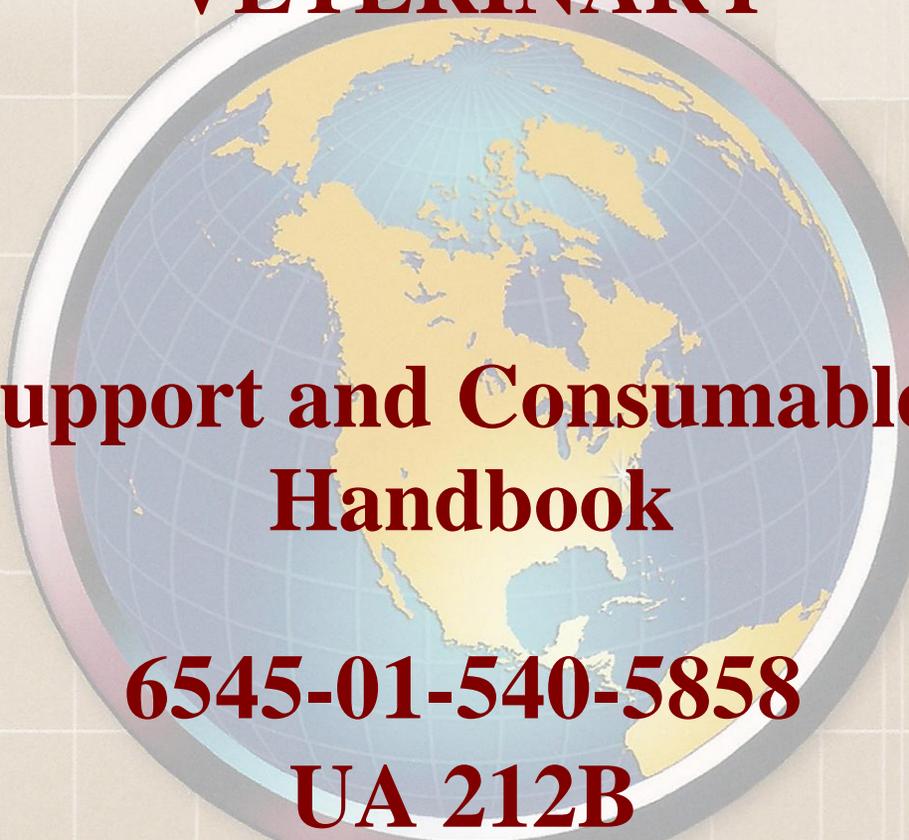


**MEDICAL EQUIPMENT
SET ENDEMIC DISEASE
VETERINARY**



**Support and Consumables
Handbook**

6545-01-540-5858

UA 212B

LIN M37839

Semper Responsus

REVISED

January 2013

U.S. Army Medical Materiel Agency

The information contained in this manual was prepared by the

U.S. Army Medical Materiel Agency
Office of PM, Medical Devices
Acquisition Information Division
693 Neiman Street
Fort Detrick, MD 21702-5001

This manual is a living document and may contain inaccuracies due to changes in mission requirements or equipment updates. To report corrections or additions please contact:

Customer Relationship Management
301-619-1288/4301, DSN 343-1288/4301, or at:

USAMMACRM@amedd.army.mil

**For additional equipment item information, visit the
USAMMA Medical Equipment Literature section on the web at
<<http://www.usamma.amedd.army.mil/med equip lit cdroms.cfm>>**

**Review the Master Table of Contents for all of the
published USAMMA Medical Equipment CDs at
<<http://www.usamma.amedd.army.mil/assets/docs/Master%20Table%20of%20Contents.pdf>>**

**You can also order a copy of each published CD by completing and submitting the form at
<<http://www.usamma.amedd.army.mil/CDROM Requests form.cfm>>**

**NOTE: CLICK ON TITLE
FOR DIRECT LINK**

TABLE OF CONTENTS

SECTION	DEVICE	NSN	PAGE
1	BALANCE ELECTRONIC	(L) 6670-01-461-2309	1
2	CENTRIFUGE LABORATORY 18IN-WIDE ALLEGRA	(L) 6640-01-599-0527	5
3	CONDENSER LAB	(L) 6640-01-467-4853	13
4	INCUBATOR, DRY HEAT	(J) 6640-01-564-7932	17
5	ROTATOR LABORATORY	(L) 6640-01-532-0227	23
6	STIRRER-HOT PLATE MAGNETIC LABORATORY	(L) 6640-00-113-8336	27
7	TANK STORAGE LIQUID NITROGEN	(L) 3655-01-461-9578	31
8	VORTEX MIXER LABORATORY RECIPROCATING	(J) 6640-00-926-1290	35
9	WATER BATH ELECTIC CRS (NEEDS START-UP)	(Z) 6640-00-765-0621	39

Please provide all comments at the website link listed below.

https://ice.disa.mil/index.cfm?fa=card&site_id=750&service_provider_id=102377

Select: EQUIPMENT PUBLICATIONS BUTTON AT TOP OF FORM

BALANCE ELECTRONIC

TOC

DISTRIBUTOR: THOMAS SCIENTIFIC

MANUFACTURER: A & D WEIGHING

Distributor Model# 1326B43

Manufacturer Model# EK-120I

Distributor's PHONE: (856) 467-2000 FAX: (856) 467-3087

Manufacturer's PHONE: (408) 263-5333 FAX: (408) 263-0119

Distributor's Website: <http://www.ThomasSci.com>

Manufacturer's Website: <http://www.AndWeighing.com>

Item Web Link:

http://www.andonline.com/weighing/products/details.php?catname=Balances&product_num=EK/EW-i_Series

