



Cell Culture Equipment

Accessories & Supplies





CHEMcell® Rocker BioReactor System

Provides increased flexibility with modular format, optional trays and accessories.



CLS-1200-100 Base

CLS-1200-250
CLS-1200-300
Rocker Trays

Position Control
Load - Harvest - Run

Speed Control
2 to 40 per minute

Tray Angle Control
2 to 12°

Digital Display
Bright and Easy-to-Read

- Adjustable tray angle
- Variable speed rocking
- Quiet operation
- Optional vent heater
- Two-year warranty



Easy Bag Installation

Increased flexibility with modular format, optional trays and accessories.

Modular benchtop bioreactor system consists of a heavy-duty base unit and a choice of stainless steel rocker trays. Engineered for durability, it can be used in both research and development as well as production environments. The smooth rocking motion provides gentle, efficient mixing and gas transfer. Designed for optimal performance with Chemglass 8-port and 6-port cell culture bags but easily accepts other manufacturers' bags having the same dimensions. The optional bag and vent heater, made for use with both size trays, keeps vent filters free of harmful condensation that can clog filters and compromise cultures.

NOTE: Temperature controller, **CLS-1200-2CH**, must be purchased separately.

Specifications	CHEMcell Base	20 Liter Tray	50 Liter Tray
Weight (lbs)	45	22	34
Dimensions (L x W x H) inches / centimeters	19.5 x 16.6 x 6.5 49.53 x 42.16 x 16.51	21 x 27 x 2.5 53.35 x 68.58 x 6.35	27 x 30 x 2.5 68.58 x 76.2 x 6.35
Rocking Rate (per min.)	2 - 40	—	—
Rocking Angle (°)	2 - 12	—	—
Electrical	110-120V, 480W	—	—

CHEMcell BioReactors

Part No.	Description	Price
CLS-1200-100	CHEMcell® Rocker BioReactor Base Only	\$8,053.90 ♥
CLS-1200-250	CHEMcell® Rocker Tray, 10-20 Liter, Complete, With heater and PT100 Thermocouple	\$3,451.70 ♥
CLS-1200-300	CHEMcell® Rocker Tray, 20-50 Liter, Complete, With heater and PT100 Thermocouple	\$4,027.00 ♥

♥ Life Science LM Product Line

* Life Science Equipment Product Line ♥ Bioreactor Reactor Product Line.

Vent Heater for Use with Temperature Controller (CLS-1200-2CH)

Vent heater for use with rectangular filters measuring 40 x 70mm.

Vent Heater

Part Number	Description	Qty.	Price
CLS-1200-FH	Vent Heater, 4 Watt	1	\$346.50 ♥



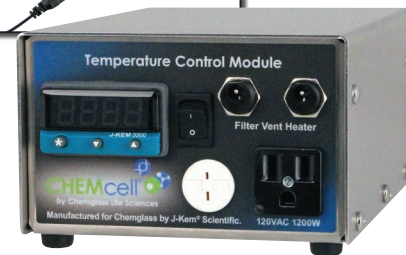
CLS-1200-FH Vent Heater

Temperature Controller, J-KEM®

Controls heaters on both size trays along with vent heater.

Temperature Controller

Part Number	Description	Qty.	Price
CLS-1200-2CH	Temperature Controller	1	\$1,680.40 ♥



CLS-1200-2CH Temperature Controller

Gas Mixing Module, CHEMcell™

The CHEMcell gas mixing module with touchscreen display is used for accurate mixing of two gases. It utilizes two Alicat gas flow controllers with built-in back pressure sensors for safe operation with a disposable bag or bioreactor. Flow rates are up to 1.1 liters per minute maximum. Gas totalizers allow you to track the total flow during the cell culture run.

