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Summer Edition 2017

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**30% off**

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## Ricca

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on all Karl Fischer Reagents (HydroSpec™) and Certified Reference Material (VeriSpec™)

*See page 19*

## Corning

**2 Great Offers!**

Buy \$500 worth of Hot Plates or Stirrers and receive 2 cases of Select Pyrex Reusable Glassware **FREE**

*and*

Buy \$500 worth of PYREX, PYREXPLUS, or PYREX Reusable Glassware Products and receive select Corning Equipment **FREE**

*See page 4*

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for more  
great deals!**

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Scientific**

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— How Can We Help?

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## WELCOME!

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To help science create a better world by providing quality products with personal, timely and efficient service

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**Special offers and pricing are valid through September 30, 2017,  
unless otherwise noted.**

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# PLAS LABS

## Glove Boxes

PLAS LABS offers a variety of glove boxes for isolation and containment research

1223H81, Hypoxia Chamber



### CONTROLLED ATMOSPHERE

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Hypoxia Chambers  
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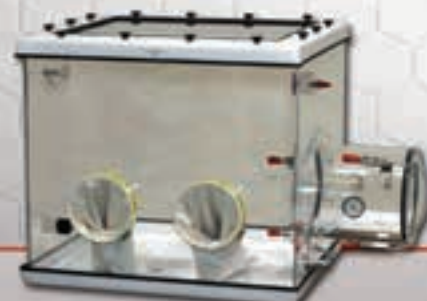
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### HEPA FILTERS ISOLATORS

Powder Handling Isolators  
Double HEPA Filtered Isolators  
Single HEPA Filtered Isolators  
Anti-Static Ionizers

1231L18, Compact Glove Box



### BASIC COMPACT GLOVE BOXES

Analytical Balance Chambers  
"Compact" Glove Boxes  
"Basic" Glove Boxes  
Custom Glove Boxes  
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# Dispensette® S

## Buy 3, Get 1 FREE!

Buy 3 Dispensette® S dispensers, get one of equal or lesser value for FREE!



**BRANDTECH®**  
SCIENTIFIC, INC.



**Free Dispensette® S  
Bottletop Dispenser!**

| Recirculation Valve    |            |            | Recirculation Valve |            |
|------------------------|------------|------------|---------------------|------------|
| No                     | Yes        |            | No                  | Yes        |
| Volume mL              | Thomas No. | Thomas No. | Thomas No.          | Thomas No. |
| Dispensette® S Digital |            |            | Organic Digital     |            |
| 0.1-1                  | 1183C55    | 1183C49    | 1183C55             | 1183C49    |
| 0.2-2                  | 1183C56    | 1183C50    | 1183C56             | 1183C50    |
| 0.5-5                  | 1183C57    | 1183C51    | 1183C57             | 1183C51    |
| 1-10                   | 1183C58    | 1183C52    | 1183C58             | 1183C52    |
| 2.5-25                 | 1183C59    | 1183C53    | 1183C59             | 1183C53    |
| 5-50                   | 1183C60    | 1183C54    | 1183C60             | 1183C54    |
| Dispensette® S Analog  |            |            | Organic Analog      |            |
| 0.1-1                  | 1183C68    | 1183C61    | 1183C68             | 1183C61    |
| 0.2-2                  | 1183C69    | 1183C62    | 1183C69             | 1183C62    |
| 0.5-5                  | 1183C70    | 1183C63    | 1183C70             | 1183C63    |
| 1-10                   | 1183C71    | 1183C64    | 1183C71             | 1183C64    |
| 2.5-25                 | 1183C72    | 1183C65    | 1183C72             | 1183C65    |
| 5-50                   | 1183C73    | 1183C66    | 1183C73             | 1183C66    |
| 10-100                 | 1183C74    | 1183C67    | 1183C74             | 1183C67    |
| Dispensette® S Fixed   |            |            | Organic Fixed       |            |
| 1                      | 1183C79    | 1183C75    | 1183C79             | 1183C75    |
| 2                      | 1183C80    | 1183C76    | 1183C80             | 1183C76    |
| 5                      | 1183C81    | 1183C77    | 1183C81             | 1183C77    |
| 10                     | 1183C82    | 1183C78    | 1183C82             | 1183C78    |

For more information and to download redemption form, visit: [thomassci.com/deals](http://thomassci.com/deals)

## Two Special Offers on Corning® Equipment and PYREX®, PYREXPLUS®, or PYREX VISTA™ Reusable Glassware Products

CORNING



### OFFER 1: Buy \$500\* of Hot Plates or Stirrers (listed below):

| Thomas No. | Description  |
|------------|--|
| 1233W82    | Corning PC-400D hot plate with digital display (5" x 7" top) |
| 5983C27    | Corning PC-200 analog hot plate (4" x 5" top)                |
| 5983C03    | Corning Scholar™ PC-170 hot plate (5" x 5" top)              |
| 1233W83    | Corning PC-410D stirrer with digital display (5" x 7" top)   |
| 8613H80    | Corning PC-210 analog stirrer (4" x 5" top)                  |
| 8613G30    | Corning Scholar PC-171 magnetic stirrer (5" x 5" top)        |

