

Corning Equipment Selection Guide



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Introduction

Corning Life Sciences is pleased to present our new Equipment Selection Guide. In this guide, you will find a selection of Corning's newest and most requested products.

For up-to-date information on Corning Life Sciences' comprehensive range of products and services, go to www.corning.com/lifesciences where you can access:

- ▶ New Products
- ▶ Product Catalog
- ▶ Technical Information including:
 - Application Notes
 - Instruction Manuals
 - Product Bulletins
 - Product Selection Guides
- ▶ Product Literature
- ▶ Distributor Information

For additional product information, please visit www.corning.com/lifesciences, or call 1.800.492.1110. Customers outside the United States, please call 1.978.442.2200 or contact your local support office. See back cover.

Ordering Information

Corning products are available through any authorized Corning support office or distributor. Please see our web site for a complete listing.

To place an order, simply contact the distributor of your choice. For each requested product, provide the Corning catalog number, product description, and desired quantity.



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Equipment

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Liquid Handling Products



Lambda Plus Single-Channel Pipettor



Lambda Plus 8-Channel Pipettor



Lambda Plus 12-Channel Pipettor

Corning® Lambda™ Plus Single-Channel, 8-Channel and 12-Channel Pipettors

Lambda Plus Pipettors have been engineered to provide the highest levels of accuracy, reproducibility, and comfort. Available in single-, eight- and twelve-channel configurations, all Lambda Plus Pipettors feature smooth plunger movement and extremely low pipetting forces. Volume can be set by turning either the thumb wheel or the plunger button, and a locking mechanism prevents accidental change.

The Lambda Plus Pipettors have been designed to maintain their calibration, even after repeated use and autoclaving. A key is included with each pipettor for easy in-house calibration.

- ▶ Factory calibrated to strict ISO 8655 standards
- ▶ 3-year warranty
- ▶ Fully autoclavable and UV resistant
- ▶ Designed for universal fit with all common brands of pipet tips
- ▶ Adjustable tip ejector

Lambda Plus Single-Channel Pipettor Ordering Information

	Cat. No.	Volume Range (µL)	Accuracy	Precision	Tip (µL)	Qty/Cs
New	4070	0.2-2.0	±12 to ±1.5%	<6.0 to <0.7%	10	1
New	4071	0.5-10	±4.0 to ±0.5%	<4.0 to <0.4%	10	1
New	4072	2-20	±4.0 to ±0.8%	<3.0 to <0.4%	200	1
New	4073	10-100	±1.6 to ±0.8%	<0.8 to <0.3%	200	1
New	4074	20-200	±1.2 to ±0.6%	<0.6 to <0.3%	200	1
New	4075	100-1,000	±1.0 to ±0.6%	<0.45 to <0.25%	1,000	1

Lambda Plus 8-Channel and 12-Channel Pipettor Ordering Information

	Cat. No.	Volume Range (µL)	Channels	Accuracy	Precision	Tip (µL)	Qty/Cs
New	4080	1-10	8	±8.0 to ±2.0%	<6.0 to <1.2%	10	1
New	4081	5-50	8	±4.0 to ±1.6%	<2.5 to <0.6%	200	1
New	4082	20-200	8	±3.0 to ±1.0%	<1.5 to <0.6%	200	1
New	4083	50-300	8	±1.6 to ±1.0%	<1.5 to <0.6%	200/300	1
New	4084	1-10	12	±8.0 to ±2.0%	<6.0 to <1.2%	10	1
New	4085	5-50	12	±4.0 to ±1.6%	<2.5 to <0.6%	200	1
New	4086	20-200	12	±3.0 to ±1.0%	<1.5 to <0.6%	200	1
New	4087	50-300	12	±1.6 to ±1.0%	<1.5 to <0.6%	200/300	1

Accessories

New	4078	Universal carousel rack for six single-channel pipettors
New	4079	Universal linear rack for six pipettors (six single-channel, maximum of four 8-channel or 12-channel pipettors)
New	4088	8- or 12-channel pipettor stand. Holds one Lambda Plus 8-Channel or 12-Channel Pipettor



8- and 12-Pette Multichannel Pipettors

8-Pette® and 12-Pette Multichannel Pipettors

These pipettors feature a unique, ergonomic trigger-style aspiration and dispense control mechanism designed to reduce thumb fatigue during repetitive pipetting. Volume range is 20 to 200 µL and can be adjusted with a vernier-scale spindle. Autoclavable.

8-Pette and 12-Pette Multichannel Pipettors Ordering Information

Cat. No.	Volume Range (µL)	Channels	Qty/Cs
4880	20-200	12	1
4888	20-200	8	1



Stripettor Plus Pipetting Controller with pipet

Corning® Stripettor™ Plus Pipetting Controller

The new Corning Stripettor Plus is comfortable, lightweight, and designed for use with most brands of serological pipets. Speed range is adjustable via a control wheel on the back of the instrument, and aspirating and dispensing can be finely controlled by the pressure-sensitive buttons. A convenient wall hanger, charging stand, and spare filters are included with the Stripettor Plus, and when fully charged, the high capacity Lithium-Ion battery allows continuous pipetting for up to 4.5 hours. A battery indicator light lets the user know when it's time to recharge; the Stripettor Plus can be used while charging. The charging stand allows storage on its back, even with pipet inserted.

