

# incubators

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## Thermo Scientific Microbiological Incubators Selector Guide

Application	Material/Sample	Temp. Requirements	Recommended Heratherm Incubator
<b>Bacterial research</b>	Bacteria	Temperatures between 30 °C and 70 °C	General Protocol; Advanced Protocol for highest temperature accuracy, and time control
<b>Microbiology</b>	Microorganisms, cells	Temperatures between 30 °C and 50 °C	
<b>Coliform determination</b>	Bacteria	Temperature around 37 °C	
<b>Histology</b>	Tissue	Temperature around 37 °C	
<b>Paraffin embedding</b>	Paraffin	Temperatures of 37 °C to around 50 °C	
<b>Egg incubation</b>	Eggs	Temperature around 37 °C	General Protocol; Advanced Protocol for highest temperature accuracy, and time control
<b>Heated storage</b>	Media, samples	Temperature depends on material and specific application – between 30 °C and 105 °C	General Protocol for temperatures up to 75 °C; Advanced Protocol for highest temperature accuracy, and time control – up to 105 °C
<b>Gene cloning</b>	Bacteria, cells	Temperature around 37 °C	Advanced Protocol for highest temperature accuracy, and time control
<b>Pharmaceutical stability testing</b>	Various	Temperatures of 37 °C up to 105 °C	Advanced Protocol Security with additional safety features for peace of mind
<b>Food and beverage testing</b>	Various	Temperatures of 37 °C up to 105 °C	
<b>BOD / water pollution testing</b>	Water	Temperature around 20 °C	Compact
<b>Yeast growth</b>	Yeast	Temperatures between 10 °C and 37 °C	General Protocol for temperatures above ambient +5 °C Advanced Protocol for highest temperature accuracy or Compact for temperatures as low as 17 °C
<b>Hatching of insects, fish</b>	Insects	Temperature near or below ambient	

Features	Heratherm Compact Incubator	Heratherm General Protocol Incubator	Heratherm Advanced Protocol Incubator	Heratherm Advanced Protocol Security Incubator
<b>Temperature range</b>	17 - 40 °C	ambient +5 °C - 75 °C	ambient +5 °C - 105 °C	ambient +5 °C - 105 °C
<b>Convection technology</b>	Mechanical	Gravity	Dual: fan off / adjust fan speed	Dual: fan off / adjust fan speed*
<b>Rounded corners</b>	✓	✓	✓	✓
<b>Microprocessor control</b>	✓	✓	✓	✓
<b>Automatic over-temperature alarm</b>		✓	✓	✓
<b>Stackable</b>		✓	✓	✓
<b>Stainless steel interior</b>		AISI 430/1.4016	AISI 304/1.4301	AISI 304/ 1.4301
<b>RS232 interface</b>		✓	✓	✓
<b>Internal glass door</b>		✓	✓	✓
<b>Easy calibration routine</b>		✓	✓	✓
<b>Timer</b>		on/off	choice of weekly / daily / real time	choice of weekly / daily / real time
<b>Dry alarm contact for connection of alarm device</b>			✓	✓
<b>Access port</b>		✓	✓	✓
<b>Interior socket (120V models only)</b>			✓	
<b>Optional Stainless steel exterior</b>			230V models only	✓
<b>Certified decontamination cycle</b>				✓
<b>Automatic undertemperature alarm</b>				✓
<b>Door alarm</b>				✓
<b>Lockable door</b>				✓**
<b>Optional stainless steel exterior</b>				✓
<b>Connection for optional sample temperature sensor</b>				✓

\*Large capacity units: mechanical convection with 2 speeds

\*\* No lockable door in large capacity units

## Thermo Scientific Heratherm Compact Microbiological Incubators

**Extremely small footprint, making it ideal for personalized workspace or for crowded labs with small sample volumes**



- 18L capacity
- Mechanical convection technology
- High temperature accuracy
- Easy-to-use, LED display
- Internal light and window in door facilitates sample observation
- Temperature range: 17-40°C
- Peltier/Thermoelectric Technology

**Ordering Alerts:** Availability may vary by country

**Warranty\*:** 2 years (parts and labor)

**Certifications:** cCSAus, CE

Cat. No. (Model IMC18)	Chamber Volume	Temp. Range	Shelves Supplied (Max)/ Max Load	Chamber Dimensions (D x W x H)	Exterior Dimensions (D x W x H)	Temp. Uniformity/ Stability (@37°C)	Shipping Weight	Electrical/Plug Type
<b>50125590</b>	18L (.65 cu. ft.)	17-40°C	2 (3)/ 2kg (4.4lbs)	290 x 180 x 310mm (11.4 x 7.1 x 12.2in.)	470 x 260 x 415mm (18.5 x 10.2 x 16.3in.)	±1.2°C/ ±0.2°C	7.2kg (15.9 lb.)	100-240V 50/60Hz, 45w; 0.45-0.85A/ US Nema 5-15
<b>50125882</b>	18L (.65 cu. ft.)	17-40°C	2 (3)/ 2kg (4.4lbs)	290 x 180 x 310mm (11.4 x 7.1 x 12.2in.)	470 x 260 x 415mm (18.5 x 10.2 x 16.3in.)	±1.2°C/ ±0.2°C	7.2kg (15.9 lb.)	100-240V 50/60Hz, 45w; 0.45-0.85A/ EU standard, UK and Australia cable/plug
<b>50129111</b>	18L (.65 cu. ft.)	17-40°C	2 (3)/ 2kg (4.4lbs)	290 x 180 x 310mm (11.4 x 7.1 x 12.2in.)	470 x 260 x 415mm (18.5 x 10.2 x 16.3in.)	±1.2°C/ ±0.2°C	7.2kg (15.9 lb.)	100-240V 50/60Hz, 45w; 0.45-0.85A/ China cable/plug

## Thermo Scientific Heratherm General Protocol Microbiological Incubators

**Ideally suited for routine applications in pharmaceutical, medical, food and research laboratories, with sample safety in mind**



- Gravity convection provides gentle airflow and minimal drying out
- Temperature range from ambient +5° to 75°C
- Corrosion-resistant stainless-steel chamber (1.4016 / AISI 430) and coated exterior
- Intuitive user interface for setting temperature
- Large, easy to read vacuum fluorescent display
- Internal glass door allows sample viewing without impacting temperature
- Exceptionally small footprint
- Access port for independent data monitoring or use of equipment, such as shakers or stirrers inside unit
- Easy stacking of two same-size units without need for stacking device

**Ordering Alerts:** Availability may vary by country

**Warranty<sup>†</sup>:** 2 years (parts and labor)

**Certifications:** cCSAus (120V, 50/60Hz models) and CE (230V, 50/60Hz models)

Cat. No.	Chamber Volume	Temp. Range	Shelves Supplied (Max)/Max Load	Chamber Dimensions (D x W x H)	Exterior Dimensions (D x W x H)*	Temp. Uniformity/ Stability (@37°C)	Shipping Weight	Electrical/ Plug Type
<b>51028063</b>	75L (2.6 cu. ft.)	ambient +5 °C to 75 °C	2 (13)/25kg (55 lb.)	414 x 354 x 508mm (16.3 x 13.9 x 20.0in.)	470 x 565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	±0.6°C/ ±0.2°C	40kg (88 lb.)	120V 60Hz; 300w; 2.5A; Nema 5-15 US
<b>51028130</b>	75L (2.6 cu. ft.)	ambient +5 °C to 75 °C	2 (13)/25kg (55 lb.)	414 x 354 x 508mm (16.3 x 13.9 x 20.0in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	±0.6°C/ ±0.2°C	40kg (88 lb.)	230V 50/60Hz; 300w; 1.3A; Country-specific
<b>51029638</b>	75L (2.6 cu. ft.)	ambient +5 °C to 75 °C	2 (13)/25kg (55 lb.)	414 x 354 x 508mm (16.3 x 13.9 x 20.0in.)	470 x 565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	±0.6°C/ ±0.2°C	40kg (88 lb.)	100V 50/60Hz; 300w; 3A; Nema 5-15 Japan
<b>51028064</b>	117L (4.0 cu. ft.)	ambient +5 °C to 75 °C	2 (16)/25kg (55 lb.)	414 x 464 x 608mm (16.3 x 18.3 x 23.9in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	±0.6°C/ ±0.2°C	51kg (112 lb.)	120V 60Hz; 540w; 4.5A; Nema 5-15 US
<b>51028131</b>	117L (4.0 cu. ft.)	ambient +5 °C to 75 °C	2 (16)/25kg (55 lb.)	414 x 464 x 608mm (16.3 x 18.3 x 23.9in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7 in.)	±0.6°C/ ±0.2°C	51kg (112 lb.)	230V 50/60Hz; 540w; 2.3A; Country-specific
<b>51029639</b>	117L (4.0 cu. ft.)	ambient +5 °C to 75 °C	2 (16)/25kg (55 lb.)	414 x 464 x 608mm (16.3 x 18.3 x 23.9in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	±0.6°C/ ±0.2°C	51kg (112 lb.)	100V 50/60Hz; 540w; 5.4A; Nema 5-15 Japan
<b>51028065</b>	194L (6.85 cu. ft.)	ambient +5 °C to 75 °C	2 (19)/25kg (55 lb.)	589 x 464 x 708mm (23.2 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6 in.)	±0.6°C/ ±0.2°C	65kg (143 lb.)	120V 60Hz; 720w; 6A; Nema 5-15 US
<b>51029640</b>	194L (6.85 cu. ft.)	ambient +5 °C to 75 °C	2 (19)/25kg (55 lb.)	589 x 464 x 708mm (23.2 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6 in.)	±0.6°C/ ±0.2°C	65kg (143 lb.)	100V 50/60Hz; 720w; 7.2A; Nema 5-15 Japan
<b>51028132</b>	194L (6.85 cu. ft.)	ambient +5 °C to 75 °C	2 (19)/25kg (55 lb.)	589 x 464 x 708mm (23.2 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6 in.)	±0.6°C/ ±0.2°C	65kg (143 lb.)	230V 50/60Hz; 710w; 3.1A; Country-specific

\* Depth does not include handle/display (65mm / 2.6in.) and distance spacer at rear (80mm / 3.1in.); height includes the feet (35mm / 1.4in.).