### ... and Receive 2 Cases of Select PYREX Reusable Glassware FREE (choose any 2):

#### PYREX Beakers

| Thomas No. | Description         |
|------------|---------------------|
| 1531H37    | 10 mL               |
| 1531H46    | 20 mL               |
| 1531H56    | 30 mL               |
| 1531H66    | 50 mL               |
| 1531H76    | 100 mL              |
| 1531H86    | 150 mL              |
| 1531J11    | 250 mL double scale |
| 1531J21    | 400 mL double scale |
| 1531H76    | 600 mL double scale |
| 1531H86    | 1L double scale     |

#### PYREX Erlenmeyer Flasks

| Thomas No. | Description |
|------------|-------------|
| 4303G17    | 25 mL       |
| 4303G23    | 50 mL       |
| 4303G29    | 125 mL      |
| 4303G41    | 250 mL      |
| 4303G53    | 500 mL      |
| 4303G65    | 1L          |

#### PYREX Pipets

| Thomas No. | Description |
|------------|-------------|
| 7406E11    | 1 mL        |
| 7406E17    | 2 mL        |
| 7406E37    | 5 mL        |
| 7406E67    | 10 mL       |

\* OFFER 1 products must be made on a single Purchase Order and excludes taxes and shipping costs.

### OFFER 2: Buy \$500\*\* worth of any PYREX, PYREXPLUS, or PYREX VISTA Reusable Glassware Products...

### ...and Receive Select Corning Equipment FREE (listed below):

#### Choose 1 of these:

| Thomas No. | Description  |
|------------|--|
| 1233W82    | Corning PC-400D hot plate with digital display (5" x 7" top) |
| 5983C27    | Corning PC-200 analog hot plate (4" x 5" top)                |
| 1233W83    | Corning PC-410D stirrer with digital display (5" x 7" top)   |
| 8613H80    | Corning PC-210 analog stirrer (4" x 5" top)                  |

#### Or both of these:

| Thomas No. | Description   |
|------------|---|
| 5983C03    | Corning Scholar™ PC-170 hot plate (5" x 5" top)       |
| 8613G30    | Corning Scholar PC-171 magnetic stirrer (5" x 5" top) |

\*\* OFFER 2 products must be made on a single Purchase Order and excludes taxes and shipping costs.

### Both offers can be redeemed once per lab.

For more information and to download redemption form, visit [thomassci.com/CLS](http://thomassci.com/CLS)

CORNING

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designed for scientists

## SQUARETOP C-MAG SERIES

Hotplates, magnetic stirrers and hotplate stirrers  
available through Thomas Scientific

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C-MAG MS 4, 7, 10

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Learn more about the SQUARETOP C-MAG SERIES and their applications  
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## SevenCompact pH and Conductivity Meters

### Intuitive and Versatile

SevenCompact pH and Conductivity meters from METTLER TOLEDO combine precise measurement technologies with flexibility, an innovative design, and ease-of-use.

#### The Benefits of Choosing SevenCompact

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- Maximized productivity through intuitive operation
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**METTLER TOLEDO**

## The wrong way to check samples.

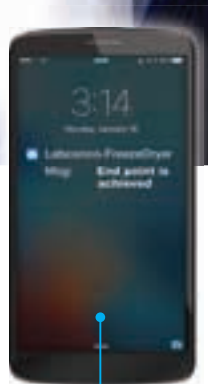
## The right way to check samples.

Don't get stuck waiting for your samples to freeze dry. With a FreeZone® Freeze Dryer, you are free to roam.

The FreeZone emails you alert messages and status updates whenever and wherever you choose. Add the End-Zone™ accessory and know precisely when freeze drying is complete.

Freeze drying is now as effortless as child's play:

- Large, full color display with touch screen navigation gives you parameter status at-a-glance.
- Lyo-Works™ OS software provides numerous programming options and stores data for proof of sample integrity.
- USB port and Ethernet connection make it easy to output data.



### NEW Labconco FreeZone® Freeze Dryers with End-Zone™



Protecting your  
laboratory environment

**LABCONCO®**



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CORNING

## Buy One Case, Get One Pack Free

Order a case of select Corning® DeckWorks low binding barrier pipet tips or DeckWorks reload systems and receive one pack from the same category.



