



The Heidolph Hei-VAP Series

Rotary Evaporators: Intelligent Evaporation

With Industry-Leading Safety and Operational Controls Backed by 3-Year Warranty



The Hei-VAP Series raises the bar in benchtop evaporation. All models accommodate up to a 5L flask, and have a maximum bath temperature of 210°C

Intelligent Evaporation is also intelligent purchasing:

- Long-lasting vacuum seal reduces consumable costs
- Models can be packaged with Heidolph Brinkmann vacuum pumps and other accessories to simplify ordering

Superior safety features are built into every model:

- Detachable operating panel with a 4' tethered cable offers flexibility, eye-level controls and safety distance operation outside of closed fume hoods
- Stainless-steel heat bath has two independent safety circuits for added protection
- Nonsticking vapor tube/clamping sleeve ensures operator safety and ease during vapor tube removal

Before You Buy Rotary Evaporators



Important Terms

Solvent evaporation is a common laboratory application involving the removal of solvent from a mixture or solution to yield a dry residue and/or concentrated solution.

Rotary evaporation utilizes vacuum from a pump/water aspirator to reduce the vapor pressure in a vessel, rotating in a heat bath under minimal thermal load, to reduce potential degradation effects.

Vapor pressure reduction lowers the temperature at which a solvent has a phase change, such as vaporization or boil.

The **rotary evaporator** has six key components involved in the process: **evaporating flask, vapor drive, condenser, receiving flask, vacuum** and **heat bath**.

Product Selection

1. Standard Operating and Safety Features

- ▶ Stainless-steel bath heats to 210°C; IP-67 class power coupling to prevent short-circuits
- ▶ Convenient non-stick vapor tube design to ensure quick, safe, and easy removal
- ▶ Plastic Coating or Standard glassware available; can accommodate 5L round-bottom flask

2. Hei-VAP* Value "The Collegiate" Series

- ▶ Budget-minded analog control unit. Available in hand lift model only.

3. Hei-VAP Advantage Series

- ▶ 3.5" Digital panel evaporator for reproducible results. Available in both hand lift and motor lift configurations. Digital display of rotation, heat bath temperature, vapor temperature (sensor not included), and countdown timer for limited process control.

4. Hei-VAP Precision Series-Intelligent Evaporation

- ▶ 4.3" Color LCD Panel utilizing the Hei-Guide knob to monitor and control vacuum through 3 unique vacuum programs.



The Heidolph Hei-VAP Series Rotary Evaporators: Intelligent Evaporation

	HEI-VAP VALUE, COLLEGIATE/(HL) HAND LIFT Affordable model for all basic applications, Analog Control	HEI-VAP ADVANTAGE/(HL) HAND LIFT Routine distillations, 3.5" Digital Screen, reproducible results	HEI-VAP ADVANTAGE/(ML) MOTOR LIFT Routine distillations, 3.5" Digital Screen, reproducible results	HEI-VAP PRECISION/(HL) HAND LIFT Precise Control Integrated Vacuum Controller, 4.3" Color Screen	HEI-VAP PRECISION/(ML) MOTOR LIFT Precise Control Integrated Vacuum Controller, 4.3" Color Screen
HB GLASSWARE SET G1B COATED DIAGONAL CONDENSER	036000090 13-876-306	036000250 13-878-412	036000450 13-878-432	036001050 13-878-492	036001250 13-878-530
HB GLASSWARE SET G3B COATED VERTICAL CONDENSER	036000110 13-876-308	036000270 13-878-414	036000470 13-878-434	036001070 13-878-495	036001270 13-878-514
HB GLASSWARE SET G5B COATED DRY ICE CONDENSER	036000130 13-876-310	036000310 13-878-418	036000510 13-878-438	036001110 13-878-498	036001310 13-878-518



Hei-VAP Value – The Collegiate:
Affordable model for all basic applications

- Available in Hand Lift (HL) configuration
- Two large dial controls for adjustment of rotation speed and bath temperature
- Optional Manual Vacuum Controller for easy distillations (sold separately)



Hei-VAP Advantage:
For routine distillation applications and reproducible results

- Available in Hand Lift (HL) and Motor Lift (ML) configurations
- Large 3.5" LCD display indicates rotation speed, bath and vapor temperature, and process time; Hei-GUIDE control knob