AAC 'L' ITEM NSN 6670-01-461-2309

ECAT Item Number: 1556413

UAs: 211B, 212B, 215B, 220B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$570.64

System Description: This is a battery-operated, compact, digital, top-loading balance. Weighing less than two pounds, it is light-weight and easy to move. Sealed keypad, large 16 mm backlit LCD, and small footprint are perfect for laboratory or institutional use. Balance comes with stainless steel weighing pan and AC adapter. Units of measure choices include: gram, decimal, ounce, carat, pennyweight, troy ounce, grain, momme, percentage, and counting comparator.

- Features:**
- Capacity: 120 g (4.23 oz or 0.264 lb)
 - Resolution: 0.01 g
 - Max count (pieces): 12,000
 - Min unit weight: 0.01 g
 - Min division: 0.1%
 - Min 100% weight: 10 g
 - Pan size: 110 mm (4.3") diameter
 - Stabilization time of 2 seconds
 - Display refreshes 10 times per second
 - Counting function with Automatic Counting Accuracy Improvement
 - Control zero, mode selection, and data export with standard (RS232C) output cable
 - Conformity to GLP (good laboratory practices) with ID and serial number outputs
 - Full digital calibration
 - Overload protection
 - Auto-off
 - Security ring to prevent theft
 - Built-in level bubble and leveling feet



BALANCE ELECTRONIC AUTOMATIC DIGITAL COMPACT LIGHT-WEIGHT DESIGN
NSN 6670014612309

Weighing Range
(EW-i series only)
Triple range indication

ACAI
Automatic Counting
Accuracy Improvement

HI/OK/LO
Comparator Annunciator

Sample
Register a sample count or
100% in percentage

Print
Transmit data to printer
or computer



Multi weighing units

- | | |
|--------------------------|---------------------|
| oz — Ounce (av) | g — Gram |
| ozt — Troy ounce | ct — Carat |
| tl — Tael | mom — Momme |
| lb — Pound (av) | pcs — Pieces |
| GN — Grain unit | % — Percent |
| dwt — Pennyweight | |

BALANCE DISPLAY DETAIL

**BALANCE ELECTRONIC
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	2.6
	Width (Inches)	7.5
	Length (Inches)	8.6
	Cube (Cubic Feet)	0.097
	Weight	1.8 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		14 to 104 °F
Storage Humidity		Less than 85%
Operating Humidity		Less than 85%
Amps		
Watts		
Power Requirements	120 VAC used with AC adapter cord Rechargeable battery pack (Ni-MH); max use: 9 hours with full charge	
Notes		

**BALANCE ELECTRONIC
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN A & D Weighing	DIST PN Thomas Scientific	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6670014612309		Balance Electronic		EK-120i	1	EA	\$570.64	\$570.64	N/A
	Awaiting NSN	AC Adapter		TB-163	1	EA	Incl w/NSN 2309	Incl w/NSN 2309	N/A
	Awaiting NSN	Battery Ni-MH rechargeable		EKW-09i	1	EA	Incl w/NSN 2309	Incl w/NSN 2309	N/A
NSN Not Required	Download Below	Literature Operator			1	EA	Incl w/NSN 2309	Incl w/NSN 2309	N/A

**BALANCE ELECTRONIC
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN A & D Weighing	DIST PN Thomas Scientific	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	AC Adapter		TB-163	1	EA	\$0.00	\$0.00	N/A
	Awaiting NSN	Battery Ni-MH rechargeable		EKW-09i	1	EA	\$0.00	\$0.00	N/A
NSN Not Required	Download Below	Literature Operator			1	EA	\$0.00	\$0.00	N/A

**BALANCE ELECTRONIC
WEB LINKS**

[Click Below for Instruction Manual](#)

http://www.andonline.com/uploads/documents/EKW-i_IM.pdf

CENTRIFUGE LABORATORY 18IN-WIDE ALLEGRA

[TOC](#)

DISTRIBUTOR: GSS INC.

MANUFACTURER: BECKMAN COULTER, INC.

Distributor Model# BECB06314PACKAGEEA

Manufacturer Model# B06314

Distributor's PHONE: (703) 734-1805 FAX: (703) 734-1803

Manufacturer's PHONE: (714) 961-4614 FAX: (714) 961-4158

Distributor's Website: <http://www.govsci.com>

Manufacturer's Website: <http://www.beckmancoulter.com>

Item Web Link:

<https://www.beckmancoulter.com/wsrportal/wsr/research-and-discovery/products-and-services/centrifugation/allegra-x-30-series/index.htm>

AAC 'L' ITEM NSN 6640-01-599-0527

UAs: 212B, 213B, 220B, N403, N436, N503, N703

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$9,158.37

System Description: This centrifuge is ideal for pelleting, binding studies, nucleic acid precipitation, immunoassays, protein extraction and concentration, and sample preparation. It features a brushless induction drive motor which provides quiet, maintenance-free operation. Digital displays indicate actual speed, set speed, and rotor imbalance. The centrifuge also features multiple acceleration and deceleration rates. Optional rotors spin 250 µL tubes to 180 mL bottles, in addition to microtiter and deep-well plates. An automatic sensor blocks centrifuge operation until the door is locked. Once in operation, the sensor releases the door lock only when the centrifuge has stopped.