NOTE: All figures in tables are typical average values for series devices, based on factory standard following norm Din12880. Please contact us for certification information or IQ/OQ documents.

## Thermo Scientific Heratherm Advanced Protocol Microbiological Incubators

**Innovative dual convection technology with excellent temperature performance, providing an optimal sample environment**



**Ordering Alerts:** Availability may vary by country  
**Warranty\*:** 2 years (parts and labor)  
**Certifications:** cCSAus (120V, 50/60Hz models) and CE (230V, 50/60Hz models)

- Unsurpassed temperature performance — the flexible tool in the lab to be used for multiple applications
- Dual convection for application versatility — fan speed adjustable from 0 to 100%
- Advanced digital timer for daily or weekly ON / OFF cycles
- Access port for independent data monitoring or use of equipment, such as shakers or stirrers inside unit
- Internal 120V socket allows the use of equipment inside the unit (120V MODELS ONLY)
- Easy-to-clean, corrosion-resistant stainless-steel interior (1.4301 / AISI 304)
- Broad temperature range from 5°C above ambient to 105°C — suitable even for drying applications
- Temperature uniformity of  $\pm 0.6$  (Fan off) and between  $\pm 0.2^\circ\text{C}$  and  $\pm 0.4^\circ\text{C}$  (Fan full speed) (measured at  $37^\circ\text{C}$ )
- Temperature stability of  $\pm 0.1^\circ\text{C}$  (measured at  $37^\circ\text{C}$ )
- Microprocessor controlled touch button user interface for ease of use and best performance
- Large, easy-to-view vacuum fluorescent display
- Internal glass door allows sample viewing without impacting temperature
- Exceptionally small footprint
- Choice of stainless steel exterior available for demanding pharmaceutical and clinical requirement (230V models only)

Cat. No.	Model/Description	Chamber Volume	Temp. Range	Shelves Supplied (Max)/ Max Load	Chamber Dimensions (D x W x H)	Exterior Dimensions* (D x W x H)	Temp Uniformity (@37°C)	Temp Stability (@37°C)	Shipping Weight	Electrical/ Plug Type
<b>51028066</b>	IMH60, coated exterior, Dual Convection	66L (2.3 cu. ft.)	ambient +5 °C to 105 °C	2 (13)/ 25kg (55 lb.)	368 x 354 x 508mm (14.5 x 13.9 x 20in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	$\pm 0.6^\circ\text{C}^*/ \pm 0.2^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	45kg (99 lb.)	120V 60Hz; 300w; 2.5A; Nema 5-15 US
<b>51028067</b>	IMH100, coated exterior, Dual Convection	104L (3.67 cu. ft.)	ambient +5 °C to 105 °C	2 (16)/ 25kg (55 lb.)	368 x 464 x 608mm (14.5 x 18.3 x 23.9in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	$\pm 0.6^\circ\text{C}^*/ \pm 0.3^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	56kg (123 lb.)	120V 60Hz; 300w; 2.5A; Nema 5-15 US
<b>51028068</b>	IMH180, coated exterior, Dual Convection	178L (6.3 cu. ft.)	ambient +5 °C to 105 °C	2 (19)/ 25kg (55 lb.)	543 x 464 x 708mm (21.4 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	$\pm 0.6^\circ\text{C}^*/ \pm 0.4^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	70kg (154 lb.)	120V 60Hz; 300w; 2.5A; Nema 5-15 US
<b>51028133</b>	IMH60, coated exterior, Dual Convection	66L (2.3 cu. ft.)	ambient +5 °C to 105 °C	2 (13)/ 25kg (55 lb.)	368 x 354 x 508mm (14.5 x 13.9 x 20in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	$\pm 0.6^\circ\text{C}^*/ \pm 0.2^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	45kg (99 lb.)	230V 50/60Hz; 850w; 3.7A; Country-specific
<b>51028134</b>	IMH100, coated exterior, Dual Convection	104L (3.67 cu. ft.)	ambient +5 °C to 105 °C	2 (16)/ 25kg (55 lb.)	368 x 464 x 608mm (14.5 x 18.3 x 23.9in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	$\pm 0.6^\circ\text{C}^*/ \pm 0.3^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	56kg (123 lb.)	230V 50/60Hz; 1100w; 4.8A; Country-specific
<b>51028135</b>	IMH180, coated exterior, Dual Convection	178L (6.3 cu. ft.)	ambient +5 °C to 105 °C	2 (19)/ 25kg (55 lb.)	543 x 464 x 708mm (21.4 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	$\pm 0.6^\circ\text{C}^*/ \pm 0.4^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	70kg (154 lb.)	230V 50/60Hz; 1300w; 5.7A; Country-specific
<b>51028717</b>	IMH60 SS, stainless steel exterior, Dual Convection	66L (2.3 cu. ft.)	ambient +5 °C to 105 °C	2 (13)/ 25kg (55 lb.)	368 x 354 x 508mm (14.5 x 13.9 x 20in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	$\pm 0.6^\circ\text{C}^*/ \pm 0.2^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	45kg (99 lb.)	230V 50/60Hz; 850w; 3.7A; Country-specific
<b>51028718</b>	IMH100 SS, stainless steel exterior, Dual Convection	104L (3.67 cu. ft.)	ambient +5 °C to 105 °C	2 (16)/ 25kg (55 lb.)	368 x 464 x 608mm (14.5 x 18.3 x 23.9in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	$\pm 0.6^\circ\text{C}^*/ \pm 0.3^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	56kg (123 lb.)	230V 50/60Hz; 1100w; 4.8A; Country-specific
<b>51028719</b>	IMH180 SS, stainless steel exterior, Dual Convection	178L (6.3 cu. ft.)	ambient +5 °C to 105 °C	2 (19)/ 25kg (55 lb.)	543 x 464 x 708mm (21.4 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	$\pm 0.6^\circ\text{C}^*/ \pm 0.4^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	70kg (154 lb.)	230V 50/60Hz; 1300w; 5.7A; Country-specific

\* Depth does not include handle/display (65mm / 2.6in.) and distance spacer at rear (80mm / 3.1in.); height includes the feet (35mm / 1.4in.).

NOTE: All figures in tables are typical average values for series devices, based on factory standard following norm Din12880. Please contact us for certification information or IQ/OQ documents.

## Thermo Scientific Heratherm Advanced Protocol Security Microbiological Incubators

**Unique 140°C decontamination routine, providing outstanding safety for samples**



- Unique 140°C decontamination routine, providing outstanding safety for samples:
  - At 140°C microorganisms are reduced to a minimum, comparable to sterilization, within a six hour cycle
  - No need for separate autoclaving of interior fittings
  - Certified by an accredited microbiological institute (IBFE 09/2010)
- Safety features for ultimate sample protection:
  - Lockable door for restricted access
  - Alarm sounds if door is left open accidentally
  - Automatic over- and under-temperature alarm
- Dual convection for application versatility — fan speed adjustable from 0 to 100%
- Advanced digital timer for daily or weekly ON / OFF cycles
- Temperature Range: Ambient +5°C to 105°C
- Intuitive user interface for setting temperature
- Large, easy to read vacuum fluorescent display
- Optional sample sensor provides exact temperature of sample on display
- Access port for independent data monitoring or use of equipment, such as shakers or stirrers inside unit
- Internal glass door allows sample viewing without impacting temperature
- Available with a stainless-steel exterior, meets demanding needs in pharmaceutical and clinical laboratories

