



AREX 5 Advance Hot Plate Stirrer

State-of-the-art heating magnetic stirrer combining powerful performance, advanced safety features, several connectivity options, and enhanced user experience. Designed to meet the highest demands, it ensures precision, efficiency, and uncompromising safety in every experiment.

- **Stirring Capacity:** Up to 20 L (H₂O)
- **Speed Range:** 30 – 1700 rpm

Elevating Laboratory Standards

- Set temperature ramps, monitor viscosity, switch stirring modes, and streamline workflows with advanced timing and connectivity.
- Remote control and monitoring via VELP Ermes Cloud Platform.
- Save and transfer data via USB.

Precise Thermoregulation

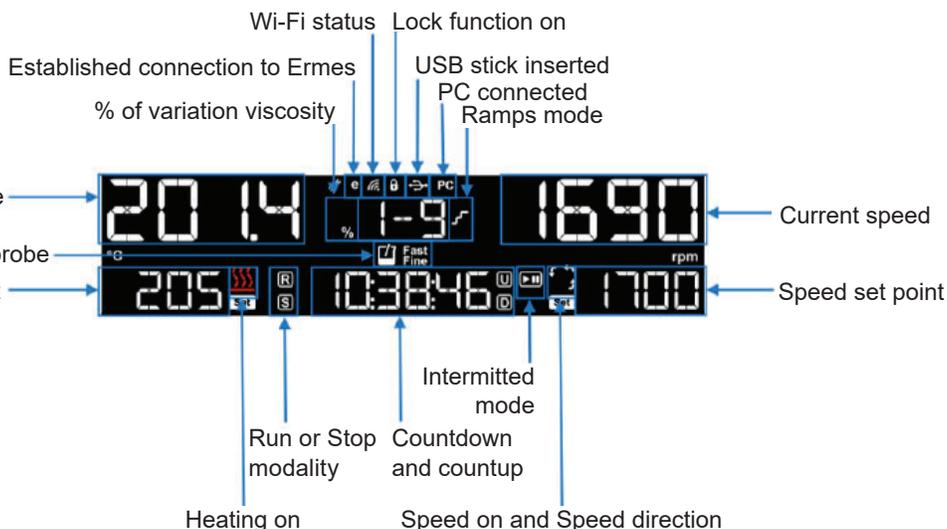
- Maximum control for temperature-sensitive tasks with Pt100 Pt1000 probe or VTF Digital Thermoregulator.
- When connected to probes two modes available: Fast (rapid heating) and Fine (minimized overshoot).
- Thermoregulation range: ambient to 310 °C.

Advanced Stirring

- Durable brushless motor with strong magnetic coupling.
- Stirs up to 20 L from 30 to 1700 rpm.
- Auto-reverse, intermittent mode, and adjustable speed limit.

Safety First

- A tempered glass panel ensures clear visibility and enhanced chemical resistance.
- Built-in safety features: lock button, over-temperature protection, and safety circuits.
- “Hot” warning remains active above 50 °C, even when heating is off.





AREX 5 Advance Hot Plate Stirrer

Part No.	Description	Price
CG-1997-V-610	AREX 5 Advance Hot Plate Stirrer with probe	\$1,336.00 *
CG-1997-V-650	AREX 5 Advance Hot Plate Stirrer with probe; vertical support rod, boss head, and support/holding rod	\$1,416.00 *



Nemko mark indicates compliance with the following standards CSA and UL



User interface	Digital
Housing material	Aluminum body - Technopolymer enclosure
Plate material	CerAlTop™
Plate diameter	135 mm
Stirring volume (H₂O)	20 L
Stirring speed range	30 - 1700 rpm
Speed control	Digital
Motor	Brushless
Torque compensation	SpeedServo™
Temperature range	Room temp. - 310 °C
Heating control	Digital
Temperature setting resolution	1°C
External temperature sensor connection	Pt100, Pt1000, VTF
Thermoregulation range	Room temp. - 310 °C (Pt100, Pt1000) Room temp. - 300 °C (VTF)
Thermoregulation accuracy	± 0.5 °C (VTF) ± 1 (Pt100, Pt1000)
Hot top warning system	On Display (temperature > 50 °C)
Timer	Yes (1 s - 99 h 59 min)
Autoreverse	Yes (5 s - 99 h 59 min)
Intermittent mode	Yes (5 s - 99 h 59 min)
Settable rotation direction	Yes: clockwise and counterclockwise
Viscosity trend measurement	Yes
Ramps	Up to 9 temperatures, up to 9 speeds
Safety lock	Yes
Connetivity	Ermes Cloud Platform via Wi-Fi CotrollerSoft™ PC and pendrive via USB-C
Protection class	IP 42
Power input	630 W
Weight	1.9 kg (4.2 lb)
Dimensions (WxHxD)	160x85x270 mm 6.3 x 3.3 x 10.6 in



CG-1997-S-20

ARE 5 Stirring Hot Plate, Analog, 135mm Aluminum Alloy Plate

- Insulating disk to protect internal parts.
- The 135 mm diameter aluminum alloy top plate ensures a great temperature homogeneity and optimum heat transfer across the entire surface.
- Two illuminated indicators always inform the operator when heating is on and temperature above 50°C.
- Stirs up to 15 l from 100 to 1500 rpm with SpeedServo™ counter reaction.
- Brushless motor ensuring power and resistance over time.

ARE 5 Stirring Hot Plate, Analog

Part No.	Description	Price
CG-1997-S-20	ARE 5 Stirring Hot Plate, Analog, 135mm Aluminum Alloy Plate, 115V, 60 Hz, VELP	\$611.00 *



CG-1997-S-30

AREX 5 Stirring Hot Plate, Analog, 135mm Ceraltop Plate

- Upgradable to digital with VTF ensuring temperature accuracy of ± 0.5°C.
- Insulating disk to protect internal parts.
- The 135 mm diameter top is protected from chemicals and scratches by the superior resistant CerAlTop™ ceramic coating.
- Two illuminated indicators always inform the operator when heating is on and temperature above 50°C.
- Stirs up to 20 l from 100 to 1500 rpm with SpeedServo™ counter reaction.
- Brushless motor ensuring power and resistance over time.

AREX 5 Stirring Hot Plate, Analog

Part No.	Description	Price
CG-1997-S-30	AREX 5 Stirring Hot Plate, Analog, 135mm CerAlTop Plate, 115V, 60 Hz, VELP	\$737.00 *



CG-1997-S-40

AREX 5 Stirring Hot Plate, Digital, 135mm Ceraltop Plate

- The internal electronic parts are protected by the insulating disk to resist even to the most challenging environments and applications.
- Hot Surface safety message displayed when the temperature is above 50 °C.
- The 135 mm diameter top is protected from chemicals and scratches by the superior resistant CerAlTop™ ceramic coating.
- Ideal for temperature sensitive applications in many industrial and academic laboratories.
- Precise thermoregulation of the medium with Pt100/Pt1000 probe (± 1.0 °C) and VTF Digital Thermoregulator (± 0.5 °C).
- Thermoregulation range from room temperature up to 310 °C.
- Brushless motor ensuring power and resistance over time.
- Stirs up to 20 l from 50 to 1500 rpm.
- SpeedServo™ counter reaction technology maintains the speed constant as viscosity changes.

AREX 5 Stirring Hot Plate, Digital

Part No.	Description	Price
CG-1997-S-40	AREX 5 Stirring Hot Plate, Digital, 135mm CerAlTop Plate, 115V, 60 Hz, VELP	\$877.00 *

*Not subject to discount.

RCT Basic Magnetic Hot Plate Stirrer, 115v/50-60hz, IKA

RCT basic is suitable for stirring tasks up to 20 l (H2O) and reaches a hotplate temperature of up to 310°C. With the connection option for an external temperature sensor (PT 1000.60 include), the temperature can be measured and controlled directly in the reaction medium.

In the latest generation, RCT basic presents itself in proven quality and with numerous new features:

- Tempered shatterproof glass surface for optimal chemical resistance and easy cleaning
- Largest display in its class with easy-to-read LED display
- Illuminated symbols for displaying important status information (set and actual temperature, heating status, temperature sensor)
- USB and RS232 interface for control or documentation of the test parameters via a PC
- Compatible with labworldsoft® laboratory software
- QR code for quick access to device information, accessories, downloads and extended warranty
- Easily accessible main switch on the front of the device



CG-1997-L-10

RCT Basic Magnetic Hot Plate Stirrer, 115v/50-60hz, IKA

Part No.	Description	Price
CG-1997-L-10	RCT Basic Magnetic Hot Plate Stirrer, 115V/50-60HZ	\$1,388.00 †

RET Basic Magnetic Hot Plate Stirrer, 115v/50-60hz, IKA

- With adjustable safety circuit of heating plate temperature (50 - 380 °C)
- Safety magnetic stirrer with heating, suitable for unsupervised operation
- Bushing according to DIN 12878 for connecting a contact thermometer, e.g. ETS-D5, enables precise temperature control
- High level of safety thanks to improved heat control technology
- Enclosed assembly (IP 42) guarantees long service life
- Very broad temperature range (RT - 340 °C)
- Extremely fast heating times
- Electronic speed control
- High magnetic adhesion
- Automatic switch-off of the heating function if the connected external temperature sensor is not immersed in the medium. Function selectable, timeout time adjustable (Error 5).