Gas Mixing Module

Part No.	Description	Qty.	Price
CLS-1200-GMM	Gas Mixing Module	1	\$12,313.30 ♥



Gas Mixing Module

CLS-1200-GMM

Air Pump for Cell Culture Rocker Bags

Air pump used to inflate cell culture bags for the CHEMcell Rocker Bioreactor System, CLS-1200-series. Pump has an output of 110 liters per hour and two outlets to inflate two bags. Supplied with one tubing kit comprised of 5ft of 1/8"ID x 1/4"OD tubing and two quick-connect adapters used to connect to the filter inlets on the cell culture bags.

Air Pump Kit Complete

Part No.	Description	Price
CLS-1200-AP	Air Pump Kit Complete with 1 Tubing Kit	\$66.20 *
CLS-1200-TK	5ft Tubing Kit with Two Luer Connectors	\$13.80 *



CLS-1200-AP

Bags, Cell Culture, Ultra Clear, 6-Port, Compatible with GE Wave™ Rocking Platforms, Cell Culture Bag

Culture bags are manufactured from ultra clear Flex 600 robust film and gamma irradiated. The film meets USP Class VI specifications and is contamination free. The inner product contact material is low density polyethylene. All bags and components content materials are USP Class VI tested. Excellent choice for mammalian and plant culture cell lines with extended mixing times.

Six-Port, Ultra Clear, CellGrow™ Cell Culture Bags

Cap. (L)	No. of Ports	Single Bags		Packs of Ten Bags	
		Part No.	Price	Part No.	Price
10	6	CLS-1207-10	\$461.50 ♥	CLS-1207-10M	\$3,519.35 ♥
20	6	CLS-1207-20	\$496.70 ♥	CLS-1207-20M	\$3,745.00 ♥
22	6	CLS-1207-22	\$505.90 ♥	CLS-1207-22M	\$3,793.30 ♥
50	6	CLS-1207-50	\$618.20 ♥	CLS-1207-50M	\$4,709.15 ♥



CLS-1207-series

J-KEM® is a trademark of J-KEM Scientific.



CLS-4033-100

VERSA-ROCK Rocker

- 24V Brushless DC Motor and Speed Controller for low maintenance
- Digital Speed Display
- Locking Speed Control Knob
- Peg and Grommet Tray Design
- Two-Year Warranty

The Versa-Rock is a digital slow-speed rocker for general laboratory cell culture work. The low profile design incorporates a rocking platform that accepts a variety of optional trays. The Peg and Grommet style trays make changing convenient and interchangeable with other similar trays. Trays with liners sold separately.

Note: Trays are not supplied with base and must be purchased separately.

VERSA-ROCK Digital Rocker, Base Only

Part No.	Voltage	Price
CLS-4033-100	120	\$3,335.50 *

Aluminum Trays with Liners for VERSA-ROCK Digital Rockers

Part No.	Dimensions (in.)	Price
CLS-4021-1212	12 x 12	\$121.70 *
CLS-4021-1515	15 x 15	\$160.70 *
CLS-4021-2020	20 x 20	\$177.10 *
CLS-4021-2030	20 x 30	\$418.20 *

Stackable Tray Kits with Liners for VERSA-ROCK Digital Rockers

Part No.	Dimensions (in.)	Price
CLS-4021-0001	12 x 12	\$223.30 *
CLS-4021-0003	15 x 15	\$273.20 *
CLS-4021-0005	20 x 20	\$309.10 *

Sticky Pads

Sticky pad is an ideal alternative to flask clamps for securing vessels to a shaker platform. The mat is designed for use with containers with a flat wide base. It is ideal for containers such as bottles and dishes that cannot be held with traditional flask clamps. With shake flasks the pad can be used at speeds up 200 or 300 rpm (see chart below), from -30 to 70°C. It can be regenerated for reuse by simply washing it with mild detergent and water.

PLEASE NOTE: Sticky Pads cannot be used in waterbaths. Special sizes are available. Contact us for details.