**Ordering Alerts:** Availability may vary by country.

**Warranty\*:** 2 years (parts and labor)

**Certifications:** cCSAus (120V, 50/60Hz units) and CE (230V, 50/60Hz units)

Cat. No.	Model/Description	Chamber Volume	Shelves Supplied (Max)/Max Load	Chamber Dimensions (W x D x H)	Exterior Dimensions* (W x D x H)	Temp. Uniformity (@37°C)	Temp. Stability (@37°C)	Shipping Weight	Electrical/Plug Type
<b>51028069</b>	IMH60-S, coated	66L (2.3 cu. ft.)	2 (13)/25kg (55 lb.)	368 x 354 x 508mm (14.5 x 13.9 x 20in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	±0.6°C/ ±0.2°C	±0.1°C	45kg (99 lb.)	120V 60Hz; 1390w; 11.6A; Country-specific
<b>51028070</b>	IMH100-S, coated	104L (3.67 cu. ft.)	2 (16)/25kg (55 lb.)	368 x 464 x 608mm (14.5 x 18.3 x 23.9in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	±0.6°C/ ±0.3°C	±0.1°C	56kg (123 lb.)	120V 60Hz; 1390w; 11.6A; Country-specific
<b>51028111</b>	IMH180-S, coated	178L (6.3 cu. ft.)	2 (19)/25kg (55 lb.)	543 x 464 x 708mm (21.4 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	±0.6°C/ ±0.4°C	±0.1°C	70kg (154 lb.)	120V 60Hz; 1390w; 11.6A; Country-specific
<b>51028264</b>	IMH60-S SS stainless steel	66L (2.3 cu. ft.)	2 (13)/25kg (55 lb.)	368 x 354 x 508mm (14.5 x 13.9 x 20in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	±0.6°C/ ±0.2°C	±0.1°C	45kg (99 lb.)	120V 60Hz; 1390w; 11.6A; Country-specific
<b>51028535</b>	IMH100-S SS stainless steel	104L (3.67 cu. ft.)	2 (16)/25kg (55 lb.)	368 x 464 x 608mm (14.5 x 18.3 x 23.9in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	±0.6°C/ ±0.3°C	±0.1°C	56kg (123 lb.)	120V 60Hz; 1390w; 11.6A; Country-specific
<b>51028327</b>	IMH180-S SS stainless steel	178L (6.3 cu. ft.)	2 (19)/25kg (55 lb.)	543 x 464 x 708mm (21.4 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	0.6°C/ ±0.4°C	±0.1°C	70kg (154 lb.)	120V 60Hz; 1390w; 11.6A; Country-specific
<b>51028136</b>	IMH60-S, coated	66L (2.3 cu. ft.)	2 (13)/25kg (55 lb.)	368 x 354 x 508mm (14.5 x 13.9 x 20in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	±0.6°C/ ±0.3°C	±0.1°C	45kg (99 lb.)	230V 50/60Hz; 1390w; 6.1A; Country-specific
<b>51028137</b>	IMH100-S, coated	104L (3.67 cu. ft.)	2 (16)/25kg (55 lb.)	368 x 464 x 608mm (14.5 x 18.3 x 23.9in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	±0.6°C/ ±0.3°C	±0.1°C	56kg (123 lb.)	230V 50/60Hz; 1390w; 6.1A; Country-specific
<b>51028138</b>	IMH180-S, coated	178L (6.3 cu. ft.)	2 (19)/25kg (55 lb.)	543 x 464 x 708mm (21.4 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	±0.6°C/ ±0.3°C	±0.1°C	70kg (154 lb.)	230V 50/60Hz; 1390w; 6.1A; Country-specific
<b>51028541</b>	IMH60-S SS, stainless steel	66L (2.3 cu. ft.)	2 (13)/25kg (55 lb.)	368 x 354 x 508mm (14.5 x 13.9 x 20in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	±0.6°C/ ±0.3°C	±0.1°C	45kg (99 lb.)	230V 50/60Hz; 1390w; 6.1A; Country-specific
<b>51028542</b>	IMH100-S SS, stainless steel	104L (3.67 cu. ft.)	2 (16)/25kg (55 lb.)	368 x 464 x 608mm (14.5 x 18.3 x 23.9in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	±0.6°C/ ±0.3°C	±0.1°C	56kg (123 lb.)	230V 50/60Hz; 1390w; 6.1A; Country-specific
<b>51028543</b>	IMH180-S SS, stainless steel	178L (6.3 cu. ft.)	2 (19)/25kg (55 lb.)	543 x 464 x 708mm (21.4 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	±0.6°C/ ±0.3°C	±0.1°C	70kg (154 lb.)	230V 50/60Hz; 1390w; 6.1A; Country-specific

\* Depth does not include handle/display (65mm / 2.6in.) and distance spacer at rear (80mm / 3.1in.); height includes the feet (35mm / 1.4in.).

NOTE: All figures in tables are typical average values for series devices, based on factory standard following norm Din12880. Please contact us for certification information or IQ/OQ documents.

## Thermo Scientific Heratherm Microbiological Incubators Accessories

Cat. No.	Description	Details
<b>50125605</b>	SS shelf compact incubator	Stainless steel perforated shelf for Compact incubator
<b>50127770</b>	SS shelf IGS60	Stainless steel perforated shelf for General Protocol 60L unit; includes 2 shelf supports
<b>50127771</b>	SS shelf IGS100	Stainless steel perforated shelf for General Protocol 100L unit; includes 2 shelf supports
<b>50127772</b>	SS shelf IGS180	Stainless steel perforated shelf for General Protocol 180L unit; includes 2 shelf supports
<b>50127773</b>	SS shelf IMH60 / IMH60-S	Stainless steel perforated shelf for Advanced Protocol / Advanced Protocol Security 60L unit; includes 2 shelf supports
<b>50127774</b>	SS IMH100 / IMH100-S	Stainless steel perforated shelf for Advanced Protocol / Advanced Protocol Security 100L unit; includes 2 shelf supports
<b>50127777</b>	SS IMH180 / IMH180-S	Stainless steel perforated shelf for Advanced Protocol / Advanced Protocol Security 180L unit; includes 2 shelf supports
<b>50127764</b>	Wire mesh shelf IGS60/ IMH60 / IMH60-S	Wire mesh shelf for all 60L unit; includes 2 shelf supports
<b>50127765</b>	Wire mesh shelf IGS100/ IMH100 / IMH100-S	Wire mesh shelf for all 100L unit; includes 2 shelf supports
<b>50127766</b>	Wire mesh shelf IGS180/ IMH180 / IMH180-S	Wire mesh shelf for all 180L unit; includes 2 shelf supports

## Thermo Scientific Heratherm Incubators: Additional Accessories & Options

Cat. No.	Description	Details
<b>Additional Shelving &amp; Drip Trays</b>		
<b>50128816</b>	Petri Dish Holder (90 mm) 60L units	Shelf with holders for Petri dishes; 90 mm diameter; wire mesh; for all 60L units; includes 2 shelf supports
<b>50128818</b>	Petri Dish Holder (90 mm) 100L units	Shelf with holders for Petri dishes; 90 mm diameter; wire mesh; for all 100L units; includes 2 shelf supports
<b>50128819</b>	Petri Dish Holder (90 mm) 180L units	Shelf with holders for Petri dishes; 90 mm diameter; wire mesh; for all 180L units; includes 2 shelf supports
<b>50128793</b>	Petri Dish Holder (50 mm) 60L units	Shelf with holders for Petri dishes; 50 mm diameter; wire mesh; for all 60L units; includes 2 shelf supports
<b>50128794</b>	Petri Dish Holder (50 mm) 100L units	Shelf with holders for Petri dishes; 50 mm diameter; wire mesh; for all 100L units; includes 2 shelf supports
<b>50128815</b>	Petri Dish Holder (50 mm) 180L units	Shelf with holders for Petri dishes; 50 mm diameter; wire mesh; for all 180L units; includes 2 shelf supports
<b>50128683</b>	Drip Tray 60L units	Stainless steel drip tray for all 60L units; includes 2 shelf supports
<b>50128791</b>	Drip Tray 100L units	Stainless steel drip tray for all 100L units; includes 2 shelf supports
<b>50128792</b>	Drip Tray 180L units	Stainless steel drip tray for all 180L units; includes 2 shelf supports
<b>50128265</b>	Lowenstein kit 150 mm tubes	2 trays for 150mm Lowenstein tubes to place on top of perforated shelf (shelf not supplied); 435 x 155 mm; 20 tubes each tray – usable for 100L models and larger
<b>Support Stands</b>		
<b>50127741</b>	Support stand 60L units	Support stand with casters for 60L units; height of stand including casters: 187mm / 7.4in
<b>50127742</b>	Support stand 100L units	Support stand with casters for 100L units; height of stand including casters: 187mm / 7.4in
<b>50127743</b>	Support stand 180L units	Support stand with casters for 180L units; height of stand including casters: 187mm / 7.4in
<b>Sample Sensor</b>		
<b>50127768</b>	Sample sensor for IMH60-S / IMH100-S / IMH180-S	All Heratherm Advanced Protocol Security incubators
<b>Stacking Kits</b>		
<b>50126665</b>	Stacking kit 60L units	Kit for stacking 60L units; recommended if decon cycle is used on lower unit
<b>50126666</b>	Stacking kit 100L units	Kit for stacking 100L units; recommended if decon cycle is used on lower unit; stacks also smaller unit on 100L unit
<b>50126667</b>	Stacking kit 180L units	Kit for stacking 180L units; recommended if decon cycle is used on lower unit; stacks also smaller unit on 180L unit
<b>Special Sealing</b>		
<b>50130657</b>	Silicone free viton sealing 60L	Silicone free viton door sealing for all 60L units
<b>50130658</b>	Silicone free viton sealing 100L	Silicone free viton door sealing for all 100L units
<b>50130659</b>	Silicone free viton sealing 180L	Silicone free viton door sealing for all 180L units
<b>50134906</b>	Vent gasket 60L	Special sealing for high humidity - for 60L units
<b>50134907</b>	Vent gasket 100L	Special sealing for high humidity - for 100L units
<b>50134908</b>	Vent gasket 180L	Special sealing for high humidity - for 180L units
<b>Fresh Air Filter</b>		
<b>50127567</b>	Fresh air particle filter	Fresh air particle filter for connection to the fresh air vent (intake); for all Advanced Protocol and Advanced Protocol incubators
<b>Factory-Installed Options — Please order in conjunction with desired incubator</b>		
<b>51900996</b>	Heratherm Access port left, small	Additional access port on center of left side of unit; Ø 24 mm for all incubators
<b>51900997</b>	Heratherm Access port left, large	Additional access port on center of left side of unit; Ø 58 mm for all incubators
<b>51900998</b>	Heratherm Access port right, small	Additional access port on center of right side of unit; Ø 24 mm for all incubators
<b>51900999</b>	Heratherm Access port right, large	Additional access port on center of right side of unit; Ø 58 mm for all incubators
<b>51901000</b>	Heratherm Access port top, small	Additional access port on center of top of unit; Ø 24 mm for all incubators
<b>51901001</b>	Heratherm Access port top, large	Additional access port on center of top of unit; Ø 58 mm for all incubators
<b>51900993</b>	Door hinge left side	Door hinge on left side — Available for General Protocol; Advanced Protocol and Advanced Protocol Security units. Coated exterior only, table top units only