- ▶ Ergonomic, comfortable design
- ▶ Wall hanger, charging stand, charging power supply, and spare filters included
- ▶ Variable speed range and pressure sensitive control buttons
- ▶ Settings for blow out or slow “gravity” dispensing
- ▶ Compatible with pipets from 1 mL to 100 mL
- ▶ Includes hydrophobic, PTFE 0.2 µm filters
- ▶ Fast aspiration and dispensing speed at highest setting: 25 mL in 2.5 seconds
- ▶ Li-Ion battery provides 4.5 hours of continuous use



Stripettor Plus Pipetting Controller in charging position

Stripettor Plus Pipetting Controller and Accessories Ordering Information

Cat. No.	Description	Voltage	Qty/Cs
4090	Stripettor Plus with three 0.2 µm filters, wall hanger and charger	120V, 50/60Hz	1
4091	Stripettor Plus with three 0.2 µm filters, wall hanger and charger	230V, 50/60Hz, EU Plug	1
4092	Stripettor Plus with three 0.2 µm filters, wall hanger and charger	230V, 50/60Hz, UK Plug	1
4093	Stripettor Plus with three 0.2 µm filters, wall hanger and charger	100V, 50/60Hz, JP Plug	1
4097	Stripettor Plus with three 0.2 µm filters, wall hanger, without charger	230V, 50/60Hz, KR Plug	1
4098	Stripettor Plus with three 0.2 µm filters, wall hanger and charger	230V, 50/60Hz, AU Plug	1

EU = Europe, UK = United Kingdom, JP = Japan, KR = Korea, AU = Australia

Accessories

4094	PTFE autoclavable filter, 0.2 µm	5
4095	PTFE autoclavable filter, 0.45 µm	5
4096	Replacement silicone pipet holder	1



Stripettor Plus Pipetting Controller in storage position

Corning Aspirator Device and Accessories

Aspirator and Accessories Ordering Information

Cat. No.	Description
4930	Aspirator device (includes hand piece, grommet for accessory attachment, and single-channel adapter for use with disposable pipet tips)
4931	8-channel adapter for use with disposable pipet tips
9016	Costar® aspirating pipet, without graduations, unplugged, sterile, paper/plastic wrapped



Aspirator Device



Corning® Lambda™ Plus Starter Kit

The Lambda Plus Starter Kit contains four Lambda Plus Single-Channel pipettors conveniently packaged with useful accessories (manual, calibration key, color-coded rings, tube of piston grease and identification stickers). The kit includes:

- ▶ Cat. No. 4071, Lambda Plus Pipettor, 0.5 to 10 μ L
- ▶ Cat. No. 4072, Lambda Plus Pipettor, 2 to 20 μ L
- ▶ Cat. No. 4074, Lambda Plus Pipettor, 20 to 200 μ L
- ▶ Cat. No. 4075, Lambda Plus Pipettor, 100 to 1000 μ L
- ▶ 3 Racks of Corning IsoTip™ filtered pipet tips:
 - Cat. No. 4808, 0.5 μ L to 10 μ L IsoTips, rack of 96
 - Cat. No. 4823, 1 μ L to 200 μ L IsoTips, rack of 96
 - Cat. No. 4809, 100 μ L to 1000 μ L IsoTips, rack of 100
- ▶ Free Gift - 1 Corning insulated lunch bag

Lambda Plus Starter Kit Ordering Information

Cat. No.	Description	Qty/Pk	Qty/Cs
 4069	Lambda Plus Starter Kit	1	1

Transtar®-96 Well Liquid Transfer System



- ▶ The Costar® Transtar-96 System is a portable, autoclavable liquid handling device for use with 96 well plates
- ▶ A sterile 96 tip disposable cartridge, which loads into the Transtar system, enables liquids to be aspirated, transferred and dispensed over a volume range of 25 to 200 μ L in 5 μ L increments
- ▶ The Transtar-96 System is ideal for changing cell culture media and screening monoclonal antibodies
- ▶ Transtar-96 System accuracy is rated at $\pm 5\%$ at all volume levels

Transtar-96 Well Liquid Transfer System Ordering Information

Cat. No.	Description	Sterile	Qty/Pk	Qty/Cs
7605	Transtar-96, adjustable-volume pipettor	N/A	1	1
7606	Transtar elevator	N/A	1	1
7610	Transtar disposable cartridges	Yes	1	24
4876	Transtar disposable reservoir liner, open	Yes	1	100
4877	Transtar disposable reservoir liner, 12-channel	Yes	1	100
4878	Transtar disposable reservoir liner, 8-channel	Yes	1	100



Transtar Disposable Cartridge

Corning® LSE™ Products



Vortex Mixer

Corning LSE Vortex Mixer

The Corning variable speed LSE Vortex Mixer provides fast, efficient mixing with minimal vibration. The unit features a powerful, counter-balanced motor drive, continuous or “touch” mix modes. A range of accessories are available for all common sample tubes and containers.