Sticky Pad

Part No.	Dimensions (in.)	Price
CLS-4010-16	17-11/16 x 19-5/8 (450 x 500mm)	\$278.70 *



Digital Display and Locking Speed Control Knob



VERSA-ORB Digital Orbital Shaker

- Stirring, Shaking & Mixing Equipment
- Multipurpose benchtop shaker
- Accepts peg-and-grommet trays – sold separately
- 10 to 350rpm range with digital speed display
- One-inch orbit
- Two-year warranty

Built for versatility and performance, this multipurpose shaker base features a space-saving, low-profile design and is ideal for the agitation of gels, staining, de-staining and assay development. The peg-and-grommet-type top plate accepts a variety of easily installed trays and is compatible with similar trays on the market. Speed, controlled by a rotary knob with convenient locking ring, is adjustable from 10 to 350rpm and is indicated in a bright, digital display. The shaker boasts a 1-inch orbit and a maximum load of 25lbs. The 24V DC brushless motor is low-maintenance and features a detachable power supply. Two-year warranty included. Trays with liners are sold separately.



CLS-4021-100

Note: Flasks and trays are not supplied with base and must be purchased separately.

VERSA-ORB Digital Orbital Shaker, Base Only

Part No.	Voltage	Price
CLS-4021-100	120V	\$3,159.90 *

Aluminum Trays with Liners for VERSA-SHAKE Reciprocating Shaker

Part No.	Dimensions (in.)	Price
CLS-4021-1212	12 x 12	\$121.70 *
CLS-4021-1515	15 x 15	\$160.70 *
CLS-4021-2020	20 x 20	\$177.10 *
CLS-4021-2030	20 x 30	\$418.20 *

VERSA-ORB Shaker Rack for 50mL Tubes

- Stainless Steel Construction
- Angle Adjustment of up to 30°
- Silicone Gasket Holds Tube Securely
- Can be used with Skirted or Standard Tubes
- Designed for Use With VERSA-ORB Shaker But Also Fits All Shakers with a top plate of at least 14" x 14"

Our unique 49 position shaker rack for the 50mL Bio-Reaction tubes is an ideal platform for high throughput experiments for screening and process optimization. The rack is supplied with four attached pegs which fit directly into the top of our VERSA-ORB CLS-4021-100 Orbital Shakers (shaker base purchased separately). Rack can also be used with other orbital shakers by using our **CLS-4008-T03** double faced tape.

Tilting Rack for 50mL Bio-Reaction Tubes

Part No.	Description	Price
CLS-4285-R1	Tilting Rack, 49 Position for 50mL Tubes	\$913.10 *

NOTE: If using tilting rack, CLS-4285-R1, at an angle greater than 10 degrees, it is recommended not to exceed 150 rpm. Please contact Chemglass Life Sciences with any special requirements.



CLS-4285-R1
Bioreaction / Centrifuge Tubes and Shaker Base not included.



CLS-4100-02



Five Position

CLS-4100-06

Two Position

- Trouble-Free Brushless Motor
- Integrated Power Supply, for 100 to 220V Service
- Heavy Duty Magnets and Drive System
- Trouble-Free Non-Slip Toothed Kevlar Belt Design with Easy Replacement
- Stainless Steel Plate Cover
- Speed Range from 25 to 400RPM with Clockwise Control

DURA-MAG Magnetic Stirrer

Two- Five- and Nine-Positions

Dura-Mag™ digital, front-end, magnetic stirrers are designed for both cell culture in spinner flasks as well as general laboratory procedures requiring the use of magnetic stirring equipment. Dura-Mag™ stirrers feature brushless, maintenance-free DC motors with drive assemblies designed for quiet operation.

Stainless steel covers are stamped to show the vessel positions for accurate placement and optimum performance.

Dimensions and Capacities

(front to back depth measurements include power cords and control knobs)

Two-Position Model

Dimensions: 9.5" W x 22.5" D x 3.5" H

Designed to fit side-by-side in most incubators.

Maximum flask size is (2) 8L vessels.

Five-Position Model

Dimensions: (Standard Model) 16.75"W x 19.25"D x 3.5"H

(Compact Model) 14.75"W x 16.75"D x 3.5"H

Standard Model Maximum flask size is (5) 1L or (4) 3L vessels.

