

## Fisher Isotemp Economy Lab Incubators



**Electronic control with safety backup** These economical incubators provide dependable, trouble-free heating for many light-duty laboratory assignments.

- Perfect for biology classrooms or as a backup for overloads in microbiology labs
- Controls are located at top of chamber within easy reach, even if unit is on the floor
- Internal electrical receptacle (5A at 120V) allows you to use a shaker or stirrer inside of the chamber

### Includes:

- Small (2.5 cu. ft.) and medium (3.75 cu. ft.) incubators each come with one chrome-plated steel, no-tip wire shelf
- Large (5.0 cu. ft.) incubator comes with two shelves
- Mounting holes at 2 in. (5cm) intervals on chamber walls let you place shelves where you need them; small incubator holds up to five shelves, medium incubator holds eight, large incubator holds 11 shelves
- All three models come with clips for front edge of shelf to hold a thermometer

Product Listing

Details & Specs.

Images

### Simple heating controls

- Turn on power switch and set temperature dial for any temperature between 30° and 75°C; major dial divisions are at 5°C intervals
- Electronic controller is factory calibrated
- Built-in backup controller will maintain temperature at 3°C above setpoint temperature if primary controller should fail

### Easy-to-see illuminated status indicators

- Green POWER indicator shows power is on
- Red HEAT indicator cycles on and off to notify when incubator heaters are operating
- When lit, yellow ALARM light means incubator is operating under backup control

### Gravity flow convection

- Air inlet port supplies air to plenum below chamber
- As air is heated, it generates convection that causes air to circulate gently

throughout chamber in a vertical pattern.

- Used air is expelled through an exhaust port at the back of the incubator

**Many convenient, easy-care features**

- Incubator cabinet has durable enamel-coated steel exterior
  - Extruded aluminum trim has an acrylic powder coating
  - Chamber is easy-to-clean stainless steel
  - Low-watt-density heater elements are designed for long life
  - Tempered glass door opens to 180° for unhindered access
  - Wire frame shelves of chrome-plated steel are 17<sup>3</sup>/<sub>8</sub> in. wide and 16<sup>3</sup>/<sub>4</sub> in. front-to-back (44 x 42.5cm)
  - Black synthetic rubber feet keep incubator from slipping and maintain a space between incubator and benchtop for ventilation
  - To maximize valuable lab space, incubators can be easily stacked
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Model	Small	Medium	Large
Capacity (Chamber Volume)	2.5 cu. ft. (70.8L)	3.75 cu. ft. (106.2L)	5.0 cu. ft. (141.6L)
Temperature Range	30° to 75°C (86° to 167°F)	30° to 75°C (86° to 167°F)	30° to 75°C (86° to 167°F)
Average Uniformity <sup>1</sup>	±1°C at 37°C	±1°C at 37°C	±1°C at 37°C
Resolution	0.5°C	0.5°C	0.5°C
Control Sensitivity	±0.1°C	±0.1°C	±0.1°C
Recovery <sup>2</sup>	1 min.	1 min.	3.5 min.
Air Changes per Hour	6	4	3
BTU per Hour [75 C]	290	358	427
Exterior L x W x H <sup>3</sup>	233/4 x 253/4 x 263/4 in. (60.3 x 65.4 x 68cm)	233/4 x 253/4 x 331/16 in. (60.3 x 65.4 x 84cm)	233/4 x 253/4 x 391/2 in. (60.3 x 65.4 x 100.3cm)
Interior D x W x H	18 x 18 x 131/2 in. (45.7 x 45.7 x 34.3cm)	18 x 18 x 20 in. (45.7 x 45.7 x 51cm)	18 x 18 x 261/2 in. (45.7 x 45.7 x 67.3cm)
Shipping Weight	85 lb. (39kg)	98 lb. (44kg)	122 lb. (55kg)
Electrical Requirements <sup>4</sup>	120V 60Hz, 260w, 2.2A	120V 60Hz, 260w, 2.2A	120V 60Hz, 320w, 2.7A
Cat. No.	11-690-525D	11-690-537D	11-690-550D