Features:

- 11 Rotor Library
- Achieve up to 19,309 x g

3 different ways to Spin 1.5 mL & PCR Tubes

- 24-place fixed-angle Rotor - 22,065 x g
- 30-place Fixed-angle Rotor - 21,952 x g
- 24-place Swinging-bucket Rotor - 16,244 x g for Flat Pelleting

One Rotor Spins 500 µL to 250 mL

- 4 x 250 mL - Maximum Capacity
- 4,500 rpm - 3,901 x g - Maximum g-Force
- 18 different adapters.
- Spins the following labware
 - 250 mL Bottles
 - 100 mL, 94 mL, 85 mL Bottles
 - 50 mL Conical and Round-bottom Tubes
 - 15 mL Conical and Round-bottom Tubes
 - 30 mL, 25 mL, 10 mL Tubes
 - 1.5 mL and 500 µL PCR Tubes



**CENTRIFUGE LABORATORY 18IN-WIDE ALLEGRA X-30
PART # B06314
NSN 6640015990527**



**4X250 ML SWINGING BUCKET ROTOR
PART # 392243
NSN 6640015286256**



**ADAPTER TUBE CONICAL 3 PLACE 50ML
PART # 392258
NSN 6640015294252**



**ADAPTER TUBE CONICAL 5 PLACE 15ML
PART # 392257
NSN 6640015697084**



**ADAPTER BOTTLE FLAT 250 ML
PART # 392256
NSN 6640015695433**

**CENTRIFUGE LABORATORY 18IN-WIDE ALLEGRA
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	14
	Width (Inches)	18.125
	Length (Inches)	21.687
	Cube (Cubic Feet)	3.1847
	Weight	106 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		Ambient
Storage Humidity		5 to 95%
Operating Humidity		< 80% Non-condensing
Amps		4.5
Watts		540
Power Requirements	120 VAC, 60Hz	
Notes	<ul style="list-style-type: none"> ● Maximum Speed 14,500 rpm ● Maximum Capacity 4 x 250 mL ● Maximum RCF 19,309 ● Timer Up to 9 hrs 59 min 	

**CENTRIFUGE LABORATORY 18IN-WIDE ALLEGRA
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Beckman Coulter, Inc.	DIST PN GSS Inc.	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015990527		Centrifuge Laboratory 18in- Wide Allegra	B06314	BECB0631 4PACKAG EEA	1	EA	\$9,158.37	\$9,158.37	N/A
	Awaiting NSN	Bolt, Tie down for Rotor	361637		1	EA	Incl w/NSN 0527	Incl w/NSN 0527	N/A
	Awaiting NSN	Lubricant Spinkote	306812		1	EA	Incl w/NSN 0527	Incl w/NSN 0527	N/A
	Awaiting NSN	Wrench T Handle for Tie Down Bolt	361371		1	EA	Incl w/NSN 0527	Incl w/NSN 0527	N/A
6640015286238		Bucket Covers for SX4250	392266		1	4/SE	Incl w/NSN 0527	Incl w/NSN 0527	N/A
6640015286256		Rotor Swinging Bucket 4x250ml	392243		1	EA	Incl w/NSN 0527	Incl w/NSN 0527	N/A
6640015294252	See Additional Note Below	Adapter Tube Conical 3 place 50 mL	392258		2	EA	Incl w/NSN 0527	Incl w/NSN 0527	N/A
6640015695433		Shield, Laboratory Centrifuge Adapter Bottle Flat 250 mL	392256		2	2/PG	Incl w/NSN 0527	Incl w/NSN 0527	N/A
6640015697084	See Additional Note Below	Adapter Tube Conical 5 place 15 mL	392257		2	EA	Incl w/NSN 0527	Incl w/NSN 0527	N/A
NSN Not Required		Literature, Maintenance	679059		2	EA	Incl w/NSN 0527	Incl w/NSN 0527	N/A
NSN Not Required		Literature, Operator			1	EA	Incl w/NSN 0527	Incl w/NSN 0527	N/A
NSN Not Required		Power Cord	392227		1	EA	Incl w/NSN 0527	Incl w/NSN 0527	N/A

**CENTRIFUGE LABORATORY 18IN-WIDE ALLEGRA
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Beckman Coulter, Inc.	DIST PN GSS Inc.	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640004142000		Tube Centrifuge Glass 116mm lg 15ml	NNNT780		1	12/PG	\$19.68	\$19.68	N/A
6640011635451		Tube Centrifuge Plastic K8 Threaded Top 115MM O/A LG 50ML Cap Ster	2098		1	500/PG	\$67.32	\$67.32	N/A
6640014602257		Rotor Centrifuge Horizontal 4Place 4Buckets w/Screw on Domes	20673-343		1	EA	\$1,759.62	\$1,759.62	N/A
6640014724287		Adapter Centrifuge Brown 12in X 15in f/Centrifuge Tube	20300-254		1	EA	\$95.65	\$95.65	N/A
6640015286238		Bucket Covers for SX4250	392266		1	4/SE	\$162.00	\$162.00	N/A
6640015286256		Rotor Swinging Bucket 4x250ml	392243		1	EA	\$2,058.00	\$2,058.00	N/A
6640015294252	See Additional Note Below	Adapter Tube Conical 3 place 50 mL	392258		1	2/PG	\$371.00	\$371.00	N/A