- ▶ Variable speed for gentle to vigorous mixing
- ▶ Optimized counter balance for minimal vibration
- ▶ Lightweight and portable
- ▶ Includes cup head for all standard microtubes and centrifuge tubes
- ▶ Mix a variety of tubes and plates with optional accessory heads
- ▶ Touch and continuous mix modes

Corning LSE Vortex Mixer Ordering Information

	Cat. No.	Description	Voltage	Plug Type	Speed (rpm)	Weight (kg)	Dimensions (cm)	Qty/ Cs
New	6775	LSE Vortex Mixer	120V, 50/60Hz	US	0-3400	2.2	14 x 16 x 13	1
New	6776	LSE Vortex Mixer	230V, 50/60Hz	EU	0-2850	2.2	14 x 16 x 13	1
New	6777	LSE Vortex Mixer	230V, 50/60Hz	UK	0-2850	2.2	14 x 16 x 13	1
New	6778	LSE Vortex Mixer	100V, 50/60Hz	JP	0-2850	2.2	14 x 16 x 13	1



Accessory Heads for Vortex Mixer

Accessories

New	480100	Optional head, 3 inch, for processing larger numbers of tubes						1
New	480101	Optional head for 24 x 1.5/2.0 mL tubes, 24 x 0.5 mL tubes and 32 x 0.2 mL tubes (or 4 tube strips)						1
New	480102	Optional head for 1 microplate or 64 x 0.2 mL tubes or 8 x 0.2 mL tube strips						1
New	480103	Optional head for 8 x 15 mL and 8 x 12/13 mm diameter tubes						1
New	480104	Optional head attachment for 6 x 50 mL tubes						1
New	480105	Optional head for 12 x 1.5/2.0 mL tubes, held horizontally						1
New	480106	Optional head for 4 x 15 mL tubes, held horizontally						1
New	480107	Optional head for 2 x 50 mL tubes, held horizontally						1

Corning LSE Digital Microplate Shaker

The Corning LSE Digital Microplate Shaker features digital control of shaking speed and run time. A single control knob is used to set parameters, and values are shown on a large 3-digit display. A sturdy base encloses the motor for quiet, vibration-free operation.

The included stainless steel platform accommodates up to 4 microplates (standard or deep well) and the shaker is safe for use in temperature controlled environments from 4 to 65°C.

- ▶ Large capacity - process up to 4 microplates
- ▶ 3 mm orbit for resuspending, homogenizing or vortexing
- ▶ Large digital display with single-knob control
- ▶ Suitable for cold room or incubator use



Digital Microplate Shaker

Corning LSE Digital Microplate Shaker Ordering Information

	Cat. No.	Description	Voltage	Plug Type	Speed (rpm)	Weight (kg)	Dimensions (cm)	Qty/ Cs
New	6780-4	LSE Digital Microplate Shaker	120V, 50/60Hz	US	100-1400	4.3	16.8 x 27.9 x 15.3	1
New	6781-4	LSE Digital Microplate Shaker	230V, 50/60Hz	EU	100-1200	4.3	16.8 x 27.9 x 15.3	1
New	6782-4	LSE Digital Microplate Shaker	230V, 50/60Hz	UK	100-1200	4.3	16.8 x 27.9 x 15.3	1



Low Speed Orbital Shaker

Corning® LSE™ Low Speed Orbital Shaker

The Corning LSE Low Speed Orbital Shaker includes a 30 x 30 cm platform and is ideal for staining and destaining gels, washing blots and general mixing applications. Speed can be set from 3 to 60 rpm and the timer can be set for up to 2 hours or for continuous operation.

- ▶ Ideal for staining and washing of fragile gels
- ▶ Gentle motion prevents foaming of liquids
- ▶ Simple analog control with easy-turn knobs
- ▶ 19 mm orbit for blotting, gel staining and general mixing
- ▶ Safe for cold room and incubator use

Corning LSE Low Speed Orbital Shaker Ordering Information

	Cat. No.	Description	Voltage	Plug Type	Speed (rpm)	Weight (kg)	Dimensions (cm)	Qty/ Cs
New	6780-FP	LSE Low Speed Orbital Shaker	120V, 50/60Hz	US	3-60	5	25.5 x 32 x 16	1
New	6781-FP	LSE Low Speed Orbital Shaker	230V, 50/60Hz	EU	3-60	5	25.5 x 32 x 16	1
New	6782-FP	LSE Low Speed Orbital Shaker	230V, 50/60Hz	UK	3-60	5	25.5 x 32 x 16	1



Orbital Shaker with optional clamps and flasks

Corning LSE Orbital Shaker

The Corning LSE Orbital Shaker meets a variety of shaking and mixing applications. A powerful brushless motor and counter-balanced shaker mechanism provide smooth operation for years of trouble-free use. Different platforms (order separately) are available and are easily interchangeable.