CG-1997-H-10

RET Basic Magnetic Hot Plate Stirrer, 115v/50-60hz, IKA

Part No.	Description	Price
CG-1997-H-10	RET Basic Magnetic Hot Plate Stirrer, 115V/50-60HZ	\$1,852.00 †



*Your IKA device is usually delivered with a two-year warranty. By registering online, this can be extended for another year free of charge (2+1). You can benefit from the free warranty extension with just a few clicks at www.ika.com/register. Please note that the registration has to be completed within 90 days of purchase.

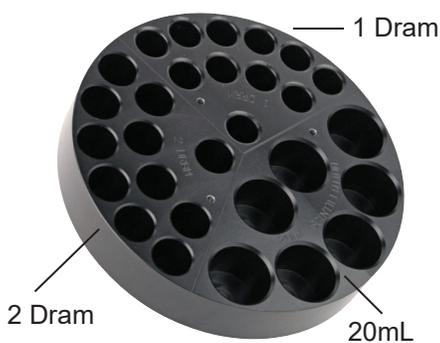
† Reusable Glass/Plastics

- Aluminum construction provides excellent heat transfer while not interfering with the magnetic field
- Holes spaced for optimum stirring of all vials
- Color-anodized for strength, durability, chemical resistance and easy identification
- Fit directly on 135mm diameter round top, hot plate stirrers
- Thermowell for insertion of a PT-100 temperature sensor or contact thermometer

Made to Fit all 135mm Round Top Hot Plate Stirrers

TRI-BLOCK fits three common size vials in one reaction block

Single-size blocks provide holes for more vials

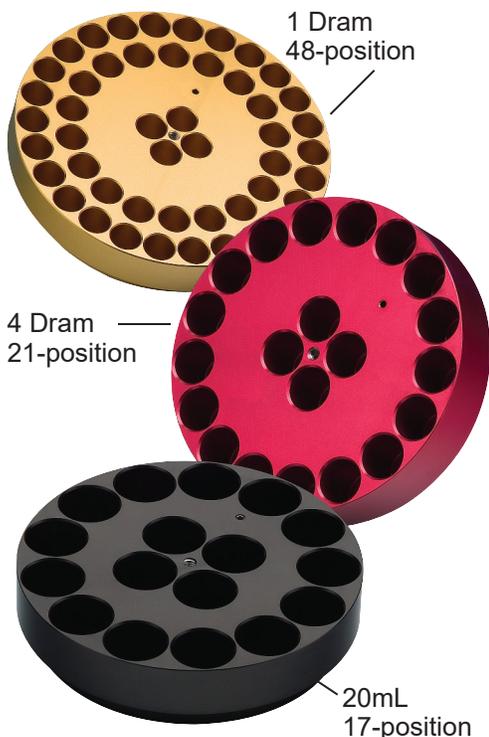


Reaction TRI-BLOCK™ Holds 1 Dram, 2 Dram & 20mL Scintillation Vials

Versatile, TRI-BLOCK fits the most common vial sizes on one hot plate: 11 each of 1 Dram vials, 11 each of 2 Dram vials, 7 each of 20mL vials. Drilled thermowells provided for insertion of PT-100 temperature sensors. Custom configurations are available; contact us for pricing.

Each section of the TRI-BLOCK is engraved with the vial size

Part No.	Description	Price
CG-1991-T-10	TRI-BLOCK Reaction Block fits 1 Dram, 2 Dram and 20mL Scintillation Vials, Black Hard Coated Aluminum	\$441.15 *



Single-Size Vial Reaction Blocks

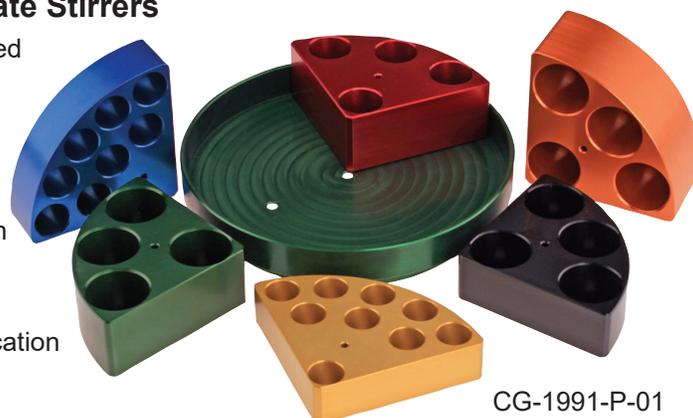
Part No.	No. of Places	Vol.	Vial Dims. (mm)	Color	Hole Depth (mm)	Price
CG-1991-01	17	20 mL	28 x 60	black	24	\$293.25 *
CG-1991-02	17	30 mL	28 x 73	green	30	\$318.75 *
CG-1991-03	17	40 mL	28 x 98	orange	43	\$325.55 *
CG-1991-04	48	1 dram	15 x 45	gold	19	\$368.15 *
CG-1991-05	34	2 dram	17 x 60	blue	25	\$358.10 *
CG-1991-06	21	4 dram	21 x 70	red	32	\$332.50 *

Custom Blocks Available!

See Reaction Vials on page 15.

PIE-BLOCKS for 135mm Diameter Round Top Hot Plate Stirrers

- Safety pie plate holder keeps up to four pie wedges securely locked together on the hotplate
- Fits all 135mm diameter hot plate stirrers
- Aluminum construction for excellent heat transfer without interfering with magnetic field
- Interchangeable pie wedges permit various sized vials or flasks on one hot plate
- Holes are spaced for optimum stirring of all vessels
- Wedges are anodized and color coded for quick and easy identification
- Drilled thermowell for insertion of contact thermometer or temperature sensor



CG-1991-P-01

Custom configurations are available. Please contact us for details.

Part No.	Description	Price
CG-1991-P-01	Complete PIE-BLOCK System with Holder includes: CG-1991-P-05, CG-1991-P-10, CG-1991-P-11, CG-1991-P-12, CG-1991-P-13, CG-1991-P-14 and CG-1991-P-15	\$620.00 *
CG-1991-P-05	PIE-BLOCK Safety Holder ONLY, for 135mm Circular Hot Plates, Green	\$134.10 *

Versatile design securely locks up to four pie wedges together



Individual Pie Wedges for Vials and Flasks

Part No.	Included in Complete System	No. of Places	Vol. (mL)	Vial Dims. (mm)	Color	Hole Depth (mm)	Price
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Wedges for Scintillation Vials

CG-1991-P-10	yes	4	20	28 x 60	black	24	\$88.35 *
CG-1991-P-11	yes	4	30	28 x 73	green	30	\$96.80 *
CG-1991-P-12	yes	4	40	28 x 98	orange	43	\$111.85 *

Wedges for Dram Vials

CG-1991-P-13	yes	9	4 (1 dr)	15 x 45	gold	19	\$108.35 *
CG-1991-P-14	yes	8	8 (2 dr)	17 x 60	blue	25	\$104.70 *
CG-1991-P-15	yes	4	16 (4 dr)	21 x 70	red	32	\$96.80 *

Wedges for Microwave Vials (NOTE: CG-1991-P-23 is a tapered vial)

CG-1991-P-19	no	8	2-5	—	turq.	—	\$109.65 *
CG-1991-P-20	no	4	10-20	—	berry	—	\$111.95 *
CG-1991-P-23	no	8	0.5-2	—	purple	—	\$139.20 *

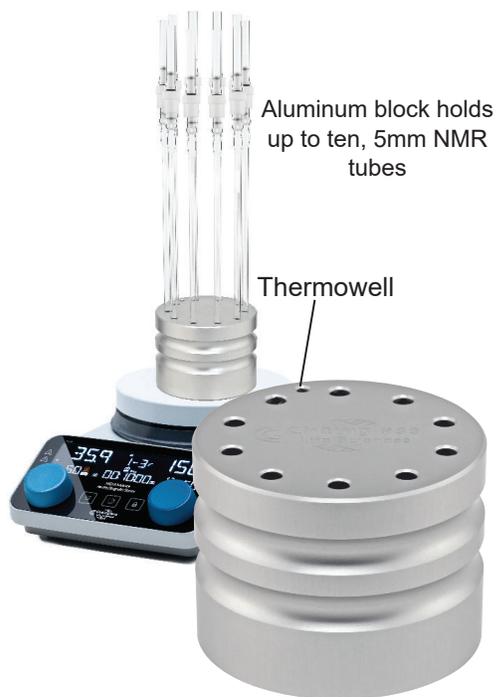
Wedges for Round Bottom Flasks

CG-1991-P-30	no	1	10	—	gold	—	\$129.70 *
CG-1991-P-32	no	1	25	—	blue	—	\$132.50 *
CG-1991-P-34	no	1	50	—	red	—	\$135.60 *
CG-1991-P-36	no	1	100	—	black	—	\$138.40 *



Custom Blocks Available!