ACCESSORIES & CONSUMABLES - RESUPPLY

NSN	Notes	Nomenclature	MFR PN Beckman Coulter, Inc.	DIST PN GSS Inc.	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015695433		Shield, Laboratory Centrifuge Adapter Bottle Flat 250 mL	392256		1	2/PG	\$371.00	\$371.00	N/A
6640015697084	See Additional Note Below	Adapter Tube Conical 5 place 15 mL	392257		1	2/PG	\$371.00	\$371.00	N/A
NSN Not Required		Literature, Maintenance	679059		1	EA	\$709.00	\$709.00	N/A
NSN Not Required		Literature, Operator			1	EA	\$0.00	\$0.00	N/A

CENTRIFUGE LABORATORY 18IN-WIDE ALLEGRA

ADDITIONAL NOTE:

Start-up quantity or unit of issue is different from Resupply quantity/unit of issue.

CONDENSER LAB

TOC

MANUFACTURER: THOMAS SCIENTIFIC

Manufacturer Model# 4358L04

Manufacturer's PHONE: (856) 467-2000 FAX: (856) 467-3087

Manufacturer's Website: <http://www.ThomasSci.com>

AAC 'L' ITEM NSN 6640-01-467-4853

UAs: 212B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$3,730.00

System Description: This laboratory condenser has an adjustable rotation speed of 5 to 240 rpms. Its sample volume ranges from 50 mL to 3 L.

Features:

- Safety coated glassware
- Larger bath has external insulation to prevent accidental contact with stainless steel reservoir
- Servo-jack raises and lowers evaporator effortlessly



**CONDENSER LABORATORY
PART # 4358L04
NSN 6640014674853**

**CONDENSER LAB
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	24
	Width (Inches)	20
	Length (Inches)	15
	Cube (Cubic Feet)	4.1667
	Weight	2.25 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		
Watts		120
Power Requirements	120 VAC	
Notes		

**CONDENSER LAB
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Thomas Scientific	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640014674853		Condenser Lab	4358L04		1	EA	\$3,730.00	\$3,730.00	N/A

**CONDENSER LAB
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

INCUBATOR, DRY HEAT

[TOC](#)

DISTRIBUTOR: GSS INC.

MANUFACTURER: BOEKEL SCIENTIFIC

Manufacturer Model# 113002

Distributor's PHONE: (703) 734-1805 FAX: (703) 734-1803

Manufacturer's PHONE: (215) 396-8200 FAX: (215) 396-8264

Distributor's Website: <http://www.govsci.com>

Manufacturer's Website: <http://www.boekelsci.com/index.html>

Item Web Link:

http://www.boekelsci.com/pages/products/drybath/pro_drybath_over.html

AAC 'J' ITEM NSN 6640-01-564-7932

UAs: 211B, 212B, 221B, 263C, 504B, N503, N703

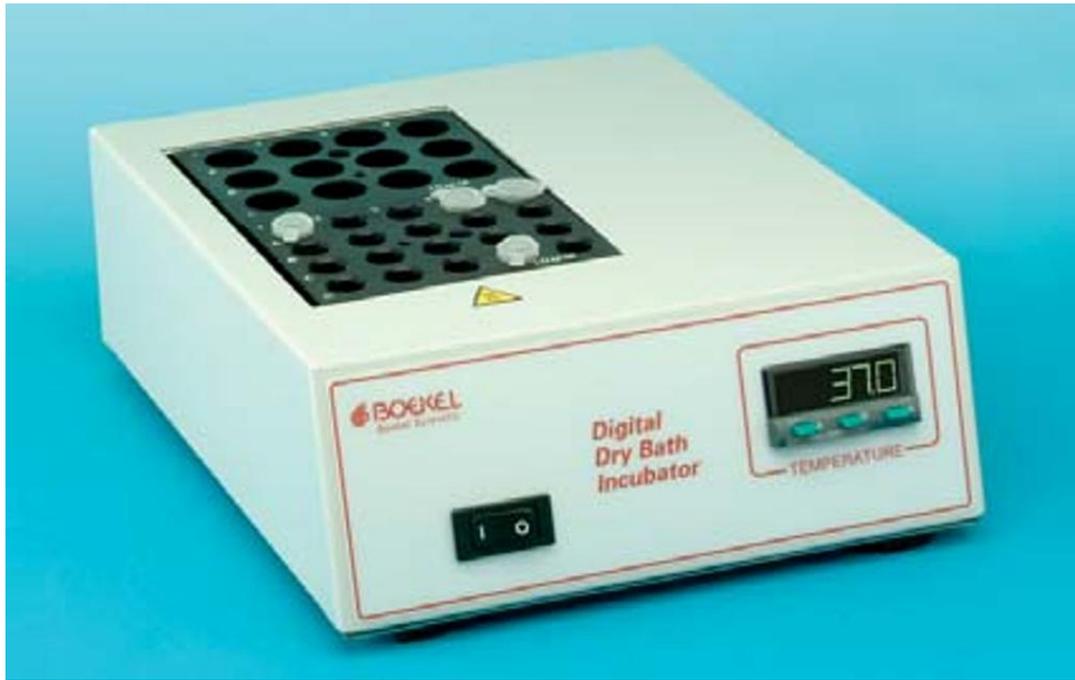
USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$735.40