- ▶ Two stainless steel platform options
- ▶ 19 mm orbit for aeration of cultures and staining gels
- ▶ Large digital display with single-knob control
- ▶ Digital control of shaking speed and time
- ▶ Safe for cold room or incubator use
- ▶ Maximum capacity: 4 x 1L, 5 x 500 mL, 9 x 250 mL or 16 x 125 mL

Corning LSE Orbital Shaker Ordering Information

	Cat. No.	Description	Voltage	Plug Type	Speed (rpm)	Weight (kg)	Dimensions (cm)	Qty/ Cs
New	6780-NP	LSE Orbital Shaker	120V, 50/60Hz	US	20-300	7.3	25.6 x 31.8 x 12.7	1
New	6781-NP	LSE Orbital Shaker	230V, 50/60Hz	EU	20-300	7.3	25.6 x 31.8 x 12.7	1
New	6782-NP	LSE Orbital Shaker	230V, 50/60Hz	UK	20-300	7.3	25.6 x 31.8 x 12.7	1

Accessories

New	480108	Flat Platform with Rubber Mat						1
New	480109	Flask Clamp Platform (without clamps)						1
New	480110	Clamp for 25 mL flask						1
New	480111	Clamp for 50 mL flask						1
New	480112	Clamp for 125 mL flask						1
New	480113	Clamp for 250 mL flask						1
New	480114	Clamp for 500 mL flask						1
New	480115	Clamp for 1L flask						1
New	431405	Erlenmeyer flask, baffled, 125 mL, vent cap, sterile						50
New	431407	Erlenmeyer flask, baffled, 250 mL, vent cap, sterile						50
New	431401	Erlenmeyer flask, baffled, 500 mL, vent cap, sterile						25
New	431403	Erlenmeyer flask, baffled, 1L, vent cap, sterile						25



Polycarbonate Erlenmeyer Flasks, Baffled

For a full listing of Corning flasks, please visit www.corning.com/lifesciences.



Mini Microcentrifuge

Corning® LSE™ Mini Microcentrifuge

The Corning LSE Mini Microcentrifuge is a personal benchtop instrument designed for quick spin downs of micro-samples. Operation is simple and convenient; after loading sample tubes, close the lid and the rotor accelerates quickly to 6000 rpm (2000 x g). This speed range is ideal for bringing small droplets to the bottom of the tubes, for micro-filtrations, or basic separations. Press the lid release button and rotor comes to a stop.

The LSE Mini Microcentrifuge includes an 8-place rotor that will accept standard 1.5 mL to 2.0 mL microcentrifuge tubes, and adapters are included for 0.5/0.4 mL and 0.2 mL tubes. Also included is a 4-place rotor for PCR strip tubes.

- ▶ Compact, lightweight and easy-to-use
- ▶ Close the lid to start, press the lid release button to stop
- ▶ 8 x 1.5/2.0 mL rotor and 4-place strip tube rotors included
- ▶ Fixed speed of 6000 rpm generates 2000 x g

Corning LSE Mini Microcentrifuge Ordering Information

	Cat. No.	Description	Voltage	Plug Type	Qty/Cs
New	6765	LSE Mini Microcentrifuge	120V	US	1
New	6766	LSE Mini Microcentrifuge	230V	EU	1
New	6767	LSE Mini Microcentrifuge	230V	UK	1

Corning LSE High Speed Microcentrifuge

The Corning LSE High Speed Microcentrifuge features an easy-to-use, digital control interface and high-speed performance for quick nucleic acid and protein separations. Two control knobs are used to precisely set rotor speed and run time, and parameters are shown on the easy-to-read LED displays. Press the “Speed/G-Force” knob to toggle the display between rpm and calculated g-force.

The LSE High Speed Microcentrifuge incorporates a brushless drive and unique air cooling system to both reduce noise and minimize sample heating even during prolonged runs at maximum speed.

- ▶ Fast acceleration to a maximum speed 13,300 rpm/16,300 x g
- ▶ Complete with easy access, 24 x 1.5/2.0 mL rotor
- ▶ Precise, digital control system
- ▶ Set and view rotor speed in rpm or g-force
- ▶ Quiet and cool running, even at maximum speed

Corning LSE High Speed Microcentrifuge Ordering Information

	Cat. No.	Description	Voltage	Plug Type	Speed (rpm)	Weight (kg)	Dimensions (cm)	Qty/Cs
New	6765-HS	LSE High Speed Microcentrifuge	120V, 50/60Hz	US	500-13,300	8.1	23.5 x 29.3 x 21.6	1
New	6766-HS	LSE High Speed Microcentrifuge	230V, 50/60Hz	EU	500-13,300	8.1	23.5 x 29.3 x 21.6	1
New	6767-HS	LSE High Speed Microcentrifuge	230V, 50/60Hz	UK	500-13,300	8.1	23.5 x 29.3 x 21.6	1
New	6768-HS	LSE High Speed Microcentrifuge	100V, 50/60Hz	JP	500-13,300	8.1	23.5 x 29.3 x 21.6	1