### Corning DeckWorks Low Binding Barrier Pipet Tips in a Hinged Rack

Low binding barrier tips feature an inert, high-density polyethylene barrier to reduce aerosol carryover contamination during critical pipetting procedures.

| Thomas Scientific Cat. No. | Corning Cat. No. | Volume Range (μL) | Color   | Sterile | Racks/Pk | Tips/Pk | Qty/Cs |
|----------------------------|------------------|-------------------|---------|---------|----------|---------|--------|
| 1222T12                    | 4135             | 0.1 - 10          | Natural | Yes     | 10       | 960     | 3,840  |
| 1222T13                    | 4136             | 1 - 20            | Natural | Yes     | 10       | 960     | 3,840  |
| 1222T14                    | 4137             | 1 - 100           | Natural | Yes     | 10       | 960     | 3,840  |
| 1222T15                    | 4138             | 1 - 200           | Natural | Yes     | 10       | 960     | 3,840  |
| 1222T16                    | 4139*            | 1 - 200           | Natural | Yes     | 10       | 960     | 3,840  |
| 1222T17                    | 4140             | 100 - 1,000       | Natural | Yes     | 10       | 960     | 3,840  |

\*The unique design of this extended-length tip allows standardization across a wide range of 20 μL, 50 μL, 100 μL, and 200 μL pipettors.

### Corning DeckWorks Reload Systems

Allows for convenient and economical reloading of durable DeckWorks hinged racks. Choose from standard or low binding versions.



| Thomas Scientific Cat. No. | Corning Cat. No. | Volume Range (μL) | Color   | Sterile | Racks/Pk | Tips/Pk | Qty/Cs |
|----------------------------|------------------|-------------------|---------|---------|----------|---------|--------|
| <b>Standard Tips</b>       |                  |                   |         |         |          |         |        |
| 1222T02                    | 4125             | 0.1 - 10          | Natural | Yes     | 10       | 960     | 3,840  |
| 1222T03                    | 4126             | 1 - 20            | Natural | Yes     | 10       | 960     | 3,840  |
| 1222T04                    | 4127             | 1 - 100           | Yellow  | Yes     | 10       | 960     | 3,840  |
| 1222T05                    | 4128             | 1 - 200           | Natural | Yes     | 10       | 960     | 3,840  |
| 1222T06                    | 4129             | 1 - 200           | Natural | Yes     | 8        | 768     | 3,072  |
| <b>Low Binding Tips</b>    |                  |                   |         |         |          |         |        |
| 1222T28                    | 4153             | 0.1 - 10          | Natural | No      | 10       | 960     | 3,840  |
| 1222T29                    | 4154             | 1 - 200           | Natural | No      | 10       | 960     | 3,840  |
| 1222T30                    | 4155             | 1 - 300           | Natural | No      | 10       | 960     | 3,840  |

For purchases from May 1, 2017 to August 31, 2017

To redeem this promotion:

**Redeem by Email to [marketing@thomassci.com](mailto:marketing@thomassci.com)**

Put promotional code "PRO-T-Deckworks-17" in the subject line and provide the following information in the body of the email:

- ▶ Your name, phone number, organization, and shipping address (including Bldg/Lab/Room)
- ▶ Corning Cat. No. of free goods. **Free goods limited to 3 free packs per lab.**
- ▶ Attach proof of purchase (packing slip or purchase order)

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thermo scientific

## Summer Savings – **30% off \*** Thermo Scientific™ Multiskan™ GO and Multiskan™ FC Microplate Readers

Easy-to-use, reliable absorbance readers. Both instruments can be operated alone or with Thermo Scientific™ SkanIt™ software (included).

| Cat. No. | Description                  |
|----------|------------------------------|
| 1202T75  | Multiskan FC                 |
| 1202T76  | Multiskan FC with Incubator  |
| 1202T77  | Multiskan GO without Cuvette |
| 1202T78  | Multiskan GO with Cuvette    |

Visit [thomassci.com/ThermoScientific-LabBuyer](http://thomassci.com/ThermoScientific-LabBuyer) and \*contact your sales rep for details on this offer.



## Upgrade any old pipette to the Thermo Scientific™ Finnpipette™ F2 Manual Pipettes and receive \$132 off a single channel and up to \$266 off a multichannel!