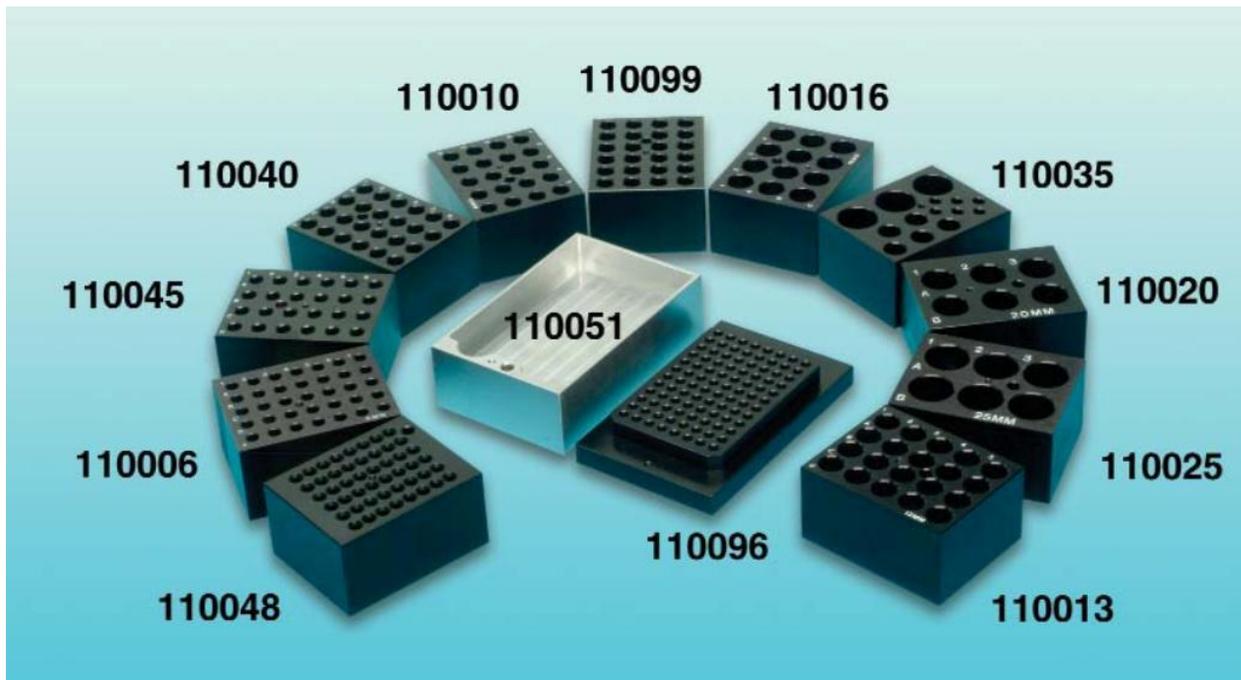
System Description: Designed to accommodate an assortment of interchangeable Heating Block Modules. Incorporates a proportional integrative derivative (PID) controller for easy temperature selection, rapid heat-up and superb stability. Temperature uniformity is ± 0.25 °C @ 37 °C (± 0.45 °F @ 98.6 °F). The large LED display is easily seen throughout the lab.

Features:

- Temperature set in 0.1 °C increments (0.18 °F) up to 120 °C (248 °F)
- PID Microprocessor controlled temperature selection
- Large LED Display
- Blocks are interchangeable between Analog and Digital Models
- "Set it and forget it" convenience
- Superb temperature stability
- Supplied with block extractor rod



INCUBATOR, DRY HEAT
PART # 113002
NSN 6640015647932



INCUBATOR BLOCKS
PART # 110013
110013 only is included with Incubator



**HEATER BLOCK, 13MM 20 TUBES
PART # 110013
NSN 6640015695500**

**INCUBATOR, DRY HEAT
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	3.5
	Width (Inches)	8
	Length (Inches)	9.8
	Cube (Cubic Feet)	0.1588
	Weight	5 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	5 lbs
Storage Temp		
Operating Temp		0.1 to 120 °C (0.18 to 248 °F)
Storage Humidity		
Operating Humidity		
Amps		1.74
Watts		200
Power Requirements	115 VAC, 50/60Hz	
Notes	Uniformity ± 0.25 °C @ 37 °C (± 0.45 °F @ 98.6 °F)	

**INCUBATOR, DRY HEAT
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Boekel Scientific	DIST PN GSS Inc.	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015647932		Incubator, Dry Heat	113002	BOE11300 2BOMEA	1	EA	\$735.40	\$735.40	N/A
6640015695500		Heater Block, 13mm 20 Tube	110013		2	EA	Incl w/NSN 7932	Incl w/NSN 7932	N/A

**INCUBATOR, DRY HEAT
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Boekel Scientific	DIST PN GSS Inc.	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015695500		Heater Block, 13mm 20 Tube	110013		1	EA	\$66.47	\$66.47	N/A

ROTATOR LABORATORY

[TOC](#)

MANUFACTURER: BARNSTEAD THERMOLYNE CORP

Manufacturer Model# 2314Q

Manufacturer's PHONE: (563) 556-2241 FAX: (563) 589-0516

Manufacturer's Website: <http://www.barnsteadthermolyne.com>

Item Web Link:

<http://www.fishersci.com/ecom/servlet/fsproductdetail?storeId=10652&productId=4481348&catalogId=29104&matchedCatNo=1167152Q&endecaSearchQuery=%23store%3DScientific%23N%3D0%23rpp%3D15&fromSearch=1&searchKey=2314Q&highlightProductsItemsFlag=Y>

AAC 'L' ITEM NSN 6640-01-532-0227

UAs: 211B , 212B , 504B , N403 , N503 , N703

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$884.00

System Description: Designed to provide long life and dependable service in a variety of applications, particularly molecular biology, immunology, and clinical usage. Ideal for general rotation of many types and sizes of vessels including plastic/glass trays, vials, petri dishes, microwell plates, culture plates, slides, test tubes, and agglutination cards. Variable speed, rotates from 40 to 220 rpm for gentle to vigorous agitation, adjustable with a rotary dial. Platforms with non-slip surface mats. Operate rotator in continuous mode or set timer from 1 to 60 minutes for time studies. Continuous-duty motor provides smooth, quiet rotation through a 0.75 inch (1.9 cm) orbit. Easy-to-clean white silicone platform mat can be autoclaved. Units operate continuously, enabling them to be used in a variety of environments such as incubators, warm rooms, environmental chambers, and refrigerators. Accommodates loads up to 10 lbs (4.5 kg).



ROTATOR LABORATORY
PART # 2314Q
NSN 6640015320227

**ROTATOR LABORATORY
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	4.25
	Width (Inches)	12.25
	Length (Inches)	15.6
	Cube (Cubic Feet)	0.47
	Weight	17 lbs
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		59 to 104 °F
Operating Temp		39.2 to 104 °F
Storage Humidity		80% Max. Non-Condensing
Operating Humidity		20 to 80% Non-Condensing
Amps		0.4
Watts		50
Power Requirements	120 VAC, 50/60 Hz	
Notes		

**ROTATOR LABORATORY
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Barnstead Thermolyn e Corp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015320227		Rotator Laboratory	2314Q		1	EA	\$884.00	\$884.00	N/A
NSN Not Required		Literature, Manual	057-325-00		1	EA	Incl w/NSN 0227	Incl w/NSN 0227	N/A

**ROTATOR LABORATORY
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Barnstead Thermolyn e Corp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
NSN Not Required		Literature, Manual	057-325-00		1	EA	\$30.00	\$30.00	N/A

STIRRER-HOT PLATE MAGNETIC LABORATORY

[TOC](#)

MANUFACTURER: BARNSTEAD THERMOLYNE CORP

Manufacturer Model# SP18425Q

Manufacturer's PHONE: (563) 556-2241 FAX: (563) 589-0516

Manufacturer's Website: <http://www.barnsteadthermolyne.com>

Item Web Link:

<http://www.thermoscientific.com/ecom/servlet/productsdetail?productId=11953002&groupType=PRODUCT&searchType=0&storeId=11152&from=search>

AAC 'L' ITEM NSN 6640-00-113-8336

UAs: 211B , 212B , 213B , 214B , 215B , 217B , 220B , N436

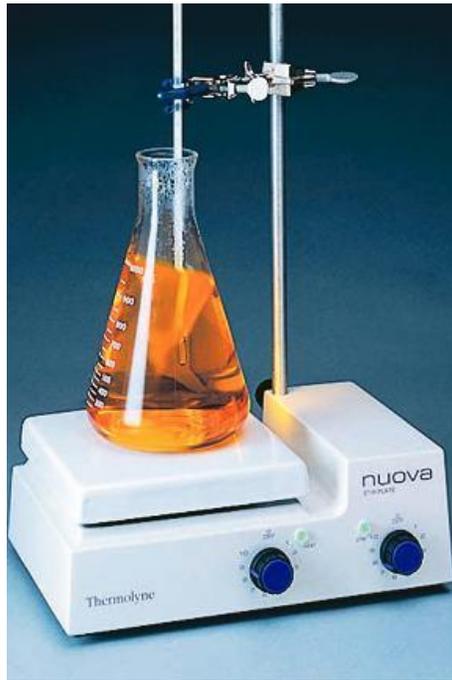
USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$406.24

System Description: Reaches maximum temperature in just eight minutes. Embedded heating element ensures even heat distribution. Temperatures are held within ± 5 °C (± 9 °F) at 371 °C (700 °F). Uses eddy current device for improved stirring control at low speeds. Starting torque overcomes static friction of stirring mechanism. Reaches set speed immediately. Includes an integral ring stand holder to accommodate a 1/2 inch diameter (1.3 cm) support rod. Maximum load 20 lbs (9.1 kg). Recommended for use with glass vessels only. With enameled diecast aluminum case.

- Features:**
- Die cast aluminum case provides durability and long life
 - Porcelain-coated stainless steel top gives you excellent corrosion resistance
 - One inch topside drip edge protects internal components in case of accidental spillage
 - Compact, low profile design fits on the most crowded lab bench
 - All units include an integral ring stand holder to accommodate a half inch diameter support rod
 - Accommodates up to 20-lb loads
 - Demand-type thermostatic temperature control senses top plate temperature, providing excellent temperature stability
 - Low temperature control: 38 °C (100.4 °F) makes the Nuova hotplate the perfect choice for warming applications
 - Recommended for use with glass vessels only

NOTE: Alert: Recommended for use with glass vessels only.



