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Product Group: **Incubators**
Product Category: **Water-Jacketed Automatic CO2**
Model Number: **460**

Holds temperature longer if power failure occurs
Exclusive SMARTGAS® system for accurate CO2 control
IR sensor for changing temperature and humidity conditions
TC sensor for constant temperature and humidity applications
Security password protection of set points avoids unintended changes
24 Month Warranty



Product Specifications

Easy to read LED display scans between actual temperature and % CO2 level.
Temperature adjustable heated door keeps inner glass door free of condensation for improved viewing of cultures.
Keypad programming for fast, easy adjustment of parameters.
Corrosion-resistant polished stainless steel chamber.
Dual chamber models come with separate, independent control systems.
Built-in RS232 port for transferring temperature and CO2 data to a printer.
Accessory HEPA filter (99.97% efficient at 0.5 microns) can be easily installed to ensure aseptic cell culture.
Five shelves and supports can be removed and reinstalled without tools for complete decontamination and easier cleaning. Twelve shelf positions per chamber.

Operation

Microprocessor temperature control from slightly above ambient to 60°C with thermal conductivity sensor; slightly above ambient to 55°C with infrared sensor with $\pm 0.1^\circ\text{C}$ control, $\pm 0.25^\circ\text{C}$ uniformity.
CO2 concentration from 0-20% with $\pm 0.1\%$ control.
Audible and visual alarms indicate temperature deviations of $\pm 1^\circ\text{C}$ or more, CO2 concentration deviations of 1% or greater, or when incubator door has been left open for more than five minutes.
Independent hydraulic high limit thermostat protects cultures in case of microprocessor system failure by limiting power to the heater if internal temperature exceeds setpoint.
CO2 recovery time to 5% CO2 (98% of set value) after 30 second door opening at 37°C is seven minutes.

Amps	6.3
Chamber Dimensions D	22 (56)
Chamber Dimensions H	single 22 (56)
Chamber Dimensions W	22 (56)
Chamber Volume CF	single chamber 6.2 (176)
Desc	Water-Jacketed Automatic CO2 Incubator
Hertz	60

Operating Temp Range C	Ambient +5° to 60°C
Overall Dimensions D	26.8 (68)
Overall Dimensions H	34 (86)
Overall Dimensions W	27.3 (69)
Product Line	Lab-Line
Shipping Weight LK	230 (104)
Sub Product Group Id	178.0
Temp Stability C	±0.1°C
Temp Uniformity C	±0.25°C
Volts	120
Watts	750
CUL	true



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