

Cole-Parmer® Rotary Evaporator Systems

Simple operation at an affordable price

- Complete systems for easy ordering
- All units include evaporator with mechanical lift, digital water bath, and standard glassware
- Constant speed control from 20 to 180 rpm
- Maintain constant bath temperature to 90°C with digital water bath

What's included: rotary evaporator with mechanical lift, digital water bath, and standard glassware set.



REQUIRED System Components

- | | |
|------------------------|-----------|
| 1) Rotary evaporator | This page |
| 2) Vacuum pump | 1035-1048 |
| 3) Circulating chiller | 53-70 |

Specifications

Resolution: 1 rpm
Evaporation flask size: 500 mL to 3 L
Glass joint: 24/40
Vacuum seal: PTFE



| Condenser type | Lift mechanism | Rotation speed | Water bath | | | Dimensions (W x H x D) | Power (VAC, Hz) | Catalog number | Price |
|----------------|----------------|----------------|-----------------|----------|-------|---|--------------------|--|-------|
| | | | Temperature | Capacity | Watts | | | | |
| Diagonal | Mechanical | 20 to 180 rpm | Ambient to 90°C | 3 L | 1000 | 28" x 21" x 14" (71 x 53 x 36 cm) | 115, 60 230, 50 | GY-28615-00 GY-28615-01 | |
| Vertical | | | | | | 19½" x 36¼" x 12½" (50 x 92 x 32 cm) | 115, 60 230, 50 | GY-28615-05 GY-28615-06 | |

Replacement Glassware

| Catalog number | Description | Price |
|-----------------------------|--------------------------------------|-------|
| GY-28615-50 | Diagonal condenser for 28615-00, -01 | |
| GY-28615-55 | Vertical condenser for 28615-05, -06 | |
| GY-28615-60 | Evaporating flask, 1 L | |
| GY-28615-65 | Receiving flask, 1 L | |

Accessories

- [GY-28615-70](#) Inlet feed tube
- [GY-28615-80](#) Rotary joint for 28615-00, -01
- [GY-28615-85](#) Rotary joint for 28615-05, -06
- [GY-35031-00](#) Aspirator pump, 115 VAC

Rotary Evaporator Systems

Don't lose valuable samples

- Minimize sample loss with automatic lift—lifts sample out of bath in case of power interruption
- Easily repeat experiments—digital rotation speed for easy setting
- Won't fail—backed by five-year warranty
- No straining to lift sample—motorized lift for easier removal
- Easily dry powders with standard reversing motor

These evaporators are ideal for routine distillations, and feature digital rotational speed setting and display from 20 to 270 rpm. Set bath temperature via analog controller.

What's included: rotary evaporator, water/oil heating bath, condenser set, evaporating and condensing flasks (each 1 L), and 6-ft (1.8-m) power cord.



REQUIRED System Components

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|------------------------|-----------|
| 1) Rotary evaporator | This page |
| 2) Vacuum pump | 1035-1048 |
| 3) Circulating chiller | 53-70 |



Specifications

Rotation speed: 20 to 270 rpm
Evaporation flask size: 50 mL to 3 L
Glass joint: 24/40 (evaporating)
Vacuum seal: PTFE



| Condenser type | Digital display | Water bath | | Dimensions (W x H x D) | Power | Evaporators with uncoated glassware | | Evaporators with safety-coated glassware | |
|----------------|-----------------|-------------|-------|---|--------------------|--|-------|--|-------|
| | | Temp range | Watts | | | Catalog number | Price | Catalog number | Price |
| Vertical | Rotation | 20 to 180°C | 1300 | 19¼" x 16¼" x 16¼" (50.0 x 43.0 x 41.0 cm) | 115 VAC 230 VAC | GY-28710-00 GY-28710-02 | | GY-28710-05 GY-28710-07 | |
| Cold-trap | Rotation | 20 to 180°C | 1300 | 20⅞" x 22¼" x 16¼" (53.0 x 57.0 x 41.0 cm) | 115 VAC 230 VAC | GY-28710-60 GY-28710-62 | | GY-28710-72 GY-28710-74 | |

Digital Rotary Evaporator Systems

Ensure reproducibility and repeatability

- Standard motorized lift for easy height adjustment
- Three glassware configurations to suit your requirements
- Digital display for both bath temperature and rotational speed to record and repeat parameters easily
- Bath is available for either water (up to 100°C) or oil (up to 180°C)
- Built in timer, automatic overload protection, and bath level sensor, are standard

Digital Rotary Evaporators feature speed setting from 10 to 250 rpm. Digital display shows rotation speed. Choose from three glassware configurations: diagonal, vertical, or cold-trap condenser.