Rugged construction and ease of maintenance for your more demanding applications

| Cat. No.               | Description                     | 2017 Price* (USD) |
|------------------------|---------------------------------|-------------------|
| <b>Single channels</b> |                                 |                   |
| 1228Q06                | Finnpipette F2, 0.2-2 µl, micro | \$245             |
| 1228Q07                | Finnpipette F2, 0.5-5 µl, micro | \$245             |
| 1228Q08                | Finnpipette F2, 1-10 µl, micro  | \$245             |
| 1228Q09                | Finnpipette F2, 1-10 µl         | \$245             |
| 1228Q10                | Finnpipette F2, 2-20 µl, micro  | \$245             |
| 1228Q11                | Finnpipette F2, 2-20 µl         | \$245             |
| 1223F69                | Finnpipette F2, 5-50 µl, micro  | \$245             |
| 1223F70                | Finnpipette F2, 5-50 µl         | \$245             |
| 1228Q12                | Finnpipette F2, 10-100 µl       | \$245             |
| 1228Q13                | Finnpipette F2, 20-200 µl       | \$245             |
| 1228Q14                | Finnpipette F2, 100-1000 µl     | \$245             |
| 1228Q15                | Finnpipette F2, 0.5-5 ml        | \$245             |
| 1228Q16                | Finnpipette F2, 1-10 ml         | \$245             |

| Cat. No.             | Description                           | 2017 Price* (USD) |
|----------------------|---------------------------------------|-------------------|
| <b>Multichannels</b> |                                       |                   |
| 1228Q30              | Finnpipette F2, 8-channel, 1-10 µl    | \$579             |
| 1228Q31              | Finnpipette F2, 8-channel, 5-50 µl    | \$579             |
| 1228Q32              | Finnpipette F2, 8-channel, 10-100 µl  | \$579             |
| 1228Q33              | Finnpipette F2, 8-channel, 30-300 µl  | \$579             |
| 1228Q34              | Finnpipette F2, 12-channel, 1-10 µl   | \$763             |
| 1228Q35              | Finnpipette F2, 12-channel, 5-50 µl   | \$763             |
| 1228Q36              | Finnpipette F2, 12-channel, 10-100 µl | \$763             |
| 1228Q37              | Finnpipette F2, 12-channel, 30-300 µl | \$763             |
| 1228Q38              | Finnpipette F2, 16-channel, 1-10 µl   | \$820             |
| 1228Q39              | Finnpipette F2, 16-channel, 5-50 µl   | \$820             |

\*Manufacturer's recommended Upgrade program prices. Discount is reflected in price above.

Visit [thomassci.com/ThermoScientific-LabBuyer](http://thomassci.com/ThermoScientific-LabBuyer) for offer details. Offer expires Dec. 31, 2017.



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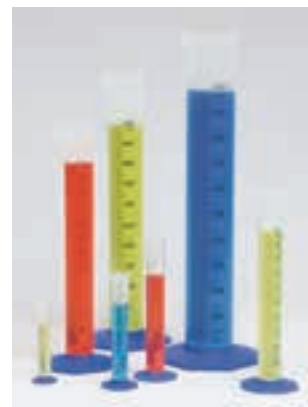




## Buy a Thermo Scientific™ Nalgene™ Cylinder Variety Pack and get a Beaker Variety pack at no added cost.

A convenient and cost effective way to get started setting up your new lab, assemble student labware kits for a new semester, or refresh an established lab.

| Cat. No. | Description   |
|----------|---|
| 1197F27  | Cylinder Variety Pack - Includes one each 10ml, 25ml, 50ml, 100ml, 250ml, 500ml, 600ml and 1000ml graduated cylinders |
| 1197F26  | Beaker Variety Pack - Includes one each of 50ml, 100ml 150ml, 250ml, 400ml, 600ml and 1000ml beakers                  |



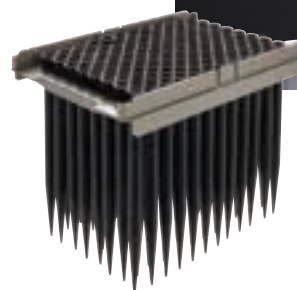
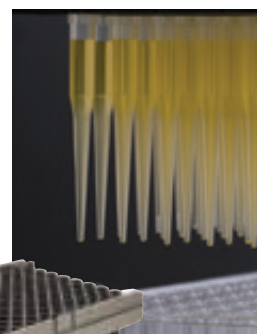
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Limit 3 offers per lab. Offer expires Sept. 30, 2017.

## Buy four cases of wide bore automation tips compatible with Tecan and Beckman Coulter automated liquid handlers and get an extra case at no cost! (5 cases total)