**STIRRER-HOT PLATE MAGNETIC LABRATORY
PART # SP18425Q
NSN 6640001138336**

**STIRRER-HOT PLATE MAGNETIC LABORATORY
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	4.5
	Width (Inches)	11.8
	Length (Inches)	8.6
	Cube (Cubic Feet)	0.2643
	Weight	
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	11 lbs
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		7.3
Watts		858
Power Requirements	120 VAC, 60 Hz	
Notes		

**STIRRER-HOT PLATE MAGNETIC LABORATORY
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Barnstead Thermolyn e Corp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640001138336		Stirrer-Hot Plate Magnetic Laboratory	SP18425Q		1	EA	\$406.24	\$406.24	N/A
6640014734045		Stir Bar Teflon Coated	11-494-19		1	EA	Incl w/NSN 8336	Incl w/NSN 8336	N/A
NSN Not Required		Literature, Operator			1	EA	Incl w/NSN 8336	Incl w/NSN 8336	N/A

**STIRRER-HOT PLATE MAGNETIC LABORATORY
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

TANK STORAGE LIQUID NITROGEN

[TOC](#)

MANUFACTURER: INSTRUMEDICS

Manufacturer Model# THERMO 20

Manufacturer's PHONE: (201) 343-1313 FAX: (314) 522-6360

Item Web Link:

http://www.fishersci.com/wps/portal/SEARCHRESULTS?ru=http%3A%2F%2Fprodwcserver%3A9060%2Fwebapp%2Fwcs%2Fstores%2Fservlet%2FSearch&searchPref=no&position=search&preferProd=unchecked&searchType=Rapid&catalogCode=RE_SC&keyWord=11-670-5C&catCode=ALL

AAC 'L' ITEM NSN 3655-01-461-9578

UAs: 212B, 214B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$1,157.00

System Description: For safe and efficient storage and handling of liquid nitrogen, the Thermo 20 is designed to bring liquid nitrogen to other cryovessels.

- Features:**
- Lightweight, durable aluminum
 - Narrow neck and vacuum insulation keep evaporation rates low
 - Double-wall construction ensures years of trouble-free service



TANK STORAGE LIQUID NITROGEN
PART # Thermo 20
NSN 3655014619578

**TANK STORAGE LIQUID NITROGEN
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	25
	Width (Inches)	14.5
	Length (Inches)	14.5
	Cube (Cubic Feet)	3.0418
	Weight	19 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		
Watts		
Power Requirements	N/A	
Notes	Body Diameter: 14.5 inches (36.8 cm) Neck Diameter: 2 inches (5.1 cm) Capacity: 21 L Static Evap Rate: 0.18 L/day (6 oz/day) Static Holding Time: 117 days Weight Full: 56 lbs (25.4 kg) Weight Empty: 19 lbs (8.6 kg)	

**TANK STORAGE LIQUID NITROGEN
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Instrumedi cs	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
3655014619578		Tank Storage Liquid Nitrogen	Thermo 20		1	EA	\$1,157.00	\$1,157.00	N/A

**TANK STORAGE LIQUID NITROGEN
ITEMS FOUND IN THE UNIT ASSEMBLAGE SUPPORTING THIS ITEM**

NSN	Notes	Nomenclature	MFR PN Instrumedi cs	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640014684180		Thermos Nitrogen f/Storage of Nitrogen 2 Liters	ST		1	EA	\$75.00	\$75.00	N/A

**TANK STORAGE LIQUID NITROGEN
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Instrumedi cs	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640014684180		Thermos Nitrogen f/Storage of Nitrogen 2 Liters	ST		1	EA	\$75.00	\$75.00	N/A

VORTEX MIXER LABORATORY RECIPROCATING

[TOC](#)

MANUFACTURER: FISHER SCIENTIFIC

Manufacturer Model# 12-812

Manufacturer's PHONE: (412) 490-8908 FAX: (412) 490-8717

Manufacturer's Website: <http://www.fishersci.com>

Item Web Link:

http://www.fishersci.com/wps/portal/PRODUCTDETAIL?tab=Items&productId=4989320&fromSearch=Y&highlightProductsItemsFlag=Y&crossRefPartNo=null&crossRefData=null&catlogId=29104&catCode=RE_SC

AAC 'J' ITEM NSN 6640-00-926-1290

UAs: 211B, 212B, 213B, 215B, 217B, 220B, 221B, 913B, 9409, N403, N703

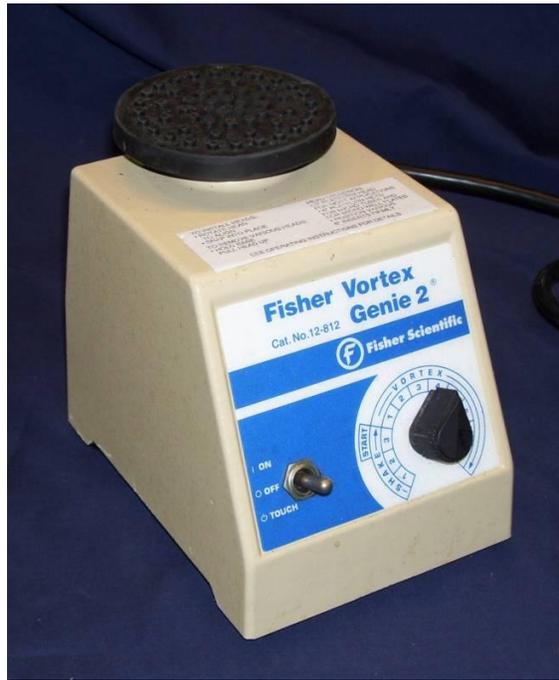
USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$397.61