## Thermo Scientific Heratherm Microbiological Incubators – Large Capacity

**Designed for high sample volume or large samples**



### General Protocol Incubators

#### Efficient

- Two sizes (400 and 750 L)
- Gravity convection technology with unique airflow – designed for minimal drying out of samples
- Flexible shelf system for optimal use of chamber volume
- Access port for independent data monitoring

#### Safe

- Automatic overtemperature alarm system
- Inner glass door for undisturbed viewing of samples
- Inner chambers made from corrosion-resistant stainless steel (1.4016)
- Protect delicate samples with stable temperature conditions: uniformity of up to  $\pm 0.5$  °C and temperature stability of 0.4 °K at 37 °C

#### Easy

- Large, easy to view, vacuum fluorescent display with push-button simplicity
- Doors can be opened over 180° for easy access and use
- Lockable casters for easy mobility and stability

**Warranty**\*: 2 years (parts and labor)

**Certifications**: CE, CSAus (120V, 208-240V/60Hz models) and CE (230V, 50/60Hz models)

### Advanced Protocol Security Incubators

#### Efficient

- Two sizes (400 and 750 L)
- Mechanical convection technology ensures optimal temperature distribution with improved level of temperature uniformity:  $\pm 0.2$  to 0.3 °C
- Temperature ranges from ambient +5 °C to 105 °C for application flexibility: units can even be used for drying applications

#### Safe

- Unique 140°C decontamination cycle eliminating the need for separate autoclaving or use of toxic decontaminants
- 2-speed fan for application flexibility
- Additional undertemp alarm provides safety even when the temperature deviates below set point
- Alarm notifies operator if door is left open
- Inner chamber made from highly corrosion-resistant stainless steel (AISI304 / 1.4301), suited even for use with aggressive substances

#### Easy

- Timer extends the automation options available to user
- Stainless steel inner chamber with rounded edges for easy cleaning
- Available in stainless steel exterior

## Thermo Scientific Heratherm Microbiological Incubators – Large Capacity

Cat. No.	Model/ Exterior	Chamber Volume L (cuft)	Temperature Range	Temp. Uniformity/ Stability (@37°C)	Chamber Dimensions (D x W x H)	Exterior Dimensions* (D x W x H)	Shelves Supplied/ Max (Max. Load)	Shipping Weight	Electrical, Plug Type
<b>General Protocol Incubators - Gravity Convection</b>									
<b>51029322</b>	IGS400 / coated	405 (14.3)	Ambient +5 °C to 75 °C	± 0.5 °C / ± 0.4 °C	569 x 544 x 1307 mm (22 x 21 x 51 in.)	770 x 778 x 1653mm (30 x 31 x 66in.)	2 / 39 (30kg / 66lb)	145 kg (187 lb)	230V; 50/60Hz; 1200W; 5A; Country specific
<b>51029321</b>	IGS400 / coated	405 (14.3)	Ambient +5 °C to 75 °C	± 0.5 °C / ± 0.4 °C	569 x 544 x 1307 mm (22 x 21 x 51 in.)	770 x 778 x 1653mm (30 x 31 x 66in.)	2 / 39 (30kg / 66lb)	145 kg (187 lb)	120V; 60Hz; 1080W; 9A; NEMA5-15
<b>51029334</b>	IGS750 / coated	747 (26.4)	Ambient +5 °C to 75 °C	± 1.3 °C / ± 0.4 °C	569 x 1004 x 1307 mm (22 x 40 x 51 in.)	770 x 1261 x 1653mm (30 x 50 x 66in.)	2 / 39 (30kg / 66lb)	201 kg (251 lb)	230V; 50/60Hz; 1500W; 6.5A; Country specific
<b>51029333</b>	IGS750 / coated	747 (26.4)	Ambient +5 °C to 75 °C	± 1.3 °C / ± 0.4 °C	569 x 1004 x 1307 mm (22 x 40 x 51 in.)	770 x 1261 x 1653mm (30 x 50 x 66in.)	2 / 39 (30kg / 66lb)	201 kg (251 lb)	120V; 60Hz; 1500W; 12.5A; NEMA5-15
<b>Advanced Protocol Security Incubators - Mechanical Convection</b>									
<b>51029325</b>	IMH400-S / coated	381 (13.4)	Ambient +5 °C to 105 °C	± 0.2 °C / ± 0.2 °C	524 x 544 x 1335 mm (21 x 21 x 53 in.)	770 x 778 x 1653mm (30 x 31 x 66in.)	2 / 39 (30kg / 66lb)	144 kg (186 lb)	230V; 50/60Hz; 1400W; 6A; Country specific
<b>51029323</b>	IMH400-S / coated	381 (13.4)	Ambient +5 °C to 105 °C	± 0.2 °C / ± 0.2 °C	524 x 544 x 1335 mm (21 x 21 x 53 in.)	770 x 778 x 1653mm (30 x 31 x 66in.)	2 / 39 (30kg / 66lb)	144 kg (186 lb)	120V; 60Hz; 1380W; 11.5A; NEMA5-15
<b>51029326</b>	IMH400-S SS / stainless steel	381 (13.4)	Ambient +5 °C to 105 °C	± 0.2 °C / ± 0.2 °C	524 x 544 x 1335 mm (21 x 21 x 53 in.)	770 x 778 x 1653mm (30 x 31 x 66in.)	2 / 39 (30kg / 66lb)	144 kg (186 lb)	230V; 50/60Hz; 1400W; 6A; Country specific
<b>51029324</b>	IMH400-S SS / stainless steel	381 (13.4)	Ambient +5 °C to 105 °C	± 0.2 °C / ± 0.2 °C	524 x 544 x 1335 mm (21 x 21 x 53 in.)	770 x 778 x 1653mm (30 x 31 x 66in.)	2 / 39 (30kg / 66lb)	144 kg (186 lb)	120V; 60Hz; 1380W; 11.5A; NEMA5-15
<b>51029337</b>	IMH750-S / coated	702 (24.8)	Ambient +5 °C to 105 °C	± 0.3 °C / ± 0.2 °C	524 x 1004 x 1335 mm (21 x 40 x 53 in.)	770 x 1261 x 1653mm (30 x 50 x 66in.)	2 / 39 (30kg / 66lb)	205 kg (255 lb)	230V; 50/60Hz; 1600W; 7A; Country specific
<b>51029335</b>	IMH750-S / coated	702 (24.8)	Ambient +5 °C to 105 °C	± 0.3 °C / ± 0.2 °C	524 x 1004 x 1335 mm (21 x 40 x 53 in.)	770 x 1261 x 1653mm (30 x 50 x 66in.)	2 / 39 (30kg / 66lb)	205 kg (255 lb)	120V; 60Hz; 1560W; 13A; NEMA5-15
<b>51029338</b>	IMH750-S SS / stainless steel	702 (24.8)	Ambient +5 °C to 105 °C	± 0.3 °C / ± 0.2 °C	524 x 1004 x 1335 mm (21 x 40 x 53 in.)	770 x 1261 x 1653mm (30 x 50 x 66in.)	2 / 39 (30kg / 66lb)	205 kg (255 lb)	230V; 50/60Hz; 1600W; 7A; Country specific
<b>51029336</b>	IMH750-S SS / stainless steel	702 (24.8)	Ambient +5 °C to 105 °C	± 0.3 °C / ± 0.2 °C	524 x 1004 x 1335 mm (21 x 40 x 53 in.)	770 x 1261 x 1653mm (30 x 50 x 66in.)	2 / 39 (30kg / 66lb)	205 kg (255 lb)	120V; 60Hz; 1560W; 13A; NEMA5-15

\* Depth does not include handle/display (65mm / 2.6in.) and distance spacer at rear (80mm / 3.1in.); height includes the feet (35mm / 1.4in.).