Designed to address sample preparation challenges

| Cat. No. | Description   | Vol., $\mu$ L | Sterility   | Packing                               |
|----------|---|---------------|-------------|---------------------------------------|
| 903011G  | Thermo Scientific Automation Tips for Tecan LiHa Arm, Wide Bore, Filtered             | 175 $\mu$ L   | Sterile     | 96 Tips/Tray, 10 Trays/Case           |
| 903251G  | Thermo Scientific Automation Tips for Tecan LiHa Arm, Wide Bore                       | 200 $\mu$ L   | Sterile     | 96 Tips/Tray, 10 Trays/Case           |
| 903252G  | Thermo Scientific Automation Tips for Tecan LiHa Arm, Wide Bore                       | 200 $\mu$ L   | Non-Sterile | 96 Tips/Tray, 10 Trays/Case           |
| 904011G  | Thermo Scientific Automation Tips for Tecan LiHa Arm, Wide Bore, Filtered             | 1000 $\mu$ L  | Sterile     | 96 Tips/Tray, 10 Trays/Case           |
| 904251G  | Thermo Scientific Automation Tips for Tecan LiHa Arm, Wide Bore                       | 1000 $\mu$ L  | Sterile     | 96 Tips/Tray, 10 Trays/Case           |
| 904252G  | Thermo Scientific Automation Tips for Tecan LiHa Arm, Wide Bore                       | 1000 $\mu$ L  | Non-Sterile | 96 Tips/Tray, 10 Trays/Case           |
| 919021G  | Thermo Scientific Automation Tips for Beckman AP96 Dispense Head, Wide Bore, Filtered | 130 $\mu$ L   | Sterile     | 96 Tips/Tray, 10 Racks/Pk, 5 Packs/Cs |
| 919261G  | Thermo Scientific Automation Tips for Beckman AP96 Dispense Head, Wide Bore           | 250 $\mu$ L   | Sterile     | 96 Tips/Tray, 10 Racks/Pk, 5 Packs/Cs |
| 919262G  | Thermo Scientific Automation Tips for Beckman AP96 Dispense Head, Wide Bore           | 250 $\mu$ L   | Non-Sterile | 96 Tips/Tray, 10 Racks/Pk, 5 Packs/Cs |



Visit **thomassci.com/ThermoScientific-LabBuyer** for offer details.

Offer expires Sept. 30, 2017.

**ThermoFisher**  
SCIENTIFIC

# REFRIGERATED AND HEATING BATH CIRCULATORS

## Thermo Scientific SAHARA Series S7 Heated Bath Circulators

**Perfect for internal or external circulation,** Thermo Scientific™ SAHARA Series S7 stainless-steel baths are offered in a wide selection for efficient heating from ambient 13° to 300°C, with maximum bath volume of 8 liters. The SAHARA series of heated bath circulators are available with a wide variety of work area dimensions to meet your internal or external circulation requirements. A selection of eight different controllers will create the perfect fit for your application. Rugged and corrosion-resistant for high temperature applications up to 300°C.

- Available in capacities from 5 to 53 liters with a variety of work area dimensions to meet your application needs.
- Whether you need internal or external circulation, choose from a wide selection of heating bath circulators for efficient heating.
- Rugged and corrosion-resistant for high temperature applications up to 300°C.



### Ordering information:

| Controller ↑ Bath ►           | S7                                    |
|-------------------------------|---------------------------------------|
| SC100                         | Ambient +13 to 100°C                  |
| SC150                         | Ambient +13 to 150°C                  |
| SC150L                        | Ambient +13 to 150°C                  |
| AC150                         | Ambient +13 to 150°C                  |
| AC200                         | Ambient +13 to 200°C                  |
| PC200                         | Ambient +13 to 200°C                  |
| PC201                         | Ambient +13 to 200°C                  |
| PC300                         | Ambient +13 to 300°C                  |
| Maximum bath volume (liters)* | 8                                     |
| Work area (DxWxL) mm (in)     | 200 x 154.2 x 111.9 (7.9 x 6.1 x 4.4) |
| Net weight (kg/lb)            | 10.6/23.4                             |
| Compliance                    | CE/ROHS/WEEE                          |

| Model                         | S7                   |                  |
|-------------------------------|----------------------|------------------|
| <b>Voltages (V/Hz)</b>        | <b>115/60</b>        | <b>100/50-60</b> |
| SC100 plus Bath               | 1167X44              | 1167X45          |
| SC150 plus Bath               | 1167X44              | 1167X45          |
| SC150L plus Bath              | 1167X44              | 1167X45          |
| AC150 plus Bath               | 1167X44              | 1167X45          |
| AC200 plus Bath               | 1167X44              | 1167X45          |
| <b>Voltages</b>               | <b>200-230/50-60</b> |                  |
| Maximum bath volume (liters)* | 1167X46              |                  |
| Work area (DxWxL) mm (in)     | 1167X46              |                  |
| Net weight (kg/lb)            | 1167X46              |                  |

\*Fluid volume varies depending on the fluid used, temperature range, and items inserted into the reservoir.



## Ultra-Low Temperature Circulators

Thermo Scientific™ Ultra-Low Temperature Circulators meet a variety of application needs. The ULT baths are designed primarily to circulate to external closed loop applications. Featuring ultra-low temperatures down to -80°C or -90°C, the ULTs have digital displays for simple operation.

- Designed to achieve low temperatures and maintain excellent temperature stability for consistent results.
- Temperature remains steady to a very tight tolerance to give you an excellent calibration source.
- Industrial-grade circulating pump that delivers consistent flow.