Programmable Rotary Evaporators offer the same features as the digital rotary evaporators, plus ten programmable settings to make setup and running easier. Units also feature a vacuum regulator to help monitor and set the vacuum and vapor temperatures.

What's included: rotary evaporator, water or oil heating bath (optional), condenser set, motorized lift, evaporating and receiving flasks (each 1 L), and 6-ft (1.8-m) power cord.



REQUIRED System Components

- | | |
|------------------------|-----------|
| 1) Rotary evaporator | 261 |
| 2) Vacuum pump | 1035-1048 |
| 3) Circulating chiller | 53-70 |



ISO9001:2008
CERTIFIED SUPPLIER

Specifications

Rotation speed: 5 to 250 rpm **Glass joint:** 29/38 **Power:** 115 VAC, 50/60 Hz
Evaporation flask size: 100 mL to 2 L **Vacuum seal:** PTFE

| Condenser type | Digital display | Lift mechanism | Bath | | | | Digital rotary evaporators | | | Programmable rotary evaporators | | | |
|----------------|---------------------|----------------|-------|-----------------------|----------|-------|---|-----------------------------|-----------------------------|---|---|-----------------------------|-----------------------------|
| | | | Type | Temp range | Capacity | Watts | Dimensions (W x H x D) | Catalog number | Price | Dimensions (W x H x D) | Catalog number | Price | |
| Diagonal | Evaporator and bath | Motorized | Water | Ambient +5°C to 90°C | 4 L | 1440 | 32 ¹⁹ / ₃₂ " x 22 ⁷ / ₈ " x 15 ³ / ₄ " (83 x 58 x 40 cm) | GY-28622-05 | — | — | 32 ¹⁹ / ₃₂ " x 28 ³ / ₈ " x 15 ³ / ₄ " (83 x 72 x 40 cm) | GY-28623-00 | GY-28623-05 |
| | | | Oil | Ambient +5°C to 180°C | 4 L | 1440 | | | | | | | |
| Vertical | Evaporator and bath | Motorized | Water | Ambient +5°C to 90°C | 4 L | 1440 | 25 ¹ / ₄ " x 28 ³ / ₈ " x 15 ³ / ₄ " (64 x 72 x 40 cm) | GY-28622-25 | GY-28622-30 | 25 ¹ / ₄ " x 28 ³ / ₈ " x 15 ³ / ₄ " (64 x 72 x 40 cm) | GY-28623-10 | GY-28623-15 | |
| | | | Oil | Ambient +5°C to 180°C | 4 L | 1440 | | | | | | | |
| Cold-trap | Evaporator and bath | Motorized | Water | Ambient +5°C to 90°C | 4 L | 1440 | 25 ¹ / ₄ " x 28 ³ / ₈ " x 15 ³ / ₄ " (64 x 72 x 40 cm) | GY-28622-45 | GY-28622-50 | 25 ¹ / ₄ " x 28 ³ / ₈ " x 15 ³ / ₄ " (64 x 72 x 40 cm) | GY-28623-20 | GY-28623-25 | |
| | | | Oil | Ambient +5°C to 180°C | 4 L | 1440 | | | | | | | |

GY-28622-90 Digital water bath for rotary evaporators; ambient +5°C to 90°C, 115 VAC

GY-28622-95 Digital oil bath for rotary evaporators; ambient +5°C to 180°C, 115 VAC

Cole-Parmer® Evaporator/Concentrators

More consistent evaporation of samples

- Equal flow of gas to individual needles for quicker and more reliable results
- Easily control gas flow with needle valve
- Accommodate different size sample vessels for more versatility
- Accurate temperature control to ±0.25% of heating block

Heated Evaporator/Concentrators hold from 8 to 24 sample vials, and can accommodate tubes from 12- to 16-mm dia. Units also available for handling EPA vials. Manifold gas heating option ensures temperature of sample is maintained by heating the gas before introduction into sample.