Compact Model Maximum flask size is (5) 100mL or (4) 1L vessels.

Nine-Position Model

Dimensions: 16.75" W x 19.25" D x 3.5" H

Maximum flask size is (9) 500mL vessels.



**Nine
Position**

CLS-4100-09

DURA-MAG Two-Position Magnetic Stirrer, Optional Alarm

Part No.	Alarm	Voltage	Price
CLS-4100-02	—	120	\$2,997.30 *
CLS-4100-A2	Factory Installed	120	\$3,922.00 *

DURA-MAG Five-Position Magnetic Stirrers, Optional Alarm

Part No.	Positions	Alarm	Voltage	Price
CLS-4100-06	5	—	120	\$2,911.60 *
CLS-4100-A6	5	Factory Installed	120	\$3,844.90 *
CLS-4100-04	5 Compact	—	120	\$2,911.60 *
CLS-4100-A4	5 Compact	Factory Installed	120	\$3,844.90 *

DURA-MAG Nine-Position Magnetic Stirrer, Optional Alarm

Part No.	Alarm	Voltage	Price
CLS-4100-09	—	120	\$3,382.60 *
CLS-4100-A9	Factory Installed	120	\$4,181.80 *

Optional Flask Centering Template for Corning Disposable 500mL Spinner flasks is available.

Installing the drop-on template ensures the Corning Disposable Spinner flasks are centered directly over the magnet for optimal stirring.

Contact us for a quotation.
tech@cglifesciences.com

See spinner flasks on the next page.



Chemglass Life Sciences' Microcarrier Spinner Flasks

Spinner Flasks promote optimal growth of suspension and microcarrier cultures. They are available in a variety of configurations and sizes. Indented versions help prevent the accumulation of microcarrier beads under the impeller blade. Each is complete with a three-neck glass flask, caps, and impeller assembly. All glass flasks, except the jacketed model, are graduated.

Spinner Flasks with Dimpled Bottoms and Internal Impellers

Spinner Flasks with Dimpled Bottoms and Internal Impellers

Capacity (mL)	— Standard Impeller —		— Large Impeller —	
	Part No.	Price	Part No.	Price
100	CLS-1450-100	\$377.30	CLS-1455-100	\$364.50
250	CLS-1450-250	\$396.90	CLS-1455-250	\$383.40
500	CLS-1450-500	\$427.10	CLS-1455-500	\$412.70
1,000	CLS-1450-1L	\$649.70	CLS-1455-1L	\$627.50
3,000 [†]	CLS-1450-3L [†]	\$737.70	CLS-1455-3L [†]	\$712.70

Spinner Flasks with Flat Bottoms and Adjustable Hanging Bars

Spinner Flasks with Flat Bottoms and Adjustable Hanging Stir Bars

Capacity (mL)	Part No.	Price
100	CLS-1445-100	\$280.60
250	CLS-1445-250	\$294.20
500	CLS-1445-500	\$350.80
1,000	CLS-1445-1L	\$456.90
3,000	CLS-1445-3L	\$594.10