Accessories

	Cat. No.	Description	Qty/Pk
New	480134	Individual adaptors for 0.5/0.4 mL tubes	6
New	480165	Individual adaptors for 0.2 mL tubes	6



High Speed Microcentrifuge

Corning® LSE™ Digital Dry Bath Heater



Single Block Digital Dry Bath Heater

A broad temperature range to 150°C makes Corning's LSE Digital Dry Bath Heaters useful for a variety of applications in molecular biology, histology, clinical, environmental and industrial laboratories. Two models are available; for one or two sample blocks, and a variety of blocks are available for different sample containers. Temperature is accurately controlled by a microprocessor and shown on a large 4-digit LED display.

- ▶ Microprocessor control with large digital display
- ▶ Temperature accuracy of $\pm 0.3^{\circ}\text{C}$, and uniformity of $\pm 0.2^{\circ}\text{C}$
- ▶ Wide temperature set range from ambient $+5^{\circ}\text{C}$ to 150°C
- ▶ Stainless steel block cavity for corrosion resistance

Corning LSE Digital Dry Bath Heater Ordering Information

	Cat. No.	Description	Block Capacity	Voltage	Plug	Weight (kg)	Dimensions (cm)	Qty/Cs
New	6785-SB	LSE Digital Dry Bath	Single	120V, 50/60Hz	US	2.2	20 x 26.5 x 8.3	1
New	6786-SB	LSE Digital Dry Bath	Single	230V, 50/60Hz	EU	2.2	20 x 26.5 x 8.3	1
New	6787-SB	LSE Digital Dry Bath	Single	230V, 50/60Hz	UK	2.2	20 x 26.5 x 8.3	1
New	6788-SB	LSE Digital Dry Bath	Single	100V, 50/60Hz	JP	2.2	20 x 26.5 x 8.3	1
New	6785-DB	LSE Digital Dry Bath	Double	120V, 50/60Hz	US	2.2	20 x 26.5 x 8.3	1
New	6786-DB	LSE Digital Dry Bath	Double	230V, 50/60Hz	EU	2.2	20 x 26.5 x 8.3	1
New	6787-DB	LSE Digital Dry Bath	Double	230V, 50/60Hz	UK	2.2	20 x 26.5 x 8.3	1
New	6788-DB	LSE Digital Dry Bath	Double	100V, 50/60Hz	JP	2.2	20 x 26.5 x 8.3	1



Double Block Digital Dry Bath Heater

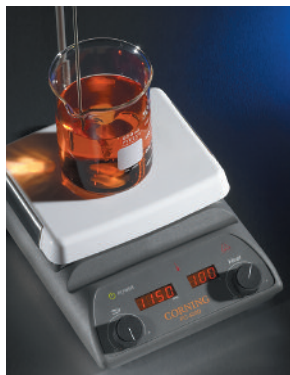
Corning LSE Digital Dry Bath Heater Accessories Ordering Information

	Cat. No.	Description	Qty/Cs
New	480116	Single Block, 48 x 0.2 mL PCR tubes or 6 x 0.2 mL strips	1
New	480117	Single Block, 20 x 2.0 mL tubes	1
New	480118	Single Block, 24 x 0.5 mL tubes	1
New	480119	Single Block, 24 x 1.5 mL tubes	1
New	480120	Single Block, 35 x 6 mm tubes	1
New	480121	Single Block, 20 x 10 mm tubes	1
New	480122	Single Block, 20 x 12 mm tubes	1
New	480123	Single Block, 20 x 13 mm tubes	1
New	480124	Single Block, 12 x 15 mL centrifuge tubes	1
New	480125	Single Block, 12 x 16 mm tubes	1
New	480126	Single Block, 12 x 17 mm tubes	1
New	480127	Single Block, 6 x 20 mm tubes	1
New	480128	Single Block, 6 x 25 mm tubes	1
New	480129	Single Block, 5 x 50 mL centrifuge tubes (for single block unit only)	1
New	480130	Single Block, 96 well PCR plate, skirted or nonskirted	1
New	480131	Dual Block, 96 well multiple well plate or 4 slides (for dual block unit only)	1
New	480132	Dual Block, 96 well PCR plate, skirted or nonskirted (for dual block unit only)	1
New	480133	Dual Block, 384 well PCR plate (for dual block unit only)	1



Digital Dry Bath Heater Accessories

Corning® Digital Hot Plates, Stirrers, and Stirring Hot Plates



The Corning digital hot plates and stirrers are made with the same durability and quality Corning has been putting into Pyroceram® top products since 1964. Digital displays are only available on 5" x 7" and 10" x 10" models. All models include Pyroceram top and a 2-year warranty.