NOTE: All figures in tables are typical average values for series devices, based on factory standard following norm Din12880. Please contact us for certification information or IQ/OQ documents.

### Accessories

Cat. No.	Description
<b>50135241</b>	Perforated stainless steel shelf for Heratherm Advanced Protocol Security incubators IMH400-S and General Protocol incubator IGS400
<b>50135242</b>	Perforated stainless steel shelf for Heratherm Advanced Protocol Security incubators IMH750-S and General Protocol incubator IGS750
<b>50135244</b>	Wire mesh shelf for Heratherm Advanced Protocol oven OMH750 3PH; also for use in Advanced Protocol Security incubator IMH750-S; 984 x 503 mm
<b>50135869</b>	Silicone-free viton sealing for all Heratherm 400L models
<b>50135870</b>	Silicone-free viton sealing for all Heratherm 750L models

## Thermo Scientific Precision High-Performance Incubators

**Mechanical or gravity convection with advanced microprocessor controls ideal for applications requiring excellent temperature distribution or gentle sample heating between 5°C above ambient to 75°C**



- Uniform heating, precise temperature control and fast drying
- Blower circulates heated air in a horizontal airflow pattern for efficient heat distribution with tight temperature tolerances of up to  $\pm 0.5^{\circ}\text{C}$
- Gravity convection offers gentle drying with heat-generated convection to move the air vertically through the chamber to heat samples

### 317L units with Advanced Microprocessor PID Controls

- Sophisticated microprocessor PID controls with easy-to-view digital LED readout
- Temperature is displayed on large, three-character screen; can be easily set from 5°C above ambient to up to 75°C (depending on model) in 0.1°C increments using touch-sensitive arrow keys
- Fixed setpoints on control panel eliminate need for tuning
- Offset feature enables easy calibration

### Built-In Safety

- Built-in safety back-up maintains control at 3°C above setpoint if primary heater control fails
- Visual alarm indicates when temperature exceeds 3°C setpoint

### Robust Construction

- Inner glass door permits viewing of samples without disturbing chamber environment in 317L unit
- Silicone gasket on outer door and 7.6cm (3in.)-thick fiberglass insulation prevents heat loss, for high temperature uniformity
- Circuit breaker protects against power surges
- Durable, enamel-coated steel exterior
- Low-watt density heater elements are designed for long life
- Internal electrical outlet allows operation of a shaker, stirrer or other lab apparatus
- Double-door design

**Warranty\*:** 1 year (parts and labor)

**Certifications:** UL/cUL listed

**PRODUCT ONLY AVAILABLE IN NORTH AMERICA**

Cat. No.	Capacity	Interior Dimensions (D × W × H)	Exterior Dimensions (L × W × H)	Control	Temp. Range	No. of Shelves	Electrical
<b>Gravity Convection</b>							
<b>PR205075G</b>	317L (11.2 cu. ft.)	53 × 94 × 64cm (21 × 37 × 25in.)	64 × 101 × 88cm (25 × 40 × 35in.)	Microprocessor PID	Ambient +5° to 65°C	6 supplied/ 36 max.	120V 60Hz (450w/3.8A)
<b>Mechanical Convection</b>							
<b>PR205075M</b>	317L (11.2 cu. ft.)	53 × 94 × 64cm (21 × 37 × 25in.)	64 × 101 × 88cm (25 × 39.8 × 34.5in.)	Microprocessor PID	Ambient +5° to 75°C	6 supplied/ 36 max.	120V 60Hz (520w/4.3A)

### Accessories

Cat. No.	Description	For Use with
<b>AY2076X1</b>	Shelf Kit	High-Performance Incubator; Double-door 11.2 cu. ft. units

## Thermo Scientific Heratherm Refrigerated Incubators

Energy efficient, precise temperature control, reliable temperature environment



IMP180 and IMP400

- Superior performance with Peltier technology: Energy efficiency without the use of harmful refrigerants
- Temperature range: +5°C to +70°C
- Outstanding temperature uniformity and stability to keep the samples in a safe environment - uniformity as good as  $\pm 0.3^{\circ}\text{C}$  (at +25°C), and stability as tight as  $\pm 0.1^{\circ}\text{C}$
- Energy consumption as low as 80Wh/h (benchtop model) 150Wh/h (floor model) at +20°C
- CFC free/HFC free polyurethane insulation foam for outstanding temperature performance and condensation prevention
- Heated door with intelligent energy control to ensure reduced condensation – even at low temperatures
- Sophisticated timer function with weekly/daily or real-time mode
- Intuitive programmability function for defined temperature ramping, soak/cool and dwell: store up to 10 programs with 10 temperature steps, loop program, and select mode at end of cycle
- Adjustable over-temperature shut-off for protocols that require setting of over temperature for protection – (class 2 according to norm DIN12880)
- Easy-to-use microprocessor control
- PID control with automated fault analysis at start-up to ensure correct control at all times
- PID controls with easy push-button calibration
- Large and clear vacuum fluorescent display for easy viewing
- Flexible shelf system for optimal loading, easy to remove for cleaning, with non-tip protection
- Safe containment with automatic over and under temperature alarm
- Standard access port for data monitoring (large diameter of 42 mm/1.65 in.)
- RS232 interface for data logging
- Stainless steel interior (1.4301/ASTM 304) and rounded corners for easy cleaning

### Specifications

Model	IMP180 (Benchtop/stackable)	IMP400 (Floor Standing)
Chamber Volume	178 L / 6.3 cu. ft.	381 L / 13.5 cu. ft.
Temperature Range	+5 to 70 °C	
Temperature Deviation Over Time (Measured in mid of work space)**	at 20 °C $\leq \pm 0.1$ / at 37 °C $\leq \pm 0.1$	
Spatial Temperature Deviation (Measured with 27 sensors)***	at 20 °C $\leq \pm 0.2$ / at 37 °C $\leq \pm 0.5$	at 20 °C $\leq \pm 0.3$ / at 37 °C $\leq \pm 0.7$
Internal Dimensions (W x H x D)	464 x 708 x 543 mm / 18.3 x 27.9 x 21.4 in.	544 x 1335 x 524 mm / 21.4 x 52.6 x 20.6 in.
External Dimensions (W x H x D)	640 x 955* x 738* mm / 25.2 x 37.6* x 29.1* in.	778 x 1653** x 770** mm / 30.6 x 66** x 30.3** in.
Footprint	0.47m <sup>2</sup> / 5.1ft. <sup>2</sup>	0.56m <sup>2</sup> / 6.0ft. <sup>2</sup>
Shelves Supplied / Max	2 / 9	2 / 17
Number of Shelf Positions	19	39
Shelf Size (W x D)	439 x 505 mm / 17.28 x 19.98 in.	528 x 498 mm / 20.79 x 21.06 in.
Loading Capacity Per Shelf**	25 kg / 55 lbs.	30 kg / 66 lbs.
Loading Capacity of Unit**	75 kg / 165 lbs.	75 kg / 165 lbs.
Weight of Unit	84 kg / 185 lbs.	167 kg / 368 lbs.
Shipping Weight	97 kg / 214 lbs.	216 kg / 476 lbs.
Peltier Modules (units)	1	2
Energy Consumption at 20 °C	90 W	150 W
Access Port Diameter	42 mm / 1.65 in.	
Interior Material	Stainless steel 1.4301/304	
Exterior	Coated sheet metal	

\* \* Depth of handle/display not included in depth (65 mm / 2.6 in.); adjustable feet are included in height (35 mm / 1.4 in.) - required distance to rear wall: 130 mm / 5.1 in

\*\* Depth of handle/display not included in depth (65 mm / 2.6 in.); casters are included in height (108 mm / 4.3 in.) - required distance to rear wall: 150 mm / 5.9 in

\*\*\* All figures in this table are typical average values for series devices, based on factory standard following norm DIN12880. Please contact us for certification information or IQ/OQ documents.