*Not subject to discount.



Reaction Heating Block for 5mm NMR Tubes

- Offers a clean and safe alternative for heating NMR tubes in oil baths
- Eliminates hassle of removing oil residue from outside of NMR tubes
- Aluminum construction offers excellent heat transfer
- Ideal for performing kinetics studies where you run a standard reaction in NMR tube and run an NMR every 10-20min to see conversion of chemicals
- Easily perform degradation studies on chemicals and monitor on the NMR

NMR Heating Reaction Blocks are designed to rest on round or square top hot plate stirrers. They're ideal replacements for oil baths. They provide a safe and clean method for preheating NMR tubes and performing kinetics and degradation studies in 5mm NMR tubes. Blocks are anodized aluminum. A thermowell is included on each for insertion of a temperature sensor.

Reaction Heating Block for 5mm Tubes

Part No.	Description	Price
CG-1991-N-10	Reaction Heating Block, Anodized Clear, Fits (10) 5mm NMR Tubes	\$366.05 *

NORELL™ 5mm Valved NMR Tubes

- Greaseless PTFE assembly
- Eliminates flame-sealing of tubes
- Principally intended for vacuum work

NORELL Valved NMR Tubes feature a completely greaseless PTFE assembly, which is easy to use and disassemble for cleaning. It includes a female joint for quick attachment to your vacuum rack for handling your NMR samples without flame-sealing the tubes. A PTFE covered o-ring eliminates material incompatibilities.

A vacuum level of 10⁻⁷ kPa (10⁻⁶ torr) can be attained with this valve. While this valve can also withstand an internal positive pressure to 500 kPa (5 bar, 72 psi), the VT Valved NMR Tube series is intended principally for vacuum work. When pressurizing internally (by heating the NMR tube, for instance), the valve must be fully closed, so that the female vacuum adapter joint (the short glass tube that slips over the top of the PTFE valve stem, sealing against the upper o-rings) cannot be used to apply or be exposed to a positive pressure.

Norell Valved NMR Tubes

Part No.	MHz	Length (in.)	Price
C-S-5-500-JY-7	500	7	\$297.15 †
C-S-5-500-JY-8	500	8	\$292.25 †
C-S-5-600-JY-7	600	7	\$292.45 †
C-S-5-600-JY-8	600	8	\$303.00 †

† Reusable glass and plastic *Not subject to discount.



Available in 7 and 8-inch lengths



OptiTHERM® Reaction / Heating Block Shields and Inserts

OptiTHERM aluminum reaction / heating blocks provide a safe and cost effective solution for replacing your existing oil baths and heating mantles. The innovative PTFE shield reduces the exterior exposed surface temperature by as much as 100°C. For example, the PTFE shield would be approximately 80°C on a 100mL flask that is heated to 180°C.

Three OptiTHERM PTFE blocks are available. Corresponding inserts are available for round bottom and recovery flasks. See tables below for appropriate combinations. The anodized aluminum flask inserts are color coded for easy identification. Designed to fit directly on 135mm diameter circular top hot plate stirrers. US Patent Number 7,494,267.

Inserts must be purchased separately.

OptiTHERM Reaction / Heating Block PTFE Shields

Part No.	Description	Price
CG-1992-10	OPT100 RBF Reaction Block, 100mL	\$578.75 *
CG-1992-50	OPT500 RBF Reaction Block, 500mL	\$624.20 *
CG-1992-60	OPT1000 RBF Reaction Block, 1000mL	\$814.10 *

OptiTHERM Anodized Aluminum Inserts for Round Bottom Flasks

Part No.	Round Bottom Flask Size (mL)	Color	Use with	Price
CG-1992-12	10	gold	OPT100	\$115.95 *
CG-1992-14	25	blue	OPT100	\$122.90 *
CG-1992-16	50	red	OPT100	\$131.30 *
CG-1992-54	250	clear	OPT500	\$194.40 *
CG-1992-53	200	turquoise	OPT500	\$194.40 *
CG-1992-55	300	black	OPT500	\$194.40 *
CG-1992-58	500	berry	OPT1000	\$296.65 *

OptiTHERM Aluminum Inserts for Recovery Flasks

Part No.	Recovery Flask Size (mL)	Color	Use with	Price
CG-1992-R010	10	orange	OPT100	\$124.40 *
CG-1992-R025	25	green	OPT100	\$131.30 *
CG-1992-R050	50	blue	OPT100	\$139.85 *
CG-1992-R100	100	yellow	OPT500	\$206.30 *
CG-1992-R200	200	red	OPT500	\$206.30 *
CG-1992-R500	500	berry	OPT1000	\$295.05 *

See Round Bottom and Recovery Flasks on Pages 10 & 11.



PTFE shields reduce exterior exposed temperatures



Round Bottom Flask Inserts



Recovery Flask Inserts

Single Neck, Round Bottom, Heavy Wall Flasks

Round bottom, HEAVY WALL single short neck flask with a standard taper outer joint. The 29/26 flasks have a groove tooled just below the grind to aid in clamping of the flask. Flasks with joint sizes other than those listed are available, please contact us for pricing.



CG-1506-series

Part No.	Cap. (mL)	Joint Size	Price	Part No.	Cap. (mL)	Joint Size	Price
CG-1506-07	2	19/22	\$38.85	CG-1506-08	125	24/40	\$46.60
CG-1506-80	5	14/20	\$34.55	CG-1506-09	125	29/42	\$49.65
CG-1506-81	5	19/22	\$37.45	CG-1506-11	150	24/40	\$53.85
CG-1506-13	6	19/22	\$58.90	CG-1506-12	150	29/42	\$66.00
CG-1506-82	10	14/20	\$33.65	CG-1506-14	200	24/40	\$49.30
CG-1506-83	10	19/22	\$37.95	CG-1506-62	200	29/26	\$71.10
CG-1506-84	15	14/20	\$36.65	CG-1506-15	200	29/42	\$70.20
CG-1506-85	15	19/22	\$36.85	CG-1506-92	250	14/20	\$45.00
CG-1506-86	25	14/20	\$35.80	CG-1506-93	250	19/22	\$48.15
CG-1506-87	25	19/22	\$36.85	CG-1506-63	250	29/26	\$71.10
CG-1506-16	25	24/40	\$36.85	CG-1506-18	250	29/42	\$56.00
CG-1506-32	35	19/22	\$43.80	CG-1506-17	250	24/40	\$50.40
CG-1506-88	50	14/20	\$35.80	CG-1506-46	300	24/40	\$56.45
CG-1506-89	50	19/22	\$36.05	CG-1506-64	300	29/26	\$74.30
CG-1506-01	50	19/38	\$60.35	CG-1506-47	300	29/42	\$82.65
CG-1506-02	50	24/40	\$36.85	CG-1506-94	500	14/20	\$59.40
CG-1506-03	50	29/42	\$50.95	CG-1506-95	500	19/22	\$59.40
CG-1506-60	50	29/26	\$60.70	CG-1506-20	500	24/40	\$57.30
CG-1506-22	65	19/22	\$46.40	CG-1506-65	500	29/26	\$67.30
CG-1506-90	100	14/20	\$36.05	CG-1506-21	500	29/42	\$61.65
CG-1506-91	100	19/22	\$36.25	CG-1506-31	500	45/50	\$89.55
CG-1506-04	100	19/38	\$60.25	CG-1506-23	1000	24/40	\$68.60
CG-1506-05	100	24/40	\$37.95	CG-1506-66	1000	29/26	\$92.25
CG-1506-61	100	29/26	\$59.05	CG-1506-24	1000	29/42	\$76.35
CG-1506-06	100	29/42	\$46.85	CG-1506-33	1000	45/50	\$99.05

Single Neck, Recovery, Heavy Wall Flasks

Evaporating flask for use with rotary evaporators. Flasks have a HEAVY WALL for vacuum applications and are balanced to prevent run-out during rotation. For Plastic Coated flasks, see CG-1512-P on our website.

