

# General Purpose Incubators

General Purpose, Large Capacity, and Refrigerated



Experience Superb Craftsmanship and Uncompromising Temperature Uniformity

Constant thinking.



# General Purpose Incubators

General Purpose Models: GI2 | GI6 | GI7 | GI11 | GI12

## Precise Temperature Control - Superior Uniformity

- **Microprocessor Control**
- **Interior Glass Door with Radius Corner**
- **Unique Warm Air-Jacket Design**
- **Heated Outer Door**
- **Interior Outlet**
- **Access Port**
- **No Rivets, Seam Welded Panels & Doors**
- **12 Month Warranty**

SHEL LAB general purpose incubators deliver a superior degree of temperature uniformity. This design requires **no blowers or fans within the incubator chamber**. Five strategically placed heating elements, including a heated outer door, ensure uniform heating, while our unique air-jacket design eliminates hot spots when the incubator chamber is fully loaded.

Our microprocessor controller achieves exceptional temperature control with no overshoot. Setpoint and actual chamber temperature are digitally displayed. Even temperature calibration is easily performed by touch pad control. A totally independent secondary temperature controller offers the added safety of overtemperature protection.

Interior Electrical Outlet



Interior Access Port



**General Purpose GI6**



**General Purpose GI11**



Adjustable, No Tip Shelf Design

Model Number	GI2 GI2-2*	GI6 GI6-2*	GI7 GI7-2*	GI11 GI11-2*	GI12 GI12-2*
Chamber Volume	55 L/1.95 Cu. Ft.	170L/6 Cu. Ft.	189 L/6.7 Cu. Ft.	318 L/11.25 Cu. Ft.	340 L/12 Cu. Ft. 170 L/6 Cu. Ft. Each
Controls/Displays	Microprocessor/Digital LED	Microprocessor/Digital LED	Microprocessor/Digital LED	Microprocessor/Digital LED	Microprocessor/Digital LED
Temperature Range	Ambient +5 to 70°C	Ambient +5 to 70°C	Ambient +5 to 70°C	Ambient +5 to 70°C	Ambient +5 to 70°C
Temperature Uniformity	+/-0.35°C at 37°C	+/-0.35°C at 37°C	+/-0.35°C at 37°C	+/-0.35°C at 37°C	+/-0.35°C at 37°C
Chamber Style	Single	Single	Single	Single-two door	Dual-Over/Under
Exterior Dimensions (wxdxh)	21 x 21 x 25 in. 53 x 53 x 64 cm.	25 x 27 x 37 in. 64 x 69 x 94 cm.	30 x 30 x 32 in. 76 x 76 x 81 cm.	42 x 27 x 37 in. 107 x 69 x 94 cm.	25 x 27 x 74 in. 64 x 69 x 188 cm.
Interior Dimensions (wxdxh)	15 x 15 x 15 in. 38 x 38 x 38 cm.	19 x 20 x 26 in. 49 x 51 x 66 cm.	24 x 24 x 37 in. 65 x 65 x 51 cm.	36 x 20 x 27 in. 91 x 51 x 69 cm.	19 x 20 x 26 in. each 49 x 51 x 66 cm.
Interior Outlet	One	One	One	One	One each
Tempered Safety Glass Door	Yes	Yes	Yes	Yes	Yes
Access Port	Yes	Yes	Yes	Yes	Yes
Over Temperature Safety	Independent Overtemp Protection	Independent Overtemp Protection	Independent Overtemp Protection	Independent Overtemp Protection	Independent Overtemp Protection
Electrical Requirements Watts/Amps/Cycle Phase-120V Watts/Amps/Cycle Phase-220V	450W / 4.5A / 50/60Hz 500W / 2.5A / 50/60Hz	700W / 4.5A / 50/60Hz 725W / 2.5A / 50/60Hz	650W / 4.5A / 50/60Hz 700W / 2.5A / 50/60Hz	850W / 5.9A / 50/60Hz 3840W / 16A / 50/60Hz	Each Chamber 650W / 5.0A / 50/60Hz 725W / 2.5A / 50/60Hz

# General Purpose Incubators

Large Capacity Models: RI28 | RI40



Large Capacity RI28

## Optimize Floor Space

- Reach-In and Extra Large
- Horizontal Air Flow
- Four (4) Interior Electrical Outlets
- Prewired Panel for Chart Recorder
- Tempered Glass Viewing Window

Models RI28 and RI40 incubators provide extra-large chamber capacities while minimizing the amount of floor space used. Both models incorporate our microprocessor controller to achieve precise temperature uniformity. A totally **independent secondary temperature controller** offers the added security of overtemperature protection. The chamber floors are ruggedly **reinforced to support roller apparatus or shakers**. Both models are supplied with six (6) sturdy shelves for heavy loads.