## Ordering information Heratherm Refrigerated Incubators

select the Heratherm refrigerated incubator that best meets your requirements:

	Model IMP180	Model IMP400
Standard unit without electrical outlet, for US and EU with NEMA 5-15 cable and Schuko CEE7/7 cable	51031562	51031565

Please add your electrical configuration:		
Electrical configuration for China	51900900	51900900
Electrical configuration for Great Britain	51900303	51900303
Electrical configuration for Australia	51900449	51900449
Electrical configuration for Denmark	51900481	51900481
Electrical configuration for Italy	51900306	51900306
Electrical configuration for Switzerland	51900300	51900300
Electrical configuration for Japan	51900312	51900312

Models with internal electrical socket:		
Unit with electrical outlet - 120V, 60Hz, US-plug (Nema 5-15)	51031563	51031566
Unit with electrical outlet - 230V, 50/60Hz, Schuko plug, (EU standard)	51031564	51031567
Unit with electrical outlet - 230V, 50/60Hz, UK plug	51031564 + 51900303	51031567 + 51900303

### Factory installed options

	Model IMP180	Model IMP400
Door hinge left	51900993	51901213
Stainless steel exterior	51900992	51901212
Heratherm Access port left, small - 22mm/0.87in.	51900996	51900996
Heratherm Access port left, large - 52mm/2.05in.	51900997	51900997
Heratherm Access port right, small - 22mm/0.87in.	51900998	51900998
Heratherm Access port right, large - 52mm/2.05in.	51900999	51900999
Heratherm Access port top, small - 22mm/0.87in.	51901000	51901000
Heratherm Access port top, large - 52mm/2.05in.	51901001	51901001

### Customer installed accessories

Perforated stainless steel shelf for IMP180	50127777	Includes 2 shelf supports, 439 x 551 mm
Perforated stainless steel shelf for IMP400	50135241	Includes 2 shelf supports, 528 x 498 mm
Wire mesh shelf for IMP180	50127766	Includes 2 shelf supports, 448 x 511 mm
Wire mesh shelf for IMP400	50135243	Includes 2 shelf supports, 528 x 503 mm
Petri Dish holder (90 mm) IMP180	50128819	Shelf with holders for Petri dishes; ø 90mm; stainless steel; for all 180 l incubators; incl. 2 shelf supports; 16 stacks; 77 mm height
Petri Dish holder (50 mm) for IMP180	50128815	Shelf with holders for Petri dishes; ø 50mm; stainless steel; for all 180 l incubators; incl. 2 shelf supports; 36 stacks; 77 mm height
Drip tray for IMP180	50128792	Includes 2 shelf supports, 405 x 500 x 20 mm drip space
Stacking kit for IMP180	50126667	For stacking oven or 60L/100L on IMP180
Support stand with casters for IMP180	50127743	Height including casters: 187mm
Fresh air particle filter for IMP180 and IMP400	50127567	Fresh air particle filter for connection to port
Silicone free viton gasket for IMP180	50130659	For silicone-free applications
Silicone free viton gasket for IMP400	50135869	For silicone-free applications
Vent gasket for IMP180	50134908	For reduced condensation in applications with higher humidity
Vent gasket for IMP400	50152305	For reduced condensation in applications with higher humidity

## Thermo Scientific Precision Refrigerated Incubators

Ideal for applications that require temperatures ranging from -10°C to +60°C with excellent stability



**Warranty\***: 2 year (parts and labor)  
**Certifications**: 115V units are cCSAus listed

**PRODUCT NOT AVAILABLE IN EUROPE**

### Temperature Uniformity

- Microprocessor control with easy-to-read display shows actual temperature within 0.1°C
- Push-button controls for temperature setpoint selection
- Forced-air circulation delivers excellent temperature stability
- CFC-free, foamed polyurethane insulation prevents heat loss
- RTD temperature probe and protected setpoint mode prevent accidental temperature change
- Door key lock protects samples from unauthorized access

### Efficient Design

- Easy-to-clean, corrosion-resistant construction
- Compressor relay conserves energy

### 173L (6.1 cu. ft.) Unit

- Economical undercounter design
- High/low safety thermostat backups
- Three cooling modes simplify operation: high precision with cooling; high precision without cooling; and frost-free with variable cooling
- Four adjustable leveling feet for stable setup

- 2A outlet easily supports apparatus inside the unit (115V model only)

### 566L (20Cu. ft.) Unit

- Ideal for BOD applications and temperature settings at or below ambient
- Holds over 300 BOD bottles (300mL)
- Temperature setpoint selection with high- and low-temperature protection and simple calibration
- Available with dual lamp fluorescent lighting for plant growth studies and day/night cycles, programmable lighting conditions (see next page)
- Energy efficient design, cooling can be switched off for temperatures above ambient - energy consumption as low as 0.1kW at 37 °C\*
- Safety relay and alarm LED alert to over/undertemperature conditions, see next page
- Recorder jacks for data logging; RS232 connection available on option (Cat. No. of optional Kit: 3166245)
- Standard access port for feeding probes and apparatus cord in/out of unit

\* Based on internal testing

Cat. No.	Capacity	Shelves (50 lb. weight limit per shelf)	Interior Dimensions (D x W x H)	Exterior Dimensions (D x W x H)	Uniformity @37 °C/20 °C	Temp. Range	Electrical
<b>BOD models</b>							
<b>PR205745R</b>	173L (6.1 cu. ft.)	2 supplied/4 max	520 x 520 x 700mm (20.5 x 20.5 x 28in.)	622 x 610 x 876mm (24.5 x 24 x 34.5in.)	± 0.6/1.0 °C*	-10° to +60 °C	115V 60Hz (9.5A), NEMA 5-15 plug
<b>PR205740R</b>	173L (6.1 cu. ft.)	2 supplied/4 max	520 x 520 x 700mm (20.5 x 20.5 x 28in.)	622 x 610 x 876mm (24.5 x 24 x 34.5in.)	± 0.6/1.0 °C*	-10° to +60 °C	230V 50Hz (5.8A), NEMA 6-15P plug
<b>PR205740RCN</b>	173L (6.1 cu. ft.)	2 supplied/4 max	520 x 520 x 700mm (20.5 x 20.5 x 28in.)	622 x 610 x 876mm (24.5 x 24 x 34.5in.)	± 0.6/1.0 °C*	-10° to +60 °C	230V 50Hz (5.8A), China plug
<b>PR505755R</b>	566L (20.0 cu. ft.)	4 supplied/6 max	508 x 673 x 1448mm (20 x 26.5 x 57in.)	787 x 864 x 1956mm (31 x 34 x 77in.)	± 0.5/0.9 °C**	-10° to +50 °C	120V, 60Hz (6.2A), NEMA 5-15P plug
<b>PR505750R</b>	566L (20.0 cu. ft.)	4 supplied/6 max	508 x 673 x 1448mm (20 x 26.5 x 57in.)	787 x 864 x 1956mm (31 x 34 x 77in.)	± 0.5/0.9 °C**	-10° to +50 °C	230V, 50/60Hz (3.1A), NEMA 6-15P plug
<b>PR505750RCN</b>	566L (20.0 cu. ft.)	4 supplied/6 max	508 x 673 x 1448mm (20 x 26.5 x 57in.)	787 x 864 x 1956mm (31 x 34 x 77in.)	± 0.5/0.9 °C**	-10° to +50 °C	230V, 50/60Hz (3.1A), China plug

\* Performance values are based on 10 point measurements

\*\* Performance values are based on 27 point measurements (DIN 12880)

\*\*\* Lights switched on

### Additional shelving and accessory options

Cat. No.	Description	Dimensions
<b>107384</b>	Shelf for 173L units	52 x 44cm (20.5 x 17.5 in.)
<b>GT3185275</b>	Shelf for 566L / 504L unit	64 x 42cm (25.3 x 16.6 in.)
<b>3173710</b>	Glass Thermometers	
<b>3166245</b>	RS232 Interface Kit	
<b>3166207</b>	Digital Chart Recorder	
<b>3174255</b>	Chart Paper (100 sheets)	

## Thermo Scientific Refrigerated Incubators

### A broad temperature range for your applications



Models RI150 and RI250

- Broad 4 to 60 °C temperature range for applications that require high or low temperature levels
- Adjustable over and under temperature alarm alerts operator of unexpected temperature deviations
- Single-setpoint microprocessor control for precise temperature setting
- Timer function for automatic start or shut down of unit (0 to 99:59 hours:minutes)
- Automatic defrost for uninterrupted longterm applications below ambient
- Overtemperature cut-out and fan motor overheating protection for additional safety
- Access port (Ø 50 mm) for inserting monitoring probes or cables for use of electrical devices – easy access on right side of unit
- RS232 data interface for temperature monitoring (no software included)
- Large unit with lockable casters for easy set-up and re-location

**Ordering Alerts:** Not available in North America  
**Warranty\*:** 2 years (parts and labor)  
**Certifications:** CE

	Model RI-150	Model RI-250
Order code for unit with following cables: EU CEE7/7 (Schuko), UK BS1363/A, Australia AS 3112	<b>RI-150EU</b>	<b>RI-250EU</b>
Order code for unit with China GB 2099 cable	<b>RI-150CN</b>	<b>RI-250CN</b>

### Specifications

Model	RI-150 (Table top)	RI-250 (Floor Standing)
<b>Chamber Volume</b>	150 L / 5.3 cu. ft.	250 L / 8.8 cu. ft.
<b>Temperature Range</b>	+4 to 60 °C	
<b>Temperature Deviation Over Time*</b>	at 20 °C ≤ ± 0.3 at 37 °C ≤ ± 0.3	
<b>Spatial Temperature Deviation*</b>	at 20 °C ≤ ± 0.8 at 37 °C ≤ ± 0.7	at 20 °C ≤ ± 0.8 at 37 °C ≤ ± 1.0
<b>Internal Dimensions (W x H x D)</b>	550 x 450 x 615 mm 21.6 x 17.7 x 24.2 in.	550 x 450 x 1015 mm 21.6 x 17.7 x 40.0 in.
<b>External Dimensions (W x H x D)**</b>	652 x 605 x 1050** mm 25.7 x 23.8 x 41.3** in.	652 x 605 x 1450** mm 25.7 x 23.8 x 57.1** in.
<b>Footprint</b>	0.39m <sup>2</sup> / 4.2ft. <sup>2</sup>	
<b>Shelves Supplied / Max</b>	2 / 4	3 / 5
<b>Shelf Size (W x D)</b>	545 x 445 mm / 21.46 x 17.52 in.	
<b>Loading Capacity Per Shelf</b>	15 kg / 33 lbs.	
<b>Weight of Unit</b>	95 kg / 209 lbs.	115 kg / 254 lbs.
<b>Shipping Weight</b>	115 kg / 254 lbs.	135 kg / 298 lbs.
<b>Electrical</b>	230 V / 50 Hz, China Plug	
<b>Rated Power / Max. Current</b>	90 W / 3.9 A	