Part No.	Cap.(mL)	Joint Size	Price
CG-1512-52	10	19/22	\$40.05
CG-1512-53	25	14/20	\$37.65
CG-1512-54	25	19/22	\$43.45
CG-1512-55	50	14/20	\$37.65
CG-1512-56	50	19/22	\$43.45
CG-1512-01	50	24/40	\$46.40
CG-1512-02	50	29/42	\$50.20
CG-1512-40	50	29/26	\$58.40
CG-1512-57	100	14/20	\$36.25
CG-1512-58	100	19/22	\$39.35
CG-1512-21	100	24/25	\$51.90
CG-1512-03	100	24/40	\$47.70
CG-1512-04	100	29/42	\$51.15
CG-1512-27	100	29/26	\$51.15
CG-1512-59	200	14/20	\$52.90
CG-1512-60	200	19/22	\$65.40
CG-1512-23	200	24/25	\$68.40
CG-1512-05	200	24/40	\$62.60
CG-1512-06	200	29/42	\$66.00
CG-1512-29	200	29/26	\$66.00
CG-1512-25	500	24/25	\$101.45
CG-1512-07	500	24/40	\$94.65
CG-1512-08	500	29/42	\$101.45
CG-1512-31	500	29/26	\$101.45
CG-1512-09	1000	24/40	\$123.30
CG-1512-10	1000	29/42	\$125.90
CG-1512-33	1000	29/26	\$124.80
CG-1512-35	2000	24/40	\$196.75
CG-1512-37	2000	29/26	\$213.70
CG-1512-39	2000	29/42	\$209.60
CG-1512-42	3000	24/40	\$455.25
CG-1512-44	3000	29/26	\$481.95
CG-1512-46	3000	29/42	\$459.15



CG-1512-series

*Not subject to discount.



OP-6700-01



PTFE shield reduces exterior temperature by as much as 100°C



OP-6600-09

OptiCHEM Blocks for Vials & Tubes

For use in centrifugal vacuum evaporators. Designed to maximize evaporation while minimizing the weight of the block and thereby increasing sample volumes. Each block is made of black, hard-coated aluminum for resistance to organic solvents and laser etched with the vial / tube size.



OP-6600-90

OptiCHEM Multi-Vial Block

Hold vials while transferring solutions or solids. Can also be used in centrifugal vacuum evaporators.

OptiCHEM® Heater Block Adapter for Vacuum Evaporator Blocks

- Fits all 135mm diameter hot plate stirrers and offers great visibility of reactions
- Excellent heat distribution
- PTFE shield prevents potential burns and provides a safe contact area
- Aluminum construction for excellent heat transfer won't interfere with magnets
- Thermowell provided for a contact thermometer or PT100 sensor

Lower edge of block covers side of top plate and prevents block from slipping, allowing for safe heating of your Chemglass or Genevac blocks. PTFE shield on heating block keeps exterior surface area at a temperature that is safe to touch.

Part No.	Description	Price
OP-6700-01	Heater Block Adapter	\$967.60 *

OptiCHEM Centrifugal Vacuum Evaporator Blocks for Vials and Tubes

Part No.	Accommodates	Positions	Vol. (mL)	Dims. (mm)	Price
OP-6600-04	shell vials	96	—	8 x 30	\$289.00 *
OP-6600-03	HPLC flat bottom vials	48	—	12 x 32	\$259.15 *
OP-6600-05	1 dram flat bottom vials	24	4	15 x 45	\$259.15 *
OP-6600-07	2 dram flat bottom vials	24	8	17 x 60	\$259.15 *
OP-6600-09	4 dram flat bottom vials	15	16	21 x 70	\$259.15 *
OP-6600-11	flat bottom scintillation vials	11	20 30	28 x 57 28 x 70	\$259.15 *
OP-6600-12 (two-tier)	flat bottom scintillation vials	11	40 60	28 x 70 28 x 95	\$333.35 *
OP-6600-18	Haystack sample vials	24	—	14 mm (OD)	\$260.90 *
OP-6600-20 (two-tier)	tapered microwave vials	24	0.5-2	16 x 83	\$332.50 *
OP-6600-21 (two-tier)	round bottom microwave vials	24	2-5	16 x 83	\$332.50 *
OP-6600-22 (two-tier)	microwave vials	8	20	28 x 83	\$332.50 *
OP-6600-30	round bottom tubes	70	—	10 x 75	\$259.25 *
OP-6600-34	round bottom tubes	40	—	12 x 75	\$259.25 *
OP-6600-36 (two-tier)	round bottom tubes	24	—	13 x 100	\$332.90 *
OP-6600-38 (two-tier)	round bottom tubes	24	—	16 x 100	\$332.90 *
OP-6600-40 (two-tier)	round bottom tubes	24	—	18 x 100	\$332.90 *
OP-6600-42 (two-tier)	round bottom tubes	12	—	25 x 100	\$332.90 *

OptiCHEM Multi-Vial Block, 25-Position Aluminum Block

Part No.	Description	Price
OP-6600-90	Chemical-Resistant, Black, Hard-Coated Aluminum	\$266.75 *

Holds (4) 20-40mL Scintillation Vials, (5) 2 Dram Vials or 2-5mL Microwave Vials, (7) 1 Dram Vials, and (9) 12 x 32mm Autosampler Vials

Evaporator-Concentrator Manifolds

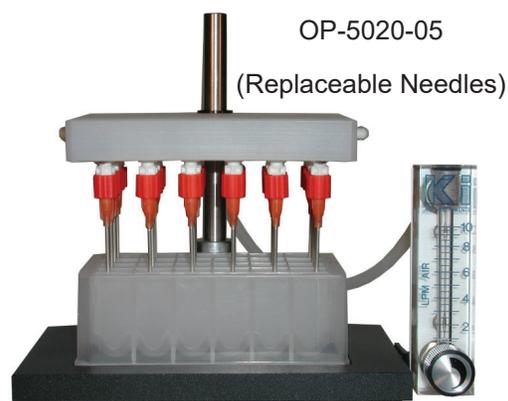
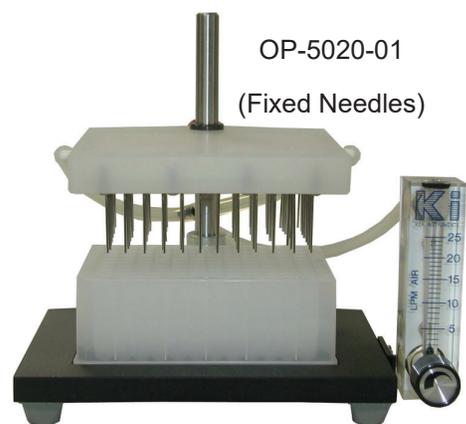
- Low cost solution for well block concentrations
- Manifolds for 11, 15, 24, 48 and 96 well blocks
- Stainless steel needles
- Flowmeter included
- Purchase blocks separately

Manifolds are a low cost solution for the concentration of product in well blocks. Deliver equal amounts of gas to each well to gently speed solvent evaporation. Needles are constructed of stainless steel. 96 well unit has the needles pressed into the block, while the 11, 15, 24 and 48 well units have removable / replaceable needles. Manifolds are constructed of polypropylene and bases are coated aluminum. Equipped with adjustable flow meters for controlling gas flow into manifolds. Inlets are 1/8" barbed fitting.

Evaporator / Concentrator Manifolds

Part No.	No. of Wells	Needles	Price
OP-5020-01	96	fixed	\$1,295.55 *
OP-5020-03	48	replaceable	\$1,278.45 *
OP-5020-05	24	replaceable	\$1,278.45 *
OP-5020-07	15	replaceable	\$1,261.45 *
OP-5020-09	11	replaceable	\$1,261.45 *

Note: Blocks are not included and must be purchased separately.



Low-Form, Stainless Steel Oil Baths with Lids

Stainless steel dish with lid for use as an oil bath when used in conjunction with a hot plate stirrer having a thermocouple connection. Available in two sizes, complete with lids.

Low-Form Stainless Steel Oil Baths with Lids

Part No.	W x H (mm)	Price
CG-1100-D-01	100 x 65	\$83.50 *
CG-1100-D-02	150 x 75	\$168.85 *

Oil Bath Fluid

Part No.	Description	Price
CG-1100-30	One Quart	\$155.10 *
CG-1100-31	Half Gallon	\$256.45 *



For MSDS on oil, please contact
tech@cglifsciences.com





OptiBLOCK Parallel Synthesis Reaction Blocks

- Seals multiple vessels effectively
- Wide range of vessel sizes
- Provides syringe access to all vessels
- Works at boiling point
- Glove box and automation friendly
- Works with aggressive solvents

The OptiBLOCK is a simple, easy to use tool for medicinal and process chemists. The block accepts up to eight different vial sizes and fits directly onto a hot plate stirrer having a 135mm top plate diameter.