- ▶ **Twin display stirring hot plate** – Truly affordable unit shows both temperature and stirring speed on separate digital displays to ensure accuracy time and time again.
- ▶ **Precise liquid temperatures and stirring speeds** – Temperature accuracy within $\pm 2^{\circ}\text{C}$ and stirring speeds at $\pm 5\%$ of the speed setting you choose
- ▶ **Digital displays** – Indicate when set temperature and stirring speeds are reached. Facilitate repeatability of standard operating procedures.
- ▶ **Safety indicators** – Power button and hot top indicators warn if unit is plugged in or is too hot to touch. Products have been independently tested and evaluated for compliance to product safety standards.
- ▶ **Angled front panel and large knobs** – Minimizes damage from spills and puts controls right at your fingertips

Digital Hot Plates Ordering Information

Cat. No.	Model Number	Voltage	Temp. Range	Top Plate Size
120V/60Hz				
6795-400D	PC-400D	120V/60Hz	5-550°C	5" x 7" (12.7 x 17.8 cm)
6795-600D	PC-600D	120V/60Hz	5-550°C	10" x 10" (25.4 x 25.4 cm)
100V/60Hz				
6797-400D	PC-400D	100V/60Hz	5-550°C	5" x 7" (12.7 x 17.8 cm)
6797-600D	PC-600D	100V/60Hz	5-550°C	10" x 10" (25.4 x 25.4 cm)
230V/50Hz				
6798-400D	PC-400D	230V/50Hz	5-550°C	5" x 7" (12.7 x 17.8 cm)
6798-600D	PC-600D	230V/50Hz	5-550°C	10" x 10" (25.4 x 25.4 cm)



Model PC-400D shown

Digital Stirrers Ordering Information

Cat. No.	Model Number	Voltage	Stir Range	Top Plate Size
120V/60Hz				
6795-410D	PC-410D	120V/60Hz	60-1150 RPM	5" x 7" (12.7 x 17.8 cm)
6795-610D	PC-610D	120V/60Hz	60-1150 RPM	10" x 10" (25.4 x 25.4 cm)
100V/60Hz				
6797-410D	PC-410D	100V/60Hz	60-1150 RPM	5" x 7" (12.7 x 17.8 cm)
6797-610D	PC-610D	100V/60Hz	60-1150 RPM	10" x 10" (25.4 x 25.4 cm)
230V/50Hz				
6798-410D	PC-410D	230V/50Hz	60-1150 RPM	5" x 7" (12.7 x 17.8 cm)
6798-610D	PC-610D	230V/50Hz	60-1150 RPM	10" x 10" (25.4 x 25.4 cm)



Model PC-410D shown



Model PC-420D shown

Digital Stirring Hot Plates Ordering Information

Cat. No.	Model Number	Voltage*	Temp./Stir Range	Top Plate Size
120V/60Hz				
6795-420D	PC-420D	120V/60Hz	5-550°C/60-1150RPM	5" x 7" (12.7 x 17.8 cm)
6795-420KIT†	PC-420D	120V/60Hz	5-550°C/60-1150RPM	5" x 7" (12.7 x 17.8 cm)
6795-620D	PC-620D	120V/60Hz	5-550°C/60-1150RPM	10" x 10" (25.4 x 25.4 cm)
6795-620KIT†	PC-620D	120V/60Hz	5-550°C/60-1150RPM	10" x 10" (25.4 x 25.4 cm)
100V/60Hz				
6797-420D	PC-420D	100V/60Hz	5-550°C/60-1150RPM	5" x 7" (12.7 x 17.8 cm)
6797-620D	PC-620D	100V/60Hz	5-550°C/60-1150RPM	10" x 10" (25.4 x 25.4 cm)
230V/50Hz				
6798-420D	PC-420D	230V/50Hz	5-550°C/60-1150RPM	5" x 7" (12.7 x 17.8 cm)
6798-620D	PC-620D	230V/50Hz	5-550°C/60-1150RPM	10" x 10" (25.4 x 25.4 cm)

†6795-420KIT and 6795-620KIT include the 120V stirring hot plate plus temperature controller, support rod and stir bar retriever.

Temperature Controller and Accessories

When used with the digital hot plate or stirring hot plate, the external temperature controller ensures precision temperature accuracy of the liquid inside the vessel as opposed to the temperature of the hot plate top.



Digital Hot Plate Accessories

Temperature Controller and Accessories Ordering Information

Cat. No.	Description	Used With Models
6795-PR*	Temperature Controller for digital hot plates & stirring hot plates	PC-400D/420D/600D/620D
6795KIT	Accessory Kit (includes 6795PR - External temperature controller, 440129 - Support rods, 18," 6970SR - Stir bar retriever)	PC-400D/420D/600D/620D
440129	Stainless Steel Support Rod – two 9" (45.7 cm) rods, 5/16" diameter. Rods can be screwed together to 18"	All digital and PC-200/210/220/400/410/420
409831	Stainless Steel Support Rod – 24" (61.0 cm), 7/16" diameter	PC-600/610/620
400084	Stainless Steel Support Rod – 12" (30.5 cm), 5/16" diameter	All digital and PC-200/210/220/400/410/420
440140†	Boss Head Clamp for use with 5/16" support rod & holding rod	All hot plates with 5/16" or smaller support rod
440141	Holding Rod – thermocouple, stainless steel	All hot plates

*Temperature controllers are not available for use with stirrer only units.