Spinner Flasks with Dimpled or Flat Bottoms

Spinner Flasks with Standard Impellers and Dimpled or Flat Bottoms

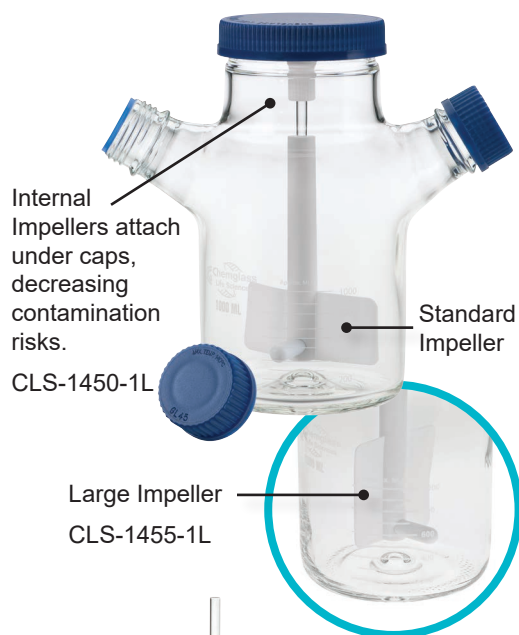
Capacity (mL)	— Dimpled Bottoms —		— Flat Bottoms —	
	Part No.	Price	Part No.	Price
100	CLS-1430-100	\$350.00	CLS-1430-F100	\$331.10
250	CLS-1430-250	\$379.50	CLS-1430-F250	\$368.40
500	CLS-1430-500	\$400.70	CLS-1430-F500	\$389.00
1,000	CLS-1430-1L	\$491.90	CLS-1430-F1L	\$477.60
3,000 [†]	—	—	CLS-1430-F3L [†]	\$673.30
6,000 [†]	CLS-1430-6L [†]	\$1,055.00	—	—
8,000 [†]	CLS-1430-8L [†]	\$1,304.70	—	—

[†] No Dimple - Flat Bottom

Water Jacketed, Spinner Flasks with Flat Bottoms

See *CLS-1430-J-series* on our website: cglifesciences.com

CLS-1430-J1L



Dura-Drive Overhead Motors, Standard

- Easy mounting bracket with ‘peg & grommet’ design
- Twist-lock, power cord plug safely prevents disconnection from power source

Dura-Drive overhead motors are designed for use with SS or PTFE impellers to stir media or other liquids in bio reactor vessels and spinner flasks. A CLS-1440 overhead drive adapter is required with this motor. Includes power supply.

Dura-Drive Overhead Motor

Part No.	Voltage	Price
CLS-1440-100	120	\$2,316.40 ♥



CLS-1440-100

Overhead Drive Adapter, Standard

The standard overhead drive adapter is used to attach a standard overhead drive motor to a SS or PTFE impeller for use with bioreactor vessels or spinner flasks. The adapter is manufactured from 316L electropolished SS with polyester / SS bearings.

Overhead Drive Adapter

Part No.	Dimensions	Price
CLS-1440-10	161mm OAH, 78mm from cap to top	\$1,421.70 ♥



CLS-1440-10

Overhead Drive Adapter, Preventative Maintenance Kit

CGLS PM Kits include all of the high maintenance items required to keep your Overhead Drive Adapters functioning to the high standards. Each kit contains an illustrated parts list for easy identification of parts.

Maintenance Kit for Overhead Drive Adapter

Part No.	Description	Qty.	Price
CLS-1440-K1	Maintenance Kit with:	1	\$317.90 ♥
	#118 Silicone O-Ring	1	
	Shaft Seal	2	
	Polyester Ball Bearing	2	
	Internal Retaining Ring	2	
	Drive Shaft Grip Ring	1	
	Replacement Shaft	1	



CLS-1440-K1

See Impellers and Bioreactor Vessels on Pages 10-11.





CLS-1440-series
PTFE Impellers



CLS-1440-P-series
SS Pitch Blade Impellers

PTFE Impeller Assemblies for Overhead Drives

Our PTFE impeller assemblies are designed to provide agitation for our vertical side arm (VSA) vessels and spinners when used with our cap adapter and Dura Drive overhead motor.

Please Note: Stainless steel impeller assemblies are available as special order. Please contact us for details.