OptiBLOCK Parallel Synthesis Start Up Kit

Part No.	Description	Price
OP-5000-K1	OptiBLOCK Parallel Synthesis Reaction Block Start Up Kit includes the following:	\$2,774.20 *
OP-5000-01	(1 ea.)	
OP-5000-10	(1 ea.)	
OP-5000-12	(1 ea.)	
OP-5000-16	(1 ea.)	
OP-6600-05	(1 ea.)	
OP-6600-07	(1 ea.)	
OP-6600-11	(1 ea.)	
OP-5000-60	(20 ea.)	

OptiBLOCK Locking Base and Septa Pads

Part No.	Description	Price
OP-5000-01	Reaction Block Locking Base Assembly ONLY	\$1,163.35 *
OP-5000-60	PTFE-Faced Silicone Septa Pads, Pkg. 10	\$187.35 *

OptiBLOCK Top Locking Plates

Part No.	Accommodates	Dims. (mm)	# of Positions	Color	Price
OP-5000-09	96 Well	8 x 30mm	96	Green	\$358.40 *
OP-5000-10	1 Dram Vial	15 x 45mm	24	Purple	\$340.30 *
OP-5000-12	2 Dram Vial	17 x 60mm	24	Gold	\$340.30 *
OP-5000-14	4 Dram Vial	21 x 70mm	15	Red	\$340.30 *
OP-5000-16	20mL Vial	28 x 57mm	11	Blue	\$359.75 *
OP-5000-17	30mL Vial	28 x 70mm	11	Silver	\$340.30 *
OP-5000-18	40mL Vial	28 x 95mm	11	Orange	\$340.30 *
OP-5000-19	0.5-2mL Tapered Vial or 2-5mL RB Microwave Vial	—	24	Green	\$379.45 *
OP-5000-20	10-20mL Microwave Vial	—	8	Turq.	\$379.45 *

Top Locking Plate



Silicone Septa Pads



OptiCHEM Block

(OP-6600-series)



Locking Base



Fits all hot plate stirrers with 135mm diameter round tops



Reaction Vials with Red Pressure Relief Caps Attached

Reaction vials are perfect for use in heated reactions. Supplied complete with a special pressure relief open top cap. Packed 100 per box.

- Supplied complete with a special open top cap which prevents the pressure in the vial from exceeding 150 psig.
- Made from 33 expansion borosilicate glass which conforms to ASTM E-438 Type 1-Class A, USP Type 1 and ISO 3585. The high resistance to thermal shock along with its maximum chemical resistance makes this the glass of choice for reaction vials along with most all laboratory glassware.
- Packaged in a SBS coated white tray complete with SBS partition. Boxes are marked with alpha-numeric coordinates for fast and easy vial identification.

NOTE: Vials and caps are not available separately; must be purchased complete.

Clear Vials with Red Pressure Relief Caps

Part No.	Vial Capacity	Vial Dims. (mm)	Thread Size	Qty. / Box	Price
CG-4912-01	1 dram	15 x 45	13-425	100	\$148.35 ▲
CG-4912-02	2 dram	17 x 60	15-425	100	\$161.05 ▲
CG-4912-05	20mL	28 x 57	24-414	100	\$174.10 ▲
CG-4912-06	40mL	28 x 95	24-414	100	\$230.85 ▲

Smaller Quantities For Easier Transport, Storage and Use in the Lab

2 Dram Reaction Vials in Convenient Shelf Packs

Part No.	Vial Capacity	Vial Dims. (mm)	Thread Size	Qty.	Price
CG-4912-242	2 dram	17 x 60	15-425	24	\$46.40 ▲
CG-4912-482	2 dram	17 x 60	15-425	48	\$92.10 ▲

20mL Reaction Vials in Convenient Shelf Packs

Part No.	Vial Capacity	Vial Dims. (mm)	Thread Size	Qty.	Price
CG-4912-245	20mL	28 x 57	24-414	24	\$49.70 ▲
CG-4912-485	20mL	28 x 57	24-414	48	\$99.55 ▲

Reaction Vials with Graduations and Marking Spot, Red Pressure Relief Cap, SBS Coated White Trays with Partitions

Graduated vials with marking spot, 1mL subdivisions from 5mL to 15mL on 20mL vials and 5mL to 30mL on 40mL vials. Vials are made from 33 expansion borosilicate glass which conforms to ASTM E-438 Type 1-Class A, USP Type 1 and ISO 3585. The high resistance to thermal shock along with its maximum chemical resistance makes this the glass of choice for vials along with most all laboratory glassware. Supplied with special open top cap which prevents pressure in the vial from exceeding 150 psig. Packaged in a SBS coated white tray complete with SBS partition. Boxes are marked with alpha-numeric coordinates for fast and easy vial identification. Caps are supplied installed on the vials.

Reaction Vials with Graduations and Marking Spot

Part No.	Description	Qty.	Price
CG-4912-G05	20mL Graduated Vials with Marking Spot, 28mm OD x 57mm Height, 24-414 Thread Size, Red Pressure Relief Cap, SBS Coated White Tray	100	\$191.50 ▲
CG-4912-G06	40mL Graduated Vials with Marking Spot, 28mm OD x 95mm Height, 24-414 Thread Size, Red Pressure Relief Cap, SBS Coated White Tray	100	\$253.95 ▲



NEW Graduated Vials



▲ Subject to vials / containers discount.

CG-1761-20

Kit includes one each of eight sizes



PTFE Vial Funnels

PTFE funnels screw securely onto any standard laboratory vial having a GPI thread. Design allows for easy, safe and mess-free product transfer.

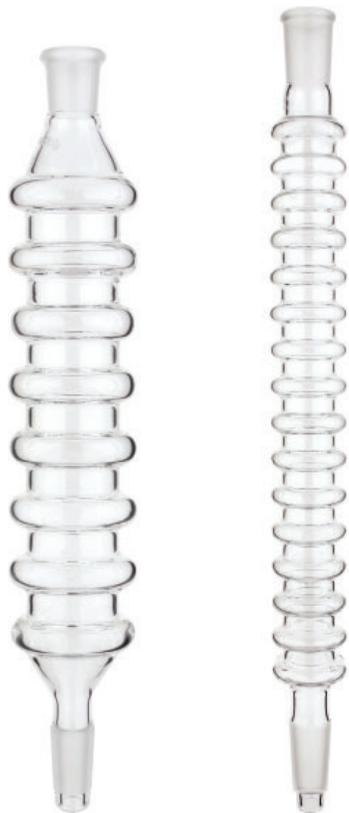
NOTE: Vials are not included with funnels.

PTFE Vial Funnel Kit

Part No.	Description	Price
CG-1761-20	Funnel Kit, Supplied with a Polypropylene Box and 1 Each of the Eight Funnel Sizes Listed Below	\$211.10 *

Individual PTFE Vial Funnels

Part No.	O.D. (in.)	GPI Thread Size	Price
CG-1761-01	1.0	8-425	\$23.15 *
CG-1761-02	1.0	9-425 and 10-425	\$23.15 *
CG-1761-03	1.0	13-425	\$23.70 *
CG-1761-04	1.4	15-425	\$27.90 *
CG-1761-05	1.4	18-400	\$27.90 *
CG-1761-06	1.9	20-400	\$44.35 *
CG-1761-07	1.9	22-400	\$32.85 *
CG-1761-08	1.9	24-400	\$34.75 *



CG-1218-H214

CG-1218-H324

Water-free, High Efficiency, Air Condensers

High efficiency air condensers are waterless condensers that require no cooling water for operation. The high surface area of the glass bellows design provides for a very effective air condenser.

- Performance equivalent to a Liebig-type condenser being used with tap water
- No risks of water leakage, and potential flooding
- By not using water, the environmental impact and water costs are reduced
- Considerably less expensive than other waterless condenser options
- Helps meet sustainable water reduction targets
- Clear visibility of the reaction reflux
- Suitable for use under vacuum
- For solvent volumes of 5mL up to 1 liter

Water-free Design: no chiller / circulator needed, eliminate wasting water, no risk of flooding the hood and no fear of water issues affecting the reflux / reaction due to the condenser having reduced or no flow of water.

Part No.	Joint Size	Length Between Joints (mm)	Price
CG-1218-H214	14/20	200	\$353.60 *
CG-1218-H224	24/40	200	\$371.85 *
CG-1218-H324	24/40	350	\$387.10 *
CG-1218-H424	24/40	450	\$399.20 *



Volume Discounts Available - Contact Us for a FREE Quote!

Findenser™ Air Condensers with Finned Aluminum Jackets

- No risk of water leaks and flooding from running water
- Eliminate the cost of water purchase and disposal
- Helps meet sustainable water reduction targets
- For solvent volumes from 5ml up to 1 liter

Findenser combines an internal glass condenser with an external, finned aluminum heat sink jacket. The area between the internal glass condenser and the finned aluminum jacket is filled with a small amount of water that is permanently sealed. The internal design of the glass condenser provides an increased internal surface area compared to traditional condensers. The larger surface area improves the heat transfer capacity of the condenser. The Findenser replaces the need for water cooled condensers in over 95% of all common chemistry applications.