†Bosshead clamps to support rod, holding rod connects to bosshead. Temperature controller slides into holding rod.

Corning® Hot Plates, Stirrers, and Stirring Hot Plates

HOT PLATES

PC-200 Hot Plates



Corning's exclusive glass-ceramic Pyroceram® top is standard. Units come with a 2-year warranty. Micro-chemistry size. Hot top indicator light.

PC-200 Hot Plates Ordering Information

Cat. No.	Model	Power	Top Size	Temp.	Weight	Dimensions (H x W x D)
6795-200	PC-200	120V/60Hz/ 253W/2.1A	4" x 5"	77-1022°F (25-550°C)	4 lbs. (1.8 kg.)	4.4" x 5.8" x 7.3"
6796-200	PC-200	230V/50Hz/ 253W/1.1A	4" x 5"	77-1022°F (25-550°C)	4 lbs. (1.8 kg.)	4.4" x 5.8" x 7.3"
6797-200	PC-200	100V/60Hz/ 253W/2.1A	4" x 5"	77-1022°F (25-550°C)	4 lbs. (1.8 kg.)	4.4" x 5.8" x 7.3"

Note: 230 volt 6796 hot plates come with UK plug.

Scholar™ 170 Hot Plates



An economically priced hot plate that has a white enameled steel top plate that provides heat transfer up to 360°C. Dual heat shields dissipate heat and keep the case cool to the touch. Compact 5" x 5" size saves on bench space. UL/CUL approved, 1-year warranty.

Scholar 170 Hot Plates Ordering Information

Cat. No.	Model	Power	Top Size	Temp.	Weight	Dimensions (H x W x D)
6795-170	PC-170	120V/60Hz/ 250W/2.1A	5" x 5"	77-672°F (25-360°C)	3 lbs. (1.3 kg.)	4" x 5" x 5"
6796-170	PC-170	230V/50Hz/ 250W/1.1A	5" x 5"	77-672°F (25-360°C)	3 lbs. (1.3 kg.)	4" x 5" x 5"
6797-170	PC-170	100V/60Hz/ 250W/2.5A	5" x 5"	77-672°F (25-360°C)	3 lbs. (1.3 kg.)	4" x 5" x 5"

STIRRING HOT PLATES

PC-220 Hot Plate/Stirrers



Hot plate/stirrer units come with Corning's exclusive Pyroceram top and have a 2-year warranty. Hot top indicator light. Micro-chemistry size.

PC-220 Hot Plate/Stirrers Ordering Information

Cat. No.	Model	Power	Top Size	Stir Range	Temp.	Weight	Dimensions (L x W x D)
6795-220	PC-220	120V/60Hz/ 283W/2.4A	4" x 5"	60-1100 RPM	77-1022°F (25-550°C)	5.0 lbs.	4.4" x 5.8" x 7.3"
6796-220	PC-220	230V/50Hz/ 288W/1.3A	4" x 5"	60-1100 RPM	77-1022°F (25-550°C)	5.0 lbs.	4.4" x 5.8" x 7.3"
6797-220	PC-220	100V/60Hz/ 280W/2.8A	4" x 5"	60-1100 RPM	77-1022°F (25-550°C)	5.0 lbs.	4.4" x 5.8" x 7.3"

Note: 230 volt 6796 hot plate/stirrer comes with UK plug.

STIRRERS

PC-210 Stirrers



PC-210 Stirrers come with Corning's exclusive Pyroceram® top and have a 2-year warranty. Micro-chemistry size.

PC-210 Stirrers Ordering Information

Cat. No.	Model	Top Power	Size	Temp.	Dimensions	
					Weight	(L x W x D)
6795-210	PC-210	120V/60Hz/ 33W/0.3A	4" x 5"	60-1100 RPM	4.5 lbs.	4.4" x 5.8" x 7.3"
6796-210	PC-210	230V/50Hz/ 38W/0.17A	4" x 5"	60-1100 RPM	4.5 lbs.	4.4" x 5.8" x 7.3"
6797-210	PC-210	100V/60Hz/ 30W/0.3A	4" x 5"	60-1100 RPM	4.5 lbs.	4.4" x 5.8" x 7.3"

Note: 230 volt 6796 stirrers come with UK plug.

PC-611 Stirrers



The PC-611 is designed to stir large volumes of liquid with ease. The stirrer is designed for 5 gallon vessels (19L), but can stir up to 10 gallons. This powerful stirring is achieved with a very compact design that conserves bench space. The stirrer uses a magnet that is constructed out of rare earth metals for exceptional coupling strength. The magnet's strength also centers the stir bar quickly inside the vessel. Heavy duty motor and rugged plastic (ABS) top will provide years of reliable service. UL/CUL approved, one year warranty. 230V version is CE approved. Special Features: The PC-611 achieves vigorous stirring with a more compact unit at a lower cost than competitive units. The high volume stirrer can handle many applications that previously required an overhead stirrer.