\* Based on measurement according to DIN12880, at ambient temperature of 22 °C ± 3 °C

\*\* Height includes the height of feet/casters

### Shelving

Cat. No.	Description	Dimensions	Shipping Weight	For Use With
<b>RISHELF</b>	Perforated stainless steel shelf (white, powder coated) with 4 shelf holders	545 x 445 mm 21.46 x 17.52	2 kg / 4 lbs	RI-150EU, RI-150CN, RI-250EU, RI-250CN

## Thermo Scientific Peltier Low Temperature Incubators

Ideal for *Drosophila* research or applications requiring temperature above and/or below ambient



Warranty: 2 years parts, 1 year labor

PRODUCT NOT AVAILABLE IN EUROPE

### Specifications

- Innovative thermoelectric cooling technology eliminates the need for a refrigerated compressor. Units consume less power than conventional models while also reducing laboratory ambient temperatures and air conditioning loads
- Thermo Scientific Peltier cooled incubators operate within the temperature range preferred by fruit flies
- Programmable Watlow® controller allows for 40-step ramp and soak profiles, or four files with 10 steps per file
- Capable of programming day/night cycles in models with LED lights
- The lack of compressor coils eliminates the concerns of corrosion from insect waste
- Excellent temperature uniformity allows for effective space utilization
- Peltier technology excludes the need for compressor coils so corrosion from fly secretions is no longer a concern
- Meets American Public Health Association (APHA) specifications for biochemical oxygen demand (BOD)
- Easy to clean and corrosion resistant painted stainless steel interiors.
- All models include an RS 485 output as well as an independent over-temperature thermostat and over-temperature alarm
- Heavy-duty shelves have a 75 lb. capacity
- TUV certification
- Access port standard



Cat. No.	3915FL	3990FL	3915LT	3990LT
<b>Description</b>	<i>Drosophila</i> incubator with LED lights	<i>Drosophila</i> incubator with LED lights	Low temperature incubator	Low temperature incubator
<b>Capacity</b>	6.5 Cu.Ft. (185L)	19.5 Cu.Ft. (552L)	6.5 Cu.Ft. (185L)	19.5 Cu.Ft. (552L)
<b>Interior Dimensions W x D x H in. (cm)</b>	25.6 x 24.1 x 18.5 (64.7 x 60.9 x 46.9)	25.6 x 24.1 x 54.8 (64.7 x 60.9 x 138.4)	25.6 x 24.1 x 18.5 (64.7 x 60.9 x 46.9)	25.6 x 24.1 x 54.8 (64.7 x 60.9 x 138.4)
<b>Exterior Dimensions W x D x H in. (cm)</b>	31.8 x 32.3 x 33.5 (76.2 x 80.1 x 85.1)	31.8 x 32.3 x 69.6 (76.2 x 80.1 x 176.6)	31.8 x 32.3 x 33.5 (76.2 x 80.1 x 85.1)	31.8 x 32.3 x 69.6 (76.2 x 80.1 x 176.6)
<b>Temperature Range</b>	15°C to 40°C			
<b>Temperature Uniformity (unit@15°)</b>	+/-0.55°C (at 15-28°C ambient, 50%RH)			
<b>Temperature Uniformity (unit@22°)</b>	+/-0.64°C (at 15-35°C ambient, 50%RH)			
<b>Temperature Uniformity (unit@40°)</b>	+/-1.0°C (at 18-40°C ambient, 50%RH)			
<b>Electrical Specifications</b>	100-120V, 50/60Hz, 360W (3.0A)			
<b>Temperature Control</b>	0.1°C Display increments			
<b>RS 485 interface</b>	Yes			
<b>Shelving</b>	2 Supplied	5 Supplied, Adjustable, Bottom shelf slide; max. 16	2 Supplied	5 Supplied, Adjustable, Bottom shelf slide, max. 16
<b>Shelf Capacity</b>	75 lbs/34 kg shelf. 150 lbs/68 kg total	75 lbs/34 kg shelf. 375 lbs/170 kg total	75 lbs/34 kg shelf. 150 lbs/68 kg total	75 lbs/34 kg shelf. 375 lbs/170 kg total
<b>Weight (lbs/kg)</b>	259/118	380/172	259/118	380/172
<b>US style plug</b>	Yes			

### Thermo Scientific Accessories\* for Peltier Low Temperature Incubators

Cat. No.	Description
<b>3900BR</b>	Sliding shelf brackets for <i>drosophila</i> and low temperature incubators
<b>3900FSH</b>	Fixed shelf for <i>drosophila</i> and low temperature incubators
<b>3900SSH</b>	Sliding shelf for <i>drosophila</i> and low temperature incubators

\* Stacking kit (Cat. No. 3915SK) is available for 6.5 Cu.Ft. models

## Thermo Scientific Precision Plant-Growth Incubators

**Broad temperature range ideal for applications requiring night/day simulation, precise temperature control and uniformity over a broad temperature range**



- Programmable heating and lighting cycles: 7-day program with 2 light cycles per day
- Easy-to-read LED display shows actual temperature within 0.1°C
- Push-button microprocessor controls feature temperature setpoint selection
- Forced-air circulation delivers excellent temperature stability
- RTD temperature probe and protected setpoint mode prevent accidental temperature change
- Easy-to-clean, corrosion-resistant construction
- CFC-free, foamed polyurethane insulation prevents heat loss
- Door key lock protects samples from unauthorized access
- 1.2 in. access port
- Light information:
  - Color: cool white supreme
  - Lumens (brightness) per fluorescent lamp: 2600 Lm
  - Illumination level (measured at chamber center point at 20°C): 3678 Lux/342 foot-candles

**Warranty:** 1 year (parts and labor)  
**Certifications:** 115V unit is cCSAus listed

**PRODUCT NOT AVAILABLE IN EUROPE**

Cat. No.	Capacity	Shelves	Interior Dimensions (D x W x H)	Exterior Dimensions (D x W x H)	Uniformity @37 °C/20 °C	Temp. Range	Electrical
<b>Plant growth models with light at 20 °C</b>							
<b>PR505755L</b>	504L (17.8 cu. ft.)	4 supplied/6 max	508 x 673 x 1448mm (20 x 26.5 x 57in.)	787 x 864 x 1956mm (31 x 34 x 77in.)	± 1.8 °C*** (0.9 °C w/o light)	-10° to +50 °C +10° to +50 °C***	120V, 60Hz (6.8A), NEMA 5-15P plug
<b>PR505750L</b>	504L (17.8 cu. ft.)	4 supplied/6 max	508 x 673 x 1448mm (20 x 26.5 x 57in.)	787 x 864 x 1956mm (31 x 34 x 77in.)	± 1.8 °C*** (0.9 °C w/o light)	-10° to +50 °C +10° to +50 °C***	230V, 60Hz (3.4A), NEMA 6-15P plug <b>Note: cannot be used in 50Hz circuit</b>

\* Performance values are based on 10 point measurements

\*\* Performance values are based on 27 point measurements (DIN 12880)

\*\*\* Lights switched on

### Additional Shelving Options

Cat. No.	Description	Dimensions
<b>107384</b>	Shelf for 173L units	52 x 44cm (20.5 x 17.5 in.)
<b>GT3185275</b>	Shelf for 566L / 504L unit	64 x 42cm (25.3 x 16.6 in.)

## Thermo Scientific Educational Countertop Plant Growth Chamber

**Ideal for growing plants and designed to accommodate plant, animal culture studies in the classroom setting**



- Automatic 24-hour programming with timer
- Sliding glass doors for easy access and viewing
- Four fluorescent and three incandescent lamps for various lighting levels (customer supplied)
- Two interior electrical outlets to easily accommodate other electrical equipment
- On/Off indicator lights for main power switch, lamp switch, heater output, fan, thermostat and 24 timer/programmer switches
- Front control panel can be removed for maintenance without disturbing experiments in progress
- Model 846 series combine large viewing area, simplified temperature controls and an economical price
- Black-out panel included

**Warranty:** 1 year (parts);  
90 days (labor)

**PRODUCT NOT AVAILABLE IN EUROPE**

Cat. No.	Chamber Volume	Shelf Area	Chamber Dimensions (W x D x H)	Exterior Dimensions (W x D x H)	Shipping Weight	Electrical
<b>846</b>	14.2 cu. ft. (396L)	0.20 sq m (2.2 sq. ft.)	127 x 43 x 74cm (50 x 17 x 29in.)	132 x 47x 97cm (52 x 18.5 x 38in.)	107 kg (236 lb.)	120V, 60 Hz, 800W

### Accessories

Cat. No.	Description
<b>846-8</b>	Chamber shelf (H x D) 16.5 x 125.7cm (6.5 x 49.5in.)
<b>846-12</b>	Mobile chamber stand 134.6 x 81.3 x 59.7cm (53 x 32 x 23.5in.)
<b>846-13</b>	Planting Tray (pkg. of 4)

## Thermo Scientific Shake 'n' Stack Hybridization Ovens

**Stackable, space-saving design and excellent uniformity are ideal for molecular biology labs**



- Each unit capable of operating either rotisserie or shaking platform for additional functionality
- One compact triple-oven tower can be set up for three distinct functions at different temperatures
- Digital LED display and controls
- Capacity for 10 medium bottles
- Accurate temperature control for improved experimental results
- Excellent temperature uniformity for reproducible results with low backgrounds
- Multiple rotisserie fittings for flexible choice of consumable
- Interchangeable rotisserie/shaking platform (max. load of 1kg/2.2 lb.) for hybridization and washing procedures
- Variable speed settings for protocol optimization
- Up/down shaking motion

**Includes:** Models 6243, 6242 include 10-bottle capacity rotisserie, adjustable feet, drip tray, manual; Models 6241, 6240 includes Shaker platform, 10-bottle capacity rotisserie, adjustable feet, drip tray, manual  
**Warranty:** 1 year (parts and labor)

Cat. No.	Interior D x W x H (in.)	Platform L x W (in.)	Exterior L x W x H (in.)	Temperature Range	Temperature Uniformity	Rotisserie Speed Range	Electrical
<b>6243</b>	24 × 35 × 24.5cm (9.5 × 13.8 × 9.7in.)	25 × 18cm (9.8 × 7in.)	38 × 42.5 × 43.5cm (15 × 17.1 × 16.7in.)	35° to 85°C	±0.25°C within bottle	5 to 15rpm	110V 250w 50/60 Hz
<b>6242</b>	24 × 35 × 24.5cm (9.5 × 13.8 × 9.7in.)	25 × 18cm (9.8 × 7in.)	38 × 42.5 × 43.5cm (15 × 17.1 × 16.7in.)	35° to 85°C	±0.25°C within bottle	5 to 15rpm	220V 250w 50/60 Hz
<b>6241</b>	24 × 35 × 24.5cm (9.5 × 13.8 × 9.7in.)	25 × 18cm (9.8 × 7in.)	38 × 42.5 × 43.5cm (15 × 17.1 × 16.7in.)	35° to 85°C	±0.25°C within bottle	5 to 15rpm	110V 250w 50/60 Hz
<b>6240</b>	24 × 35 × 24.5cm (9.5 × 13.8 × 9.7in.)	25 × 18cm (9.8 × 7in.)	38 × 42.5 × 43.5cm (15 × 17.1 × 16.7in.)	35° to 85°C	±0.25°C within bottle	5 to 15rpm	220V 250w 50/60 Hz

Models 6242 and 6240 are CE certified

## Thermo Scientific Accessories for Shake 'n' Stack Hybridization Ovens

Cat. No.	Description	For Use with
<b>Rotisseries</b>		
<b>222032</b>	Delrin® Plastic Rotisserie	Shake 'n' Stack ovens
<b>222033</b>	Stainless-steel Rotisserie	Shake 'n' Stack ovens
<b>222041</b>	Stainless-steel Rotisserie	Shake 'n' Stack ovens
<b>222042</b>	Delrin Plastic Rotisserie	Shake 'n' Stack, Maxi 14 ovens
<b>222043</b>	Delrin Plastic Rotisserie	Shake 'n' Stack, Maxi 14 ovens
<b>222044</b>	Delrin Plastic Rotisserie	Shake 'n' Stack, Maxi 14 ovens
<b>Other Accessories</b>		
<b>222051</b>	Drip Tray	Shake 'n' Stack ovens
<b>222000</b>	Shaking Platform	Shake 'n' Stack ovens

# Thermo Scientific Hybridization Bottle & Mesh System

Manufactured using thick walled borosilicate glass to ensure safe and easy handling



**Bottle gripper** for safe and easy handling of bottles. Additional grippers can be purchased separately (Cat. No. 222055 to -057)

- Improves the flow of probe solution around and through membranes for optimal results
- Designed to exacting safety standards, these bottles have screw caps containing flat PTFE seals to ensure leak-resistant hybridization
- Full range of bottles accommodates every size of membrane
- Enables multiple blots to be processed simultaneously in one 35mm diameter bottle without direct overlap

Cat. No.	Description	Dimensions
<b>Bottles and Rack</b>		
<b>110103</b>	Bottle Rack	For up to six 35mm bottles
<b>110113</b>	Bottle; Large	300 × 35mm
<b>110115</b>	Bottle; Medium	250 × 35mm
<b>110116</b>	Bottle; Small	150 × 35mm
<b>110094</b>	Bottle; Extra large	300 × 70mm
<b>Bottle Caps and O-Rings</b>		
<b>110108</b>	Bottle cap and seal for small, medium and large bottles	35mm
<b>110105</b>	Bottle cap and seal for extra large bottles	70mm
<b>110109</b>	Washer seal; For small, medium and large bottle caps	35mm
<b>110107</b>	Washer seal; For extra large bottle caps	70mm
<b>Bottle Grippers</b>		
<b>222055</b>	Bottle gripper; For extra large 70mm bottles	Length: 300mm
<b>222056</b>	Bottle gripper; For large and medium 35mm bottles	Length: 300mm
<b>222057</b>	Bottle gripper; For small 35mm bottles	Length: 150mm
<b>Oven Mesh</b>		
<b>222054</b>	Roll of mesh	5m × 25cm
<b>222052</b>	Oven mesh sheets; Small; Pack of 5	10 × 15cm
<b>222053</b>	Oven mesh sheets; Large; Pack of 5	23 × 23cm
<b>222058</b>	Oven mesh sheets; Small; Pack of 20	10 × 15cm
<b>222059</b>	Oven mesh sheets; Large; Pack of 20	23 × 23cm
<b>Accessory Pack</b>		
<b>222060</b>	Includes two medium bottles, one bottle gripper, one mesh and hybridization guide	250 × 35mm

Алматы (7273)495-231  
 Ангартск (3955)60-70-56  
 Архангельск (8182)63-90-72  
 Астрахань (8512)99-46-04  
 Барнаул (3852)73-04-60  
 Белгород (4722)40-23-64  
 Благоевченск (4162)22-76-07  
 Брянск (4832)59-03-52  
 Владивосток (423)249-28-31  
 Владикавказ (8672)28-90-48  
 Владимир (4922)49-43-18  
 Волгоград (844)278-03-48  
 Вологда (8172)26-41-59  
 Воронеж (473)204-51-73  
 Екатеринбург (343)384-55-89

Иваново (4932)77-34-06  
 Ижевск (3412)26-03-58  
 Иркутск (395)279-98-46  
 Казань (843)206-01-48  
 Калининград (4012)72-03-81  
 Калуга (4842)92-23-67  
 Кемерово (3842)65-04-62  
 Киров (8332)68-02-04  
 Коломна (4966)23-41-49  
 Кострома (4942)77-07-48  
 Краснодар (861)203-40-90  
 Красноярск (391)204-63-61  
 Курск (4712)77-13-04  
 Курган (3522)50-90-47  
 Липецк (4742)52-20-81

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Магнитогорск (3519)55-03-13  
 Москва (495)268-04-70  
 Мурманск (8152)59-64-93  
 Набережные Челны (8552)20-53-41  
 Нижний Новгород (831)429-08-12  
 Новокузнецк (3843)20-46-81  
 Ноябрьск (3496)41-32-12  
 Новосибирск (383)227-86-73  
 Омск (3812)21-46-40  
 Орел (4862)44-53-42  
 Оренбург (3532)37-68-04  
 Пенза (8412)22-31-16  
 Петрозаводск (8142)55-98-37  
 Псков (8112)59-10-37  
 Пермь (342)205-81-47

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Ростов-на-Дону (863)308-18-15  
 Рязань (4912)46-61-64  
 Самара (846)206-03-16  
 Санкт-Петербург (812)309-46-40  
 Саратов (845)249-38-78  
 Севастополь (8692)22-31-93  
 Саранск (8342)22-96-24  
 Симферополь (3652)67-13-56  
 Смоленск (4812)29-41-54  
 Сочи (862)225-72-31  
 Ставрополь (8652)20-65-13  
 Сургут (3462)77-98-35  
 Сыктывкар (8212)25-95-17  
 Тамбов (4752)50-40-97  
 Тверь (4822)63-31-35

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Тольятти (8482)63-91-07  
 Томск (3822)98-41-53  
 Тула (4872)33-79-87  
 Тюмень (3452)66-21-18  
 Ульяновск (8422)24-23-59  
 Улан-Удэ (3012)59-97-51  
 Уфа (347)229-48-12  
 Хабаровск (4212)92-98-04  
 Чебоксары (8352)28-53-07  
 Челябинск (351)202-03-61  
 Череповец (8202)49-02-64  
 Чита (3022)38-34-83  
 Якутск (4112)23-90-97  
 Ярославль (4852)69-52-93