PTFE Impeller Assemblies for Spinner Flasks and VSA Vessels

Part No.	For Vessel Type	Vessel Vol. (L)	OAW x OAH (mm)	Price
CLS-1440-26	Spinner	3	108 x 222	\$217.50 ♥
CLS-1440-27	Spinner	6	171 x 355	\$276.10 ♥
CLS-1440-28	VSA	8	171 x 337	\$242.60 ♥
CLS-1440-29	VSA	15	171 x 368	\$251.00 ♥
CLS-1440-30	VSA	36	241 x 442	\$267.60 ♥

Low Profile PTFE Impeller Assemblies for VSA Vessels

Part No.	For Vessel Type	Vessel Vol. (L)	OAW x OAH (mm)	Price
CLS-1440-44	VSA	3	171 x 162 (low profile)	\$167.40 ♥
CLS-1440-54	VSA	6	171 x 207 (low profile)	\$172.40 ♥

Stainless Steel Pitch Blade Impeller Assemblies

Designed for Overhead Vertical Sidearm Vessels

Our stainless steel pitch blade folding impeller assemblies are designed to provide optimum agitation for our Vertical Side Arm (VSA) vessels. These impellers will improve uplift mixing and increase mass transfer rates while minimizing shear to cultures. They can be used with our cap adapter and Dura Drive Overhead Motor. The impellers are made from 316 SS and supplied with a dust shield as well as a locking ring to secure the paddle in a horizontal position once inserted into the flask.

Stainless Steel Pitch Blade Impeller Assemblies for VSA Vessels

Part No.	For Vessel Type	Vessel Vol. (L)	OAW x OAH (in.)	Price
CLS-1440-P48	VSA	8	6.5 x 2.5	\$660.80 ♥
CLS-1440-P49	VSA	15	6.5 x 2.5	\$752.80 ♥
CLS-1440-P50	VSA	36	8-3/4 x 3	\$794.70 ♥

Low Profile Stainless Steel Pitch Blade Impeller Assemblies for VSA Vessels

Part No.	For Vessel Type	Vessel Vol. (L)	OAW x OAH (in.)	Price
CLS-1440-P43	VSA	3	6.5 x 2.5 (low profile)	\$460.00 ♥
CLS-1440-P53	VSA	6	6.5 x 2.5 (low profile)	\$493.60 ♥

Four-Neck, Bioreactor Vessels

Vessel has four vertical GL-45 threaded side necks and a 100mm threaded center neck. The 3 and 6 liter vessels are low profile to maximize incubator space. Supplied complete with (4) solid GL-45 caps and (4) pouring rings.

Four-Neck, Bioreactor Vessels with Graduations

Part No.	Vessel Vol. (L)	Center Neck GPI Thread	Four Side Neck Threads	Price
CLS-1404-08	8	100-440	GL-45	\$1,190.80 ◇
CLS-1404-15	15	100-440	GL-45	\$1,726.80 ◇

Four-Neck, Low-Profile Bioreactor Vessels with Graduations

Part No.	Vessel Vol. (L)	Center Neck GPI Thread	Four Side Neck Threads	Price
CLS-1404-03	3	100-440	GL-45	\$1,034.00 ◇
CLS-1404-06	6	100-440	GL-45	\$1,076.60 ◇



CLS-1404-15

Six-Neck, Bioreactor Vessels

Vessel has six vertical GL-45 threaded side necks and a 100mm threaded center neck. The 3 and 6 liter vessels are low profile to maximize incubator space. Supplied complete with (6) solid GL-45 caps and (6) pouring rings.

Six-Neck, Bioreactor Vessels with Graduations

Part No.	Vessel Vol. (L)	Center Neck GPI Thread	Six Side Neck Threads	Price
CLS-1406-08	8	100-440	GL-45	\$1,552.00 ◇
CLS-1406-15	15	100-440	GL-45	\$1,744.20 ◇
CLS-1406-36	36	100-440	GL-45	\$2,779.60 ◇

Six-Neck, Low-Profile Bioreactor Vessels with Graduations

Part No.	Vessel Vol. (L)	Center Neck GPI Thread	Six Side Neck Threads	Price
CLS-1406-03	3	100-440	GL-45	\$1,294.20 ◇
CLS-1406-06	6	100-440	GL-45	\$1,331.60 ◇



CLS-1406-15

Find even more on our website.

Cell Culture Equipment

Accessories and Supplies



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For quotes and inquiries contact
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