCE	QLab 20GCE	QLab 30GCE	QLab 40GCE	QLab 10AFE	QLab 20AFE	QLab 30AFE	QLab 40AFE
INTERIOR DIMENSIONS (CM) W x H x D		30x25 x25	33x33 x33	45x39 x30	45x55 x35	30x21 x25	33x28 x33	45x36 x30	45x50 x35
CAPACITY [liters]		19	36	52	86	16	31	48	70
EXTERIOR DIMENSIONS (CM) W x H x D		35x44 x31	38x54 x38	50x64 x36	50x80 x41	35x52 x31	38x63 x38	50x73 x36	50x89 x41
TEMPERATURE RANGE		To 232C							
Air Circulation		Natural Gravity				Fan forced convection			
TIME TOTEMPERATURE AMBIENT TO MAX [MIN]		43	52	37	42	43	44	38	48
RECOVERY TIME [MINUTES] AT 150C	DOOR OPEN 15 SEC	9	11	10	10	10	10	11	13
	DOOR OPEN 30 SEC	13	14	11	14	11	12	14	
CONTROL STABILITY		Typically +/- 1C							
Maximum Shelves		10	13	16	22	8	11	14	20
Maximum Shelf Load kg		19							
Electrical Power [230V]		600	750	1200	1500	800	1050	1500	1500
WEIGHT Kg	SHIPPING	24	32	43	51	29	37	47	55
	ALONE	18	25	32	41	21	33	36	45



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