### Ordering information:

|                                   | Thomas #1167X43                                | Thomas #1167X42  |
|-----------------------------------|--|--|
| <b>Model</b>                      | <b>ULT 80</b>                                  | <b>ULT 95</b>  |
| <b>Temperature Range (Metric)</b> | -90° to -30°C                                  | -80° to +10°C  |
| <b>Cooling Capacity</b>           | 350w cooling at -80°C<br>280w cooling at -80°C | 250w cooling at -70°C (60Hz)<br>200w cooling at -70°C (50Hz) |
| <b>Volume (English) Max. Bath</b> | 4 gal.   | 4 gal.   |
| <b>Volume (Metric) Max. Bath</b>  | 15.1L  | 15.1L  |
| <b>Net Weight (English)</b>       | 370 lb.  | 336 lb.  |
| <b>Net Weight (Metric)</b>        | 168kg  | 152.4kg  |
| <b>Depth (English) Interior</b>   | 2 in. diameter fill port                       | 9.5 in.  |
| <b>Depth (Metric) Interior</b>    | 5.1cm diameter fill port                       | 24.1cm   |
| <b>Length (English) Interior</b>  | 21.50 in.                                      | 5.4 in.  |
| <b>Length (Metric) Interior</b>   | 54.6cm   | 13.7cm   |

### Ordering information:

|  | Thomas #1167X43                                    | Thomas #1167X42                                       |
|--|--|---|
| <b>Model</b>                           | <b>ULT 80</b>                                      | <b>ULT 95</b>   |
| <b>Height (English) Exterior</b>       | 48 in.   | 47.50 in.   |
| <b>Height (Metric) Exterior</b>        | 119.4cm  | 102.7cm   |
| <b>Width (English) Interior</b>        | 32.125 in.   | 7 in.   |
| <b>Width (Metric) Interior</b>         | 81.6cm   | 17.8cm  |
| <b>Width (English) Exterior</b>        | 32.125 in.   | 27.375 in.  |
| <b>Width (Metric) Exterior</b>         | 81.6cm   | 69.2cm  |
| <b>Display</b>                         | Digital/PID  | Digital/PID   |
| <b>Pump</b>                            | Force/suction                                      | Force/suction   |
| <b>Pump Capacity</b>                   | 16lpm (3.3gpm) at<br>0 ft. head, 21 ft. max.       | 10lpm (2.6gpm) at<br>0 ft. head, 12 ft. max.          |
| <b>Dimensions (L x W x H) Exterior</b> | 21.50 x 32.125 x 48 in.<br>(54.6 x 81.6 x 119.4cm) | 17.75 x 27.375 x 47.50 in.<br>(45.1 x 69.2 x 102.7cm) |

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Take advantage of this limited offer today by choosing one of the Barnstead water purification systems listed below. All systems come with the consumables you need to make Type 1 and Type 2 water the day you receive your system\*.

\*Additional pre-treatment may be required.

### Thermo Scientific™ Barnstead™ Smart2Pure™ Water Purification System

| Thomas No. | Description   |
|------------|---|
| 1168H56    | <b>Thermo Scientific Barnstead Smart2Pure 3 LPH package</b> includes: water system, pretreatment (hardness stabilizer & activated carbon filter), RO cartridge, ultrapure polishing cartridge, 0.2 micron filter, hand dispenser and installation.                              |
| 1168H50    | <b>Thermo Scientific Barnstead Smart2Pure 3 LPH UV package</b> includes: water system, pretreatment (hardness stabilizer & activated carbon filter), RO cartridge, ultrapure polishing cartridge, UV lamp, 0.2 micron filter, hand dispenser and installation.                  |
| 1168H53    | <b>Thermo Scientific Barnstead Smart2Pure 3 LPH UV/UF package</b> includes: water system, pretreatment (hardness stabilizer & activated carbon filter), RO cartridge, ultrapure polishing cartridge, UV lamp, ultra filter, 0.2 micron filter, hand dispenser and installation. |
| 1168H51    | <b>Thermo Scientific Barnstead Smart2Pure 6 LPH UV package</b> includes: water system, pretreatment (hardness stabilizer & activated carbon filter), RO cartridge, ultrapure polishing cartridge, UV lamp, 0.2 micron filter, hand dispenser and installation.                  |
| 1168H54    | <b>Thermo Scientific Barnstead Smart2Pure 6 LPH UV/UF package</b> includes: water system, pretreatment (hardness stabilizer & activated carbon filter), RO cartridge, ultrapure polishing cartridge, UV lamp, ultra filter, 0.2 micron filter, hand dispenser and installation. |
| 1168H50    | <b>Thermo Scientific Barnstead Smart2Pure 12 LPH package</b> includes: water system, pretreatment (hardness stabilizer & activated carbon filter), RO cartridge, ultrapure polishing cartridge, 0.2 micron filter, hand dispenser and installation.                             |

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Offer expires  
12/31/17.