Specifications

Pressure: 1 to 20 psi

Dimensions (W x H x D): 7½" x 5" x 5½" (19.1 x 12.7 x 14 cm)



| Description | Accommodates | Gas flow | Temperature range | Power (VAC, Hz) | Catalog number | Price |
|--|------------------------------------|----------|--------------------------|-----------------|-----------------------------|-------|
| Heated single block | 8 EPA vials | 40 L/min | Ambient to 212°F (100°C) | 120, 50/60 | GY-28690-00 | |
| Heated single block with heated manifold gas | | | | | GY-28690-05 | |
| Heated single block | 20 test tubes; 15- to 16-mm dia | 40 L/min | Ambient to 212°F (100°C) | 120, 50/60 | GY-28690-10 | |
| Heated single block with heated manifold gas | | | | | GY-28690-15 | |
| Heated single block | 24 test tubes; 12-mm dia | 40 L/min | Ambient to 212°F (100°C) | 120, 50/60 | GY-28690-20 | |
| Heated single block with heated manifold gas | | | | | GY-28690-25 | |
| Heated single block | 96-well plate | 40 L/min | Ambient to 212°F (100°C) | 120, 50/60 | GY-28690-30 | |
| Heated single block with heated manifold gas | | | | | GY-28690-35 | |

Vacuum Concentrator Packages

No more noisy equipment!

- Get quiet, efficient concentration of small-volume samples
- No more difficult ordering—complete with concentrator, pump, rotor, and trap
- Corrosion-resistant, PTFE-coated chamber for longer life

Small-capacity systems are ideal for concentrating or drying DNA/RNA samples. Dual controls allow you to set independent heat and run times, with choice of three drying times. The systems are designed to accommodate microcentrifuge tubes.

Savant DNA120 Package is for basic small-volume concentrations with solvents including PCR buffers, water, and ethanol. The system includes a DNA concentrator with integral pump and a rotor for 36 x 1.5-mL microtubes.

Savant DNA120-OP Package is designed for use with oligos; it features a glass cover that is chemically resistant to ammonia hydroxide. Recommended solvents include PCR buffers, isopropanol, and ammonium hydroxide. The system includes a DNA concentrator with integral pump, rotor for 36 x 1.5-mL microtubes, chemical trap, and ammonium neutralizing solution.

Savant ISS110-P1 Package delivers efficient processing of larger batches of DNA/RNA samples. Recommended solvents include PCR buffers, ethanol and water, and isopropanol. Integrated system includes a concentrator with pump and built-in cold trap, a 64 x 1.5-mL rotor, and heat transfer fluid (1 L).



Specifications

Temperature range: ambient to 149°F (65°C)

Timer range: 0 to 99 min

Maximum pressure: 7 torr (9 mbar)

| Description | Applications | Accommodates | Dimensions (W x H x D) | Power (VAC, Hz) | Catalog number | Price |
|--------------------------|--|------------------------|--------------------------------------|-----------------|-----------------------------|-------|
| Savant DNA120 package | Prep for electrophoresis; labeling with fluorescent dyes; drying PCR samples | 36 x 1.5-mL microtubes | 11" x 11" x 25" (29 x 29 x 63 cm) | 115, 60 | GY-13045-00 | |
| | | | | 230, 50 | GY-13045-05 | |
| Savant DNA120-OP package | Drying synthetic oligonucleotides in ammonium hydroxide | 36 x 1.5-mL microtubes | 11" x 11" x 25" (29 x 29 x 63 cm) | 115, 60 | GY-13045-10 | |
| | | | | 230, 50 | GY-13045-15 | |
| Savant ISS110-P1 package | Prep for electrophoresis; labeling with fluorescent dyes; drying PCR samples | 64 x 1.5-mL microtubes | 25" x 16" x 26" (62 x 38 x 66 cm) | 115, 60 | GY-13045-20 | |