SHEL LAB General Purpose Incubators feature seam welded doors that protect against gradual breakdown of the door. This creates an unparalleled durability that will ensure a long life for each SHEL LAB incubator.

## Horizontal Airflow



The SHEL LAB Air Jacket design and heated outer door allows for uniform heat throughout our incubators.



Model Number	RI28 RI28-2*	RI40 RI40-2*
Capacity	28 Cu. Ft.	40 Cu. Ft.
Controls/Displays	Microprocessor/ Digital LED	Microprocessor/ Digital LED
Temperature Range	Ambient +5 to 70°C	Ambient +5 to 70°C
Temperature Uniformity	+/-0.5°C at 37°C	+/-0.5°C at 37°C
Chamber Style	Single	Single
Chamber Volume	793 Lit./28 Cu. Ft.	1133 Lit./40 Cu. Ft.
Exterior Dimensions (wxdxh)	36 x 33 x 75 in. 91 x 84 x 19 cm.	41 x 34 x 87 in. 104 x 86 x 221 cm.
Interior Dimensions (wxdxh)	31 x 25 x 62 in. 79 x 64 x 221 cm.	35 x 26 x 76 in. 89 x 66 x 193 cm.
Interior Outlet	Four	Four
Tempered Safety Glass Door	Yes	Yes
Access Port	No	No
Over Temperature Safety	Independent Overtemp Protection	Independent Overtemp Protection
Electrical Requirements Watts/Amps/Cycle Phase-120V Watts/Amps/Cycle Phase-220V	1485W / 8.5A / 50/60Hz 500W / 2.5A / 50/60Hz	1650W / 12.5A / 50/60Hz 1850W / 8.0A / 50/60Hz

\*-2 indicates 220V.

# General Purpose Incubators

Refrigerated Models: LI5 | LI15 | LI20 | LI27

The LI15 is a Diurnal Growth/Refrigerated Incubator with fluorescent growth lights mounted on the door.

- Microprocessor Control
- Fan Assisted/Forced-Air Circulation
- LED Display of Setpoint and Chamber Temperature
- High and Low Limit Thermostats
- Interior Electrical Outlet

Units are equipped with a hermetically-sealed compressor, a circuit breaker to protect from electrical overload, and an easy-to-clean fully insulated chamber that is corrosion-resistant. Gentle, continuous forced-air circulation ensures temperature uniformity and reproducible test conditions.

Low Temperature Incubators are ideal for testing B.O.D of sewage and wastewater, as well as other low temperature and room temperature applications.

## BOD Incubator LI15

\*Caster Platforms Available for LI15 and LI20 Models!



## BOD Incubator LI5

Model Number	LI5 LI5-2*	LI15 LI15-2*	LI20 LI20-2*	LI27 LI27-2*
Capacity	3.2 Cu. Ft.	15.5 Cu. Ft.	19.9 Cu. Ft.	25 Cu. Ft.
Temperature Range	-10°C to 45°C (at 21°C ambient)	-10°C to 45°C (at 20°C ambient)	-10°C to 45°C (at 20°C ambient)	-10°C to 45°C (at 20°C ambient)
Temperature Uniformity	+/-0.5°C at 20°C	+/-0.5°C at 20°C	+/-0.5°C at 20°C	+/-0.5°C at 20°C
Exterior Dimensions (wxdxh)	24 x 22 x 33 in. 61 x 56 x 84 cm.	34 x 30 x 77 in. 86 x 76 x 196 cm.	34 x 30 x 77 in. 86 x 76 x 196 cm.	35.5 x 35.5 x 78.75 in. 90 x 90 x 200 cm.
Interior Dimensions (wxdxh)	16 x 14 x 25 in. 41 x 36 x 64 cm.	27 x 18 x 55 in. 69 x 46 x 140 cm.	27 x 23 x 55.5 in. 69 x 59 x 141 cm.	32.25 x 21.5 x 65.5 in. 82 x 55 x 166.5 cm.
Shelves Supplied	2	6	5	5
Capacity of Standard BOD Bottles	62	317	345	565
Electrical Requirements				
Watts/Amps/Cycle Phase-120V	400W / 3.5A / 50/60Hz	1350W / 3.5A / 50/60Hz	1300W / 3.5A / 50/60Hz	1500W / 3.5A / 50/60Hz
Watts/Amps/Cycle Phase-220V	400W / 3.5A / 50/60Hz	1350W / 3.5A / 50/60Hz	1300W / 3.5A / 50/60Hz	1500W / 3.5A / 50/60Hz

\*-2 indicates 220V.

**Do you need a Drosophila Specific Refrigerated Incubator?**

Contact us about our **LIFLY Superfly Incubator** that functions within the range of temperatures preferred by fruit flies.

## SHELDON MFG INC.

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