PC-611 Stirrers Ordering Information

Cat. No.	Model	Power	Top Size	Stir Range	Weight	Dimensions
						(L x W x D)
6795-611	PC-611	120V/50-60Hz/ 144W/1.2A	11" x 11"	100-1500 RPM	11.0 lbs. (5 kg.)	4.8" x 12.0" x 14.4"

Scholar™ 171 Stirrer



The Scholar 171 Stirrer provides compact design, vigorous stirring with alternating current motor for longer life and rugged construction. UL/CUL approved, 1-year warranty.

Scholar 171 Stirrer Ordering Information

Cat. No.	Model	Power	Top Size	Stir Range	Weight	Dimensions
						(L x W x D)
6795-171	PC-171	120V/60Hz/ 29W/.24A	5" x 5"	100-1600 RPM	4 lbs. (1.8 kg.)	3.2" x 5.0" x 5.0"

SS2I Stirrers



One position slow speed stirrer with integral control to accommodate up to a 2L vessel. One position model allows the user to spend less and save valuable bench space compared to multiple position units. Integral speed control and glass filled resin platform material.

SS2I Stirrers Ordering Information

Cat. No.	System Descr.	Speed Range (RPM)	No. Pos.	Nom. Stir Vol. per Pos.	Max. Vessel (Diam) (mm)	Dimen. LxWxH (mm)	Wgt. (kg)	Motor Type	Power
440811	1 x 2L	10-150	1	2L	150	150 x 150 x 70	0.9	DC, Stepper	120V/60H

SS10I Stirrers



One position slow speed stirrer with integral control to accommodate up to a 10L vessel. Smooth reliable stirring at slow speeds helps promote healthy cell growth. Integral speed control and glass filled resin platform material.

SS10I Stirrers Ordering Information

Cat. No.	System Descr.	Speed Range (RPM)	No. Pos.	Nom. Stir Vol. per Pos.	Max. Vessel (Diam) (mm)	Dimen. LxWxH (mm)	Wgt. (kg)	Motor Type	Power
440812	1 x 10L	10-150	1	10L	280	260x 260 x 70	2.6	DC, Stepper	120V/ 60Hz

SS4I Stirrers



Four position slow speed stirrer with integral control to accommodate up to four 1L vessels. Multiple positions allow the user to duplicate stirring conditions in up to four vessels. Integral speed control and glass filled resin platform material.

SS4I Stirrers Ordering Information

Cat. No.	System Descr.	Speed Range (rpm)	No. Pos.	Nom. Stir Vol. per Pos.	Max. Vessel (Diam) (mm)	Dim. LxWxH (mm)	Wgt. (kg)	Motor Type	Model	Power
440814	4 x 1L	10-150	4	1L	130	260 x 260 x 70	3	DC, Stepper	SS4I	120V/ 60Hz

MP4I, MP5I, MP9I Multiple Position Stirrers with Integral Control



Corning now offers stirrers that stir up to nine vessels at the same time. These stirring platforms come in 4, 5, and 9 position models. The four position model is available with integral or remote control. The four position remote control unit is controlled by a 12VDC remote controller so that it can be controlled from outside a fume hood or incubator. The unit's magnets and DC motor provide smooth, well coupled stirring up to 2,000 rpm. The speed of all positions on the units is set simultaneously with either the integral knob or remote controller. Integral speed control and glass-filled resin platform material.

Multiple Position Stirrers Ordering Information

Cat. No.	Model	Power	System Descr.	Speed Range (rpm)	No. Pos.	Nominal Stir. Vol. per Pos.	Max. Vessel (Diam) (mm)	Dimen.	Wgt. (kg)	Motor Type
440824	MP4I	120V/ 60Hz	4 x 1L	350- 2000	4	1L	130	260 x 260 x 70	3.1	DC
440825	MP5I	120V/ 60Hz	5 x 400 mL	350- 2000	5	400 mL	95	260 x 260 x 70	3.2	DC
440826	MP9I	120V/ 60Hz	9 x 250 mL	350- 2000	9	250 mL	75	260 x 260 x 70	3.8	DC

Stir Bars and Stir Bar Retriever



Corning® magnetic stir bars are polytetrafluorethylene (PTFE)-coated for increased chemical resistance. The Corning stir bar retriever contains a strong magnet to remove a stir bar from all glass and plastic containers used in the laboratory. The container must be taken off the magnetic stirrer before using the retriever as the high powered magnet in the stirrer cancels out the one in the retriever. The handle is designed for ergonomic and easy retrieval.

Cat. No.	Description	Use with Model	Qty/Pk	Qty/Cs
400430	Stir Bar, 3/8" x 2"	PC-610/620	1	1
401435	Stir Bar, 3/8" x 1"	PC-210/220/410/420	1	1
6970SR	Magnetic Stir Bar Retriever	All Corning Stirrers and Hot Plate/Stirrers	1	1

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