Findenser Compared with an Air Condenser

For synthesis with 'low' boiling point solvents, Findenser showed a significant improvement in solvent retention. With acetone or DCM the reaction boiled dry when using an air condenser, yet Findenser retained 95% of the solvent under the same conditions.

For synthesis with 'medium' boiling point solvents, Findenser delivered improved solvent retention particularly with larger volumes and high temperatures.

Note: Always ensure vessel and Findenser are clamped. Do not expose to temperatures below 0°C. Do not autoclave. Do not exceed 60°C when oven drying. Do not exceed 50°C when using in a dishwasher.

Patented design. Findenser is a trademark of Radleys.

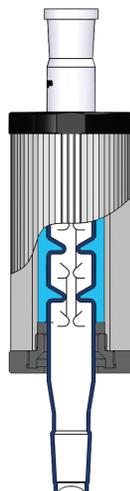
Part No.	Description	Overall Length (mm)	Joint Size	Price
CG-1218-F114	Findenser Mini	275	B14	\$678.00 *
CG-1218-F124	Findenser Mini	275	B24	\$678.00 *
CG-1218-F224	Findenser	400	\$703.00 *	



How does Findenser work?

- Findenser combines an internal glass condenser with an external, finned aluminum heat sink jacket
- Internal glass condenser provides increased heat transfer capacity compared to traditional condensers
- Finned aluminum heat sink fits around the glass condenser increasing the external surface area
- Area between the glass condenser and the finned jacket is permanently filled with a small amount of water

◀ Findenser Mini



OptiTHERM®
Reaction / Heating
Block - see page 8

*Not subject to discount.

Static, Waterless, Allihn-Style Reflux Condenser

- No issues with water leakage or potential flooding
- Environmental impact and water costs are reduced
- Clear visibility of the reaction reflux
- Suitable for use under vacuum
- For solvent volumes up to 1 liter
- Considerably less expensive than other waterless condenser options

Static, waterless, Allihn-style reflux condenser with a standard taper outer joint at the top and a lower inner drip tip joint and GPI thread on side for filling the condenser with ethylene glycol. Supplied with open top cap and septa for closing off once the condenser is filled.

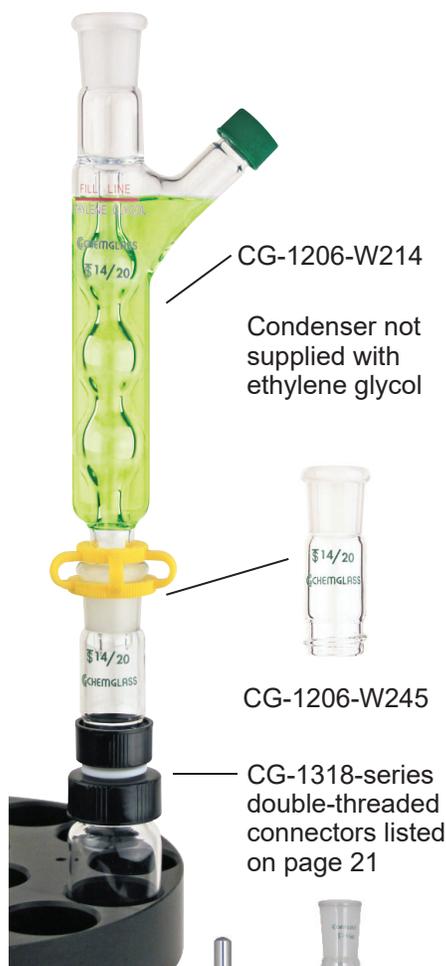
NOTE: Ethylene glycol is not supplied.

Static, Waterless, Allihn-Style Reflux Condenser

Part No.	Joint Size	Jacket Length (mm)	Overall Height (mm)	Price
CG-1206-W214	14/20	100	175	\$265.60 *
CG-1206-W224	24/40	300	\$301.95 *	

Accessory Vial Connecting Adapter

Part No.	Description	Price
CG-1206-W245	Adapter, Connecting Vial, 14/20, Glass Only	\$53.10 *



See case studies listed at www.cglifesciences.com

Magnetic PTFE Micro Stir Bars

Micro PTFE stir bars for the smallest containers. Manufactured with FDA-grade and USP Class VI PTFE.

Individual PTFE Stir Bars

Part No.	Length x Dia. (mm)	Price
CG-2003-10	2 x 2	\$7.00 *
CG-2003-11	3 x 3	\$7.05 *
CG-2003-12	5 x 2	\$6.55 *
CG-2003-13	6.35 x 3	\$7.00 *
CG-2003-14	7 x 2	\$6.55 *
CG-2003-15	8 x 1.5	\$7.30 *
CG-2003-16	10 x 3	\$7.30 *
CG-2003-17	12.7 x 3	\$7.50 *
CG-2003-18	15 x 1.5	\$8.10 *



CG-2003-series Individual Bars and 50-Packs

50-Packs of PTFE Stir Bars

Part No.	Length x Dia. (mm)	Price
CG-2003-100	2 x 2	\$165.55 *
CG-2003-110	3 x 3	\$163.10 *
CG-2003-120	5 x 2	\$147.00 *
CG-2003-130	6 x 3	\$163.10 *
CG-2003-140	7 x 2	\$147.00 *
CG-2003-160	10 x 3	\$173.35

Magnetic PTFE Micro Stir Bar Kit

Stir Bar Kits are available with an assortment of other styles and sizes. Please contact technical service for more information.

Micro PTFE Stir Bar Kit

Part No.	Description	Price
CG-2003-50	Stir Bar Kit, Magnetic, PTFE, Micro	\$273.00 *

Micro Stir Bar Kit Components

Part No.	Length x Dia. (mm)	Qty.
CG-2003-10	2 x 2	3
CG-2003-12	5 x 2	6
CG-2003-13	6.35 x 3	3
CG-2003-14	7 x 2	6
CG-2003-16	10 x 3	6
CG-2003-17	12.7 x 3	3



CG-2003-50 Kit

*Not subject to discount.

Egg-Shaped, Magnetic, PTFE Stir Bars

Egg-shaped magnetic stirring bar provides its own pivot point without separate ring or abrupt change in contour. Designed for use in round bottom vessels, it is shaped to spin freely, unrestricted by the vessel contour. Manufactured with FDA-grade and USP Class VI PTFE.



CG-2005-series

Individual PTFE Stir Bars

Part No.	Fits Flask Size (mL)	Length x Dia. (in.)	Price
CG-2005-10	10-100	3/4 x 3/8	\$13.30 *
CG-2005-11	100- 250	1 x 1/2	\$13.55 *
CG-2005-12	250-500	1 1/4 x 5/8	\$18.65 *
CG-2005-13	300-500	1 1/2 x 5/8	\$18.05 *
CG-2005-14	500-1000	1 5/8 x 3/4	\$22.40 *
CG-2005-15	2000-3000	2 x 3/4	\$27.55 *
CG-2005-16	3000-5000	2 1/2 x 3/4	\$33.80 *
CG-2005-17	12000-22000	3 x 3/4	\$38.20 *
CG-2005-30	5-25	3/8 x 3/16	\$11.75 *

Egg-Shaped, Magnetic, PTFE Stir Bar Kit

Stir Bar Kits are available with an assortment of other styles and sizes. Please contact technical service for more information.

Egg-Shaped PTFE Stir Bar Kit

Part No.	Description	Price
CG-2005-20	Stir Bar Kit, Magnetic, Egg-Shaped, PTFE	\$341.00 *

Egg-Shaped PTFE Stir Bar Kit Components

Part No.	Length x Dia. (in.)	Qty.
CG-2005-10	3/4 x 3/8	6
CG-2005-12	1 1/4 x 5/8	6
CG-2005-14	1 5/8 x 3/4	3
CG-2005-15	2 x 3/4	2
CG-2005-16	2 1/2 x 3/4	1

Elliptical, Rare Earth, Turbo, Magnetic, PTFE Stir Bars

Exceptional strength coupled with almost total resistance to demagnetisation. Identified by an inert carbon, black spot.

Individual PTFE Stir Bars

Part No.	Length x Dia. (mm)	Price
CG-2005T-01	10 x 6	\$8.65 *
CG-2005T-02	15 x 10	\$13.65 *
CG-2005T-03	25 x 14	\$18.10 *
CG-2005T-04	50 x 24	\$50.05 *
CG-2005T-05	70 x 28	\$127.30 *



CG-2005-20 Kit



TURBO CG-2005T-series

Heatable PTFE Beaker

- Totally inert, pure PTFE inner surface
- Heatable to 270°C without distortion
- Improved heat transfer

PTFE beakers feature the unique combination of a pure PTFE body with a specially formulated, stabilized PTFE carbon base as a single molding.