System Description: Designed for gentle shaking or vigorous vortexing of samples in a wide variety of applications. Use with flasks, beakers, tubes, and microwell plates. Constructed using a heavy base casting with corrosion-resistant enamel finish, units remain stable on work surfaces. The fixed speed vortex mixers are one-touch units designed for high-speed mixing and vigorous vortexing of samples at 3200 rpm. Mixing starts when the head is pressed down. The analog vortex mixers have a variable speed control from 600–3200 rpm, which allows low rpm startup for gentle shaking or high-speed mixing for vigorous vortexing of samples. Units can be operated in touch mode when depressing the cup head or in a continuous mode. Models feature a three-way power switch and a speed knob with variable 1 to 8 dial marks.

Features:

- Variable analog speed control from 600 to 3200 rpm for gentle to vigorous action
- Continuous mode for use with accessory attachments
- Touch mode activated when depressing the cup head
- Three-way power switch



**VORTEX MIXER LABORATORY RECIPROCATING
PART # 12-812
NSN 6640009261290**

**VORTEX MIXER LABORATORY RECIPROCATING
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	6.5
	Width (Inches)	4.75
	Length (Inches)	6.5
	Cube (Cubic Feet)	0.1161
	Weight	10 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	11.7 lbs
Storage Temp		-4 to 149 °F
Operating Temp		39.2 to 104 °F
Storage Humidity		20 to 85% Relative humidity, non-condensing
Operating Humidity		20 to 85% Relative humidity, non-condensing
Amps		1.2
Watts		150
Power Requirements	115 VAC, 50/60Hz	
Notes	Speed Range 600-3200 rpm	

**VORTEX MIXER LABORATORY RECIPROCATING
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Fisher Scientific	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640009261290		Vortex Mixer Laboratory Reciprocating	12-812		1	EA	\$397.61	\$397.61	
	Awaiting NSN	Cup Head	02-215-380		1	EA	Incl w/NSN 1290	Incl w/NSN 1290	N/A
NSN Not Required		Literature Operations			1	EA	Incl w/NSN 1290	Incl w/NSN 1290	N/A

**VORTEX MIXER LABORATORY RECIPROCATING
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Fisher Scientific	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	Cup Head	02-215-380		1	EA	\$20.40	\$20.40	N/A
NSN Not Required		Literature Operations			1	EA	\$0.00	\$0.00	N/A

WATER BATH ELECTIC CRS (NEEDS START-UP)

TOC

**DISTRIBUTOR: THERMO SCIENTIFIC
MANUFACTURER: LAB-LINE INSTRUMENTS INC.**

Manufacturer Model# 18005

Distributor's PHONE: (781) 622-1000 FAX: (781) 622-1207

Manufacturer's PHONE: (563) 556-2241 FAX: (563) 589-0516

Distributor's Website: <http://www.thermo.com/>

Manufacturer's Website: <http://www.labline.com>

Item Web Link:

<http://www.thermoscientific.com/wps/portal/ts/products/detail?productId=11954792&groupType=PRODUCT&searchType=0>

AAC 'Z' ITEM NSN 6640-00-765-0621

UAs: 212B, 214B, 221B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$548.41

System Description: General purpose water bath to meet multiple application needs. Unit's exterior remains cool to the touch to prevent accidental burns, even after extended use. Temperature resistant plastic rim fits over seamless stainless steel reservoir for a leak-free seal. Stainless steel exterior shell resists corrosion and has a tough enamel coating that cleans easily. Rounded, seamless stainless steel reservoir and sample tray resist rust and contamination. Hinged clear acrylic gable cover has fins to protect hands from hot vapors. Temperature range from ambient to 212 °F (100 °C). Independent high-limit thermostat provides over-temperature protection. Heating elements will not burn out if unit accidentally runs dry.

Features:

- Precise temperature control to 212 °F (100 °C)
- Wide Selection and Great Value – Models from 2 to 44 L, including shallow form
- Built-in Safety – Dual thermostats prevent overheating
- Simple Maintenance – Rounded stainless steel interiors and drain pumps



**WATER BATH ELECTRIC
PART # 18005
NSN 6640007650621**

**WATER BATH ELECTIC CRS (NEEDS START-UP)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	8.9
	Width (Inches)	15.4
	Length (Inches)	16.4
	Cube (Cubic Feet)	1.3008
	Weight	16.5 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		4.16
Watts		500
Power Requirements	120 VAC, 60 Hz	
Notes		

**WATER BATH ELECTIC CRS (NEEDS START-UP)
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Lab-Line Instrument s Inc.	DIST PN Thermo Scientific	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640007650621		Water Bath Electic CRS (Needs Start-up)		18005	1	EA	\$548.41	\$548.41	N/A

**WATER BATH ELECTIC CRS (NEEDS START-UP)
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

