QLab Low Temp Series Ovens

FEATURING

Digital Microprocessor Control | Air Forced OR Gravity Convection
Durable Double-wall Construction | Scratch-resistant Hammer Finish
Corrosion-resistant Aluminized Interior | Full 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 +/- 1.0C, even in varying ambient or power supply

A temperature-tracking feature stores temperature deviation from set point. 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 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.

GCE-LT and AFE-LT Models

NBD Lab uses only quality UL and CSA recognized components in all ovens. The 'GCE-LT' 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, and curing, sterilizing, evaporating, heat treating, annealing, and testing. The 'AFE-LT' series models offer a forced-air circulation allowing for a more uniform distribution of heat throughout the chamber, which also facilitates dehydration and evaporating. Both GCE-LT and AFE-LT series ovens have a temperature range to 107C, and are competitively priced and offer exceptional value and reliability.

We have been a mainline manufacturer of laboratory ovens and incubators for more than 40 years.
We are dedicated to product value, customer satisfaction, and ongoing product support.

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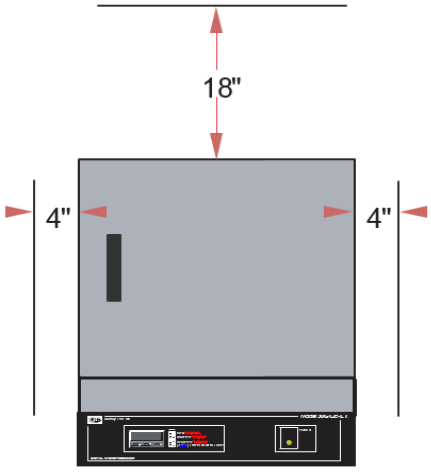
GENERAL SPECIFICATIONS		QLab 10GCE-LT	QLab 20GCE-LT	QLab 30GCE-LT	QLab 40GCE-LT	QLab 10AFE-LT	QLab 20AFE-LT	QLab 30AFE-LT	QLab 40AFE-LT
INTERIOR DIMENSIONS (CM) W x H x D		30.5x25.4 x25.4	33x33 x33	45.7x39.6 x30.5	45.7x55.4 x35.6	30.5x21 x25.4	33x28 x33	45.7x36 x30.5	45.7x50.3 x35.6
EXTERIOR DIMENSIONS (CM) W x H x D		35.6x44.5 x31.2	38x54.6 x38.9	50.8x64.8 x36.2	50.8x80 x41.4	35.6x52 x31.2	38x63.5 x38.9	50.8x73.7 x36.2	50.8x89 x41.4
Volume		19.8	36	56.6	85	17	32.3	51.8	81
Temp' Range C		99	99	99	99	107	107	107	107
Air Circulation		Natural Gravity				Fan forced convection			
Shelves	Max units	10	13	16	22	8	11	14	20
	Max weight	19	19	19	19	19	19	19	19
Electrical power [230VAC]		250	260	360	360	330	440	800	800
Weight [kg]	Shipping	24	25	43	51	29	37	47	55
	Alone	18	19	32	41	21	33	36	45

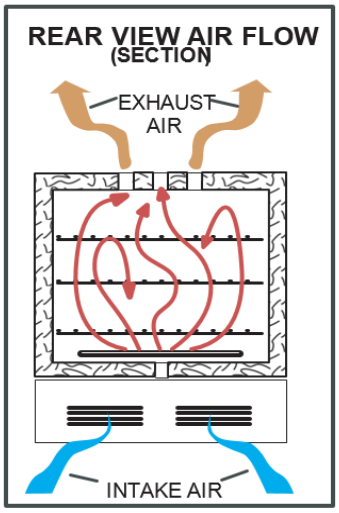
**PERFORMANCE CHARACTERISTICS		QLab 10GCE-LT	QLab 20GCE-LT	QLab 30GCE-LT	QLab 40GCE-LT	QLab 10AFE-LT	QLab 20AFE-LT	QLab 30AFE-LT	QLab 40AFE-LT
CONTROL STABILITY @ 75 CO		+/-0.8	+/-0.8	+/-1.0	+/-1.0	+/-0.8	+/-0.8	+/-1.0	+/-1.0
Time To Temperature AMBIENT TO MAX		27	30	28	34	36	40	27	40
RECOVERY At 93 C	Door open 15 sec	4min	5.5min	5min	8min	3min	8min	4min	7min
	Door open 30 sec	8min	8min	8min	14min	4min	12min	6min	9min

** PERFORMANCE CHARACTERISTICS FOR STANDARD VOLTAGE MODELS, ALTERNATE VOLTAGE MODELS MAY VARY. ALL TESTS CONDUCTED UNDER CONTROLLED LABORATORY CONDITIONS.

MINIMUM CLEARANCES



'GCE-LT' MODEL AIR FLOW



'AFE-LT' MODEL AIR FLOW