Heatable PTFE Beaker

Part No.	Capacity (mL)	Price
CG-1109H-01	100	\$83.60 *
CG-1109H-02	250	\$99.30 *
CG-1109H-03	400	\$143.95 *



CG-1109H-series

Vial Adapter Kit for Rotary Evaporators

Adapters permit the connection of standard laboratory dram sample vials directly to the vapor tube or a bump trap of a rotary evaporator. Adapters have a top outer joint of the listed size and a 20-400 GPI thread at the bottom. A PTFE-lined, polypropylene, double-threaded connector attaches the vial to the adapter.

Vial Adapter Kits

Part No.	Description	Price
CG-1318-40	Complete Kit: 24/40 Glass Adapter with All 6 Threaded Vial Adapters: 13-425, 15-425, 18-425, 20-400, 22-400, 24-400	\$204.60 *
CG-1318-41	Complete Kit: 29/26 Glass Adapter with All 6 Threaded Vial Adapters: 13-425, 15-425, 18-425, 20-400, 22-400, 24-400	\$214.70 *
CG-1318-42	Complete Kit: 29/42 Glass Adapter with All 6 Threaded Vial Adapters: 13-425, 15-425, 18-425, 20-400, 22-400, 24-400	\$214.70 *
CG-1318-30	Complete Kit: Threaded Vial Adapters Only: 13-425, 15-425, 18-425, 20-400, 22-400, 24-400	\$152.50 *



Trap and Vial not included

Glass adapter and six double-threaded connectors included

Individual, Double-Threaded Connectors Only

Part No.	Accommodates Vial Thread	Price
CG-1318-20	13-425	\$20.85 *
CG-1318-21	15-425	\$22.25 *
CG-1318-22	18-425	\$24.75 *
CG-1318-23	20-400	\$25.65 *
CG-1318-24	22-400	\$26.25 *
CG-1318-25	24-400	\$34.15 *

Glass Adapters Only

Part No.	Standard Taper Joint Size	Price
CG-1318-10	24/40	\$61.10
CG-1318-11	29/26	\$69.10
CG-1318-12	29/42	\$69.10



CG-1318-series glass adapter only

*Not subject to discount.



New Support Jack Designed for Rectangular Hot Plate Stirrers

Recessed top keeps stirrers safely away from edges.

- Excellent side-to-side rigidity and support
- Height adjusts from 3 to 15 inches
- Maximum static holding weight of 75 lbs.
- Anodized aluminum and stainless steel construction for durability and strength

Laboratory jack designed specifically for use with rectangular hot plate stirrers like our analog, digital and cloud / wifi enabled models. The narrow, space-saving, design offers a compact footprint compared to traditional, larger, square lab jacks. Built for strength and durability, the top and bottom plates are chemical-resistant, anodized aluminum and the lift mechanism is made of stainless steel and aluminum. The recessed area in the top plate measures 6.375 x 11 inches with a depth of 0.098 inches.

SAVE SPACE!

Compact footprint compared to square jacks:

12.875 x 7.625 inches

Rectangular Lab Jack with Recessed Top Plate

Part No.	Description	Footprint (in.)	Price
CG-3054-H-100	Rectangular Lab Jack	12.875" D x 7.625" W	\$368.10 *



Height adjustable from 3 to 15 inches.

Designed for Safety, Performance & Affordability

See hot plate stirrers on pages 2-5.



Analog CG-1997-S-30



Digital CG-1997-S-40



Cloud / WiFi Enabled CG-1997-V-6 Series

Velp Telescopic H-stand for Overhead Stirrers

New H-Stands are designed to guarantee maximum stability for overhead stirrers. The H-shaped base resists vibrations and other stresses. The telescoping feature enables effort-free raising and lowering of the instruments via a spring-loaded system that makes the stand easy to operate. The stand has an adjustable screw which can be used to compensate for an uneven laboratory bench surface.

VELP Telescopic H-Stand for Stirrers and Mixers

Part No.	Base Width x Depth (mm)	Rod Ht. x Dia. (mm)	Weight (kg)	Max. Load (kg)	Price
CG-2058-100	462 x 430	1015 x 28	4.6	10	\$804.00 *

Velp Universal H-stand for Overhead Stirrers

The H-Stands are designed to guarantee maximum stability for overhead stirrers. The H-shaped base resists vibrations and other stress. The stand has an adjustable screw which can be used to compensate for an uneven laboratory bench surface.

VELP Universal H-Stand for Stirrers and Mixers

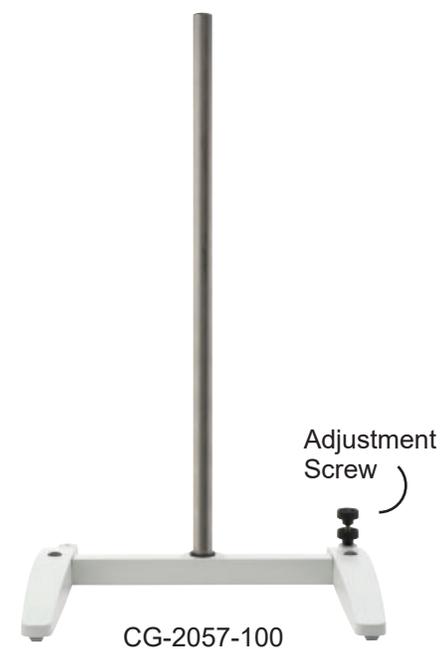
Part No.	Base Width x Depth (mm)	Rod Ht. x Dia. (mm)	Weight (kg)	Max. Load (kg)	Price
CG-2057-100	462 x 430	1015 x 28	4.1	10	\$547.50 *

Velp Double-Sided Stirrer Clamp

Double-sided, powder-coated, aluminum clamp for mounting overhead stirrers to a support stand or rod. The two sides of the clamp have different clamping capacities. The largest side is meant to clamp the vertical support rod on the stirrer stand. The smaller side is for securing the support rod from the back of the overhead stirrer to a vertical rod.

Powder-Coated, Aluminum, Double Clamp for Stirrers and Mixers

Part No.	Clamping Capacity (mm)		Price
CG-2038-C10	Large Side: 8 to 27	Small Side: 8 to 16	\$126.50 *



*Not subject to discount.



OHS Advance
CG-2054-series

Best-In-Class Stirring Power from Chemglass Life Sciences
Take a look at the specs . . .

OHS Advance - Choose from 3 models

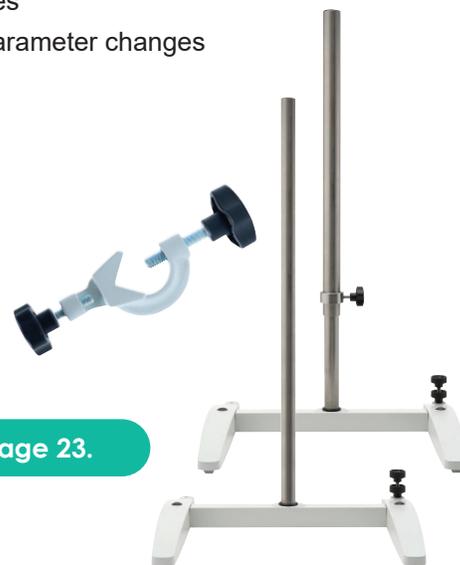
- TFT 3.5" display for effective monitoring of working conditions
- Timer for unattended operations
- Easy knob to navigate the menu and start / stop operations
- Wi-Fi connection to VELP Ermes platform to monitor and control the instrument on the cloud
- Key lock function to avoid unintended parameter changes
- Real time torque and speed graph monitoring
- Probe connection for accurate temperature control
- Programmable methods to set up to 4 time / speed ramps
- State-of-the-art vibration sensor



OHS Digital
CG-2051-series

OHS Digital - Choose from 5 models

- Digital display for precise setting and monitoring
- Timer for unattended operation
- Real time torque tendencies indication
- Easy knob to navigate the menu and start / stop operations
- Brushless motor to ensure high efficiency and low maintenance
- USB interface to document the processes
- Key lock function to avoid unintended parameter changes



See stands and hardware on page 23.

*Not subject to discount.