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Offer expires 12/31/17

| Thomas No. | Promo Part | Description   | Standard List Price (2 units) | Promo Price | Customer Savings |
|------------|------------|---|-------------------------------|-------------|------------------|
| 1167T80    | 51031562X2 | Save 25% when you buy TWO stackable Heratherm IMP180 Peltier Refrigerated Incubators                    | \$12,800.00                   | \$9,600.00  | \$3,200.00       |
| 1167T81    | 51031563X2 | Save 25% when you buy TWO stackable Heratherm IMP180 Peltier Refrigerated Incubators w/ Internal outlet | \$13,400.00                   | \$10,050.00 | \$3,350.00       |

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## TIGHT TEMPERATURE TOLERANCE INCUBATOR

Forced convection incubator for temperature sensitive applications. Specifically designed for maximum temperature stability and uniformity the TTT incubator or "Tight Temperature Tolerance" incubator uses mechanical convection and an optimized configuration. Ideal for waste water/water quality testing, microbiological testing, or any small sample temperature sensitive process. The TTT incubator includes a removable shelf, a large viewing window and an easy to use digital control system with a configurable alarm and timer. The TTT is recommended for use with plates, trays and 100ml samples in testing for heterotrophic bacteria including coliform, enterococci, and pseudomonas aeruginosa. The 0.34 cubic foot (9.62l) unit can hold twelve 120mL bottles or eight 250ml bottles or multiple trays and plates. Boekel incubators are used worldwide in research and medical institutes, water quality testing laboratories, food and beverage quality control labs.

- Maximum temperature stability and uniformity.
- Easy to use digital interface with configurable timer and alarm.
- Large viewing window.
- Two year manufacturer warranty.

| Thomas No. | Description  |
|------------|--|
| 1201P97    | Tight Temperature Tolerance Forced Convection Incubator 115V |
| 1201P98    | Tight Temperature Tolerance Forced Convection Incubator 230V |

### Applications

- ▲ Water Testing
- ▲ Food and Beverage
- ▲ Research
- ▲ Medicine
- ▲ University
- ▲ Biotechnology
- ▲ Microbiological

For more information, please visit [www.thomassci.com](http://www.thomassci.com)  
Search: **1201P97** and **1201P98**

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Engineered for high-speed centrifugation and meet the demands of the most critical scientific work. Premium grade materials and an automated, touch free manufacturing process provide both performance and savings.

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**Certified** – Tubes are manufactured in a class 100,000 clean room, gamma irradiated to SAL 10<sup>-6</sup>, and are certified to be free from DNase and RNase, Human DNA, Pyrogens, and Endotoxins

**Leak Resistant** – Easy Grip Caps have an integral seal ring design for secure closures that eliminate seepage when used as recommended

**Ease of Use** – Exceptionally clear tubes have black printed graduation marks to full volume of 15mL or 50mL, a bright white marking space, and are packaged in heavy duty, zip, re-closable bags.

**Eco Friendly** – Paperboard racks are readily recyclable in the well-established paper recycling stream



15mL

50mL  
Self-Standing**SPIN RATES  
UP TO 20,000 X G!**

50mL

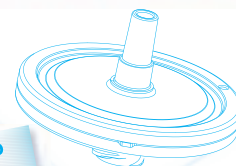
| Thomas No.     | Description   | Max RCF (g)   | Unit |
|----------------|---|---------------|------|
| <b>1169H95</b> | 15mL Centrifuge Tube w/Cap, STERILE, 25/Bag, 20 Bags/Case               | <b>17,000</b> | 500  |
| <b>1169H96</b> | 15mL Centrifuge Tube w/Cap, STERILE, 25/Rack, 20 Racks/Case             | <b>17,000</b> | 500  |
| <b>1169H97</b> | 50mL Centrifuge Tube w/Cap, STERILE 25/Bag, 20 Bags/Case                | <b>20,000</b> | 500  |
| <b>1169H98</b> | 50mL Centrifuge Tube w/Cap, STERILE, 25/Rack, 20 Racks/Case             | <b>20,000</b> | 500  |
| <b>1169H99</b> | 50mL Centrifuge Tube w/Cap, STERILE Self-Standing, 25/Bag, 20 Bags/Case | <b>7,000</b>  | 500  |



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# Captair

## "Complete Chemical Filtration Ecosystem" Package

Erlab's chemical filtration products work together to keep you protected from the moment a chemical enters the laboratory to whenever or wherever it evaporates.

### Safe chemical storage

**Store your chemicals in a Smart filtering chemical storage cabinet** and you will be protected from breathing in noxious or toxic chemicals. With three configurable styles to choose from (floor, bench, wall), these will meet all storage requirements, in all areas, and for all different chemical types.

### Protecting you from hazardous fumes

**Erlab's Smart ductless fume hoods feature the most advanced molecular filtration technology available** to keep you safe during your chemical handling. Multiple chemical types can be adsorbed at the same time, so you are no longer limited to application-specific filters or the inability to adapt to new lab processes.

### Cleaner air in your lab

**Fugitive chemical vapors which are impossible to contain in a fume hood or storage cabinet** need to be removed. The Halo air filtration system works 24/7 to eliminate these noxious vapors and simultaneously improves the air quality of the lab. It is easily mounted in the ceiling and requires no HVAC hookup.

| Thomas No. | Description  | List Price  |
|------------|--|-------------|
| 1169A82    | Captair Package: includes Captair 392 Smart Ductless Fume Hood, Captair 822 Smart Filtered Storage Cabinet & Halo Smart Laboratory Air Filtration System - VOC | \$10,989.08 |

#### Package includes:

- Captair 392 Smart Ductless Fume Hood, 80-220V/50-60Hz
- Captair 822 Smart with Pull Out Drawer, 80-220V/50-60Hz
- Halo Smart Laboratory Air Filtration System - VOC, 80-240V/50-60Hz





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qTOWER<sup>3</sup> Thermal Cyclers feature:

- Open platform for all common plasticware types (96 well plates, 8 or 12 well strips and individual tubes)
- Fast, efficient ramping rates: heating 8°C/sec; cooling 6°C/sec
- Optimized for volumes of 10 - 80 µl with detection of 96 samples in 6 sec, regardless of number of targets
- qTOWER<sup>3</sup> G includes gradient temperature range of up to 40°C across 12 columns/zones
- 10 year warranty on system optical components; 2 year warranty on remainder of system

**Free laptop** loaded with qPCRsoft software for control and analysis

**Free color module 1** for SYBR Green/FAM/Alexa488 dyes

**Free starter kit** with 96 well microplates and sealing films

| Part #  | Description                           | Price               |
|---------|---------------------------------------|---------------------|
| 1182K98 | qTOWER <sup>3</sup> with free items   | <b>\$ 22,254.02</b> |
| 1182K99 | qTOWER <sup>3</sup> G with free items | <b>\$ 23,425.83</b> |

qTOWER 115V models listed. 10-year warranty provided on optical detection components. Additional color, FRET and protein modules available for loading up to 6 modules simultaneously. Go to [ThomasSci.com](http://ThomasSci.com) for additional specifications. Free items included with purchase. Offer valid in North America through March 31, 2018.

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2

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3

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### Aqueous Samples

- Fast drying for vacuum oven samples
- Oil-free – No oil changes, no oil mess
- Attractively priced
- Compact, Lightweight, Portable

- Fast drying for vacuum oven samples
- Oil-free – No oil changes, no oil mess
- Attractively priced
- Compact, Lightweight, Portable

2047B-01



### Acidic or Basic Samples, Organic Solvents



### Rotary Vane Pumps for High Vacuum

- Ideal for high boiling point solvents such as DMSO
- High Flow
- Choose Belt Drive to maximize ruggedness
- Choose portable direct drive when anti-suckback feature is needed



| Oven Volume                | Oil Free Vacuum (1.5 to 35 torr) |                 |                  |                 | Oil-Seal Deep Vacuum (0.0001 to 0.002 torr) |                 |                    |                 |
|----------------------------|----------------------------------|-----------------|------------------|-----------------|---|-----------------|--------------------|-----------------|
|                            | Aqueous Vapors                   |                 | Chemical Vapors  |                 | Portable Direct Drive                       |                 | Durable Belt Drive |                 |
|                            | Welch Pump                       | Thomas Part No. | Welch Pump       | Thomas Part No. | Welch Pump                                  | Thomas Part No. | Welch Pump         | Thomas Part No. |
| 0.6 to 1.5 ft <sup>3</sup> | WOB-L 2561B-50                   | 1233K79         | DryFast 2042B-01 | 1208U46         | CRVpro4                                     | 1169A89         | DuoSeal 1400B-01   | 7893Q10         |
| 2.5 to 4.5 ft <sup>3</sup> | WOB-L 2581B-50                   | 1233K83         | DryFast 2047B-01 | 1208U42         | CRVpro6                                     | 1169A91         | DuoSeal 1405B-01   | 7893Q13         |
| 4.5 to 9.0 ft <sup>3</sup> | WOB-L 2581B-50                   | 1233K83         | DryFast 2054B-01 | 1191B19         | CRVpro8                                     | 1169A93         | DuoSeal 1402B-01   | 7893Q16         |



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