- Digital interfaces to precisely set and monitor your working parameters
- Leading safety standard (IP54 certified)
- Extremely stable stirring speed available with single or double speed gear
- USB and wi-fi connection through VELP Hermes 24/7 monitoring with subscription
- Real time torque monitor for total control of reactions
- Key lock function prevents unintentional changes
- SpeedServo™ torque compensation maintains rpm constant even under changing viscosities
- SmartChuck™ one-handed operation - no tools needed
- Brushless motor for heavy-duty continuous operation
- Designed and manufactured in compliance with CE, CSA and UL standards

	OHS 60 Advance	OHS 100 Advance	OHS 200 Advance	OHS 20 Digital	OHS 40 Digital	OHS 60 Digital	OHS 100 Digital	OHS 200 Digital
Display	Graphic TFT	Graphic TFT	Graphic TFT	LED	LED	LED	LED	LED
Display Size	3.5"	3.5"	3.5"	7 digits	7 digits	7 digits	7 digits	7 digits
Digital User Interface	yes	yes	yes	yes	yes	yes	yes	yes
Brushless DC Motor	yes	yes	yes	yes	yes	yes	yes	yes
Stirring Vol. H2O (L)	up to 40	up to 100	up to 100	up to 25	up to 25	up to 40	up to 100	up to 100
Speed Gears	1	1	2	1	1	1	1	2
Max. Torque (Ncm)	60	100	200	20	40	60	100	200
Stirring Speed Range (rpm)	30-2000	30-1300	6-400 30-2000	30-2000	30-2000	30-2000	30-1300	6-400 30-2000
Speed Accuracy (rpm)	1	1	1	1	1	1	1	1
Speed Control	digital	digital	digital	digital	digital	digital	digital	digital
Max Viscosity (mPa*s)	50.000	70.000	100.000	10.000	25.000	50.000	70.000	100.000
SpeedServo™ Torque Compensation	yes	yes	yes	yes	yes	yes	yes	yes
Chuck Range Ø (mm)	up to 13	up to 13	up to 13	up to 13	up to 13	up to 13	up to 13	up to 13
Safety Vibration Sensor	yes	yes	yes	-	-	-	-	-
Timer	yes	yes	yes	yes	yes	yes	yes	yes
External Probe Connection	Pt 100	Pt 100	Pt 100	-	-	-	-	-
Temperature Measuring Range °C	-10 to 350	-10 to 350	-10 to 350	-	-	-	-	-
Temperature Res. °C	0.1	0.1	0.1	-	-	-	-	-
Interfaces	USB / WiFi	USB / WiFi	USB / WiFi	USB	USB	USB	USB	USB
W x H x D (mm)	90x285x235	90x285x235	90x315x235	90x285x235	90x285x235	90x285x235	90x285x235	90x315x235
Weight (Kg)	4.1	4.1	4.6	4.1	4.1	4.1	4.1	4.6
Protection Class DIN EN 60529	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54
Part. No.	CG-2054-060	CG-2054-100	CG-2054-200	CG-2051-020	CG-2051-040	CG-2051-060	CG-2051-100	CG-2051-200
Price	\$2,655.00*	\$3,279.00*	\$4,648.00*	\$1,594.00*	\$1,764.00*	\$2,132.00*	\$2,8600.00*	\$3,764.00*



Suitable for liquids up to 1000 mPa*s viscosity

CG-2024-ES15



Complete product descriptions and technical information at

www.cglifesciences.com

Analog Overhead Stirrer, VELP

Excellent Performance

- Can stir up to 15 liters of water
- Will stir liquids up to 1000 mPa*s viscosity
- Soft start prevents splashes & bubbles

Rugged Design with Robust Motor

- Technopolymer structure prevents any possible rust
- Optimum chemical resistance and enhanced handling

Safety Incorporated

- Automatically stops if blocked – no burn-out or damage
- Overload, overcurrent and overtemperature protection
- Sealed to IP 40 standard

Convenient Operation

- Hand-tightened chuck; no tools required
- 3-year warranty

Laboratory overhead stirrer with analog control. Suitable for liquids up to 1000 mPa*s viscosity. Designed and manufactured for offering the longest lifespan available, even in the worst operating conditions. The sealed housing protects the stirrer from aggressive liquids and vapors and prevents internal corrosion. The robust motor ensures to our overhead stirrer's years of continuous operation, with no extra costs for maintenance. Three-year warranty.

Analog Overhead Stirrer

Part No.	Max. Torque (Ncm)	Speed Range (rpm)	Electrical	Price
CG-2024-ES15	15	50 to 1300	110-230V, 50-60Hz	\$1058.00 *

Digital display details four important parameters: set speed, actual speed, torque and time.



CG-2024-10

Digital Overhead Stirrer with Timer and LCD Display

Performance Plus

- Robust motor for powerful stirring
- Soft start prevents splashes & bubbles
- Accurate speed control
- Torque compensation
- Quiet operation

Easy Chuck - No Tools Needed

- Shafts up to 10mm diameter

Safety Protection

- Overload
- Over current
- Over temperature

Suitable for all medium to high-viscosity mixing tasks, this overhead stirrer motor boasts a maximum viscosity of 50,000 mPa / centipoise with a maximum volume of 40 liters of water. Operating time can be set up to 999 minutes and 59 seconds. After the end of the set time, stirring stops automatically.

The case is light-weight, chemical-resistant and rustproof. It's also sealed to prevent internal corrosion and penetration by aggressive liquids and harmful vapors. Safety is built-in with overload, over current and over temperature protection. CE, CSA and UL compliant. Three-year warranty.

Digital Overhead Stirrer

Part No.	Max. Torque (Ncm)	Speed Range (rpm)	Electrical	Price
CG-2024-10	80	50 to 2000	110-230V, 50-60Hz	\$1,919.00 *

*Not subject to discount.

AREC.X with PT100 Probe, VELP

Powerful, square hot plate stirrer with a socket for the connection to a VTF Vertex digital thermoregulator. The ideal solution for laboratories requiring precise temperature control of the medium.

- Stirring up to 15 L volume (H₂O) from 50 up to 1500 rpm
- Thermoregulation range from room temperature to 250°C
- Precise and accurate thermoregulation for enhanced reproducibility
- Powerful stirring for your lab reactions
- Safety and ease-of-use for operators
- Save time with the intuitive user interface



Complete product descriptions and technical information at

www.cglifesciences.com

AREC X Digital, Ceramic Top, Hotplate Stirrer with PT100 Probe

Part No.	Top	Electrical	Price
CG-1999-X-10	Ceramic	115V/60Hz	\$740.00 *

Accessories for AREC Digital Hotplate Stirrers

Part No.	Description	Price
CG-1995-V-20	Digital Thermoregulator Only, with Built In Timer	\$417.00 *
CG-1995-V-22	Vertical Support Rod Only	\$56.00 *
CG-1994-V-25	PT100 Probe / Sensor Only, 3mm Dia.	\$167.00 *

*Not subject to discount.

AREC 10 Digital Ceramic Hot Plate Stirrers, 10in X 10in, 115v/60hz, Velp

The AREC 10 Digital offers precise temperature control, advanced stirring and heating performance, improved safety features, and ease of use. The 10-inch square ceramic plate is highly resistant and ideal for laboratories requiring a spacious working surface. Visit our site for more information.



CG-1999-X-10

AREC X Digital, Ceramic Hot plate Stirrer 10in x 10in

Part No.	Description	Price
CG-1999-10D01	10in x 10in Ceramic Top, Hot Plate Stirrer, 115V/60Hz	\$1,090.00 *
CG-1999-10D03	10in x 10in Ceramic Top, Hot Plate Stirrer, 115V/60Hz, with Probe	\$1,217.00 *
CG-1999-10D05	10in x 10in Ceramic Top, Hot Plate Stirrer, 115V/60Hz, with Probe, Rod, and Clamp	\$1,329.00 *
CG-1999-10D07	10in x 10in Ceramic Top, Hot Plate Stirrer, 115V/60Hz, with VTF Digital Thermoregulator	\$1,481.00 *

*Chemistry Equipment and Hardware Product line



CG-1999-10 Series

VELP, High Volume, Digital, Magnetic Stirrers in Three Sizes

Versatility, Safety and Exclusive Performance

- Gentle start and low speed stirring (20rpm) for sample protection
- Control panel is protected from liquid spills
- Resistant stainless-steel cover for easy visualization of contents
- Safety lock prohibits unintentional changes
- SpeedServo™ technology maintains constant speed
- Programmable operation thanks to the integral timer (1 to 99 min)
- Auto reverse of the stirring direction (5s to 99min55s)
- Intermittent mode option enhances programming capabilities

Designed and manufactured in compliance with CE, CSA and UL standards.

VELP, High Volume, Digital Magnetic Stirrers

Part No.	Stirring Capacity, H2O (L)	Speed Range (rpm)	Electrical	Price
CLS-4108-08	8	40-1500	50-60hz, 100-240V	\$515.00 *
CLS-4109-25	25	40-1500	50-60hz, 100-240V	\$1,106.00 *
CLS-4110-50	50	20-1000	50-60hz, 100-240V	\$2,835.00 *

*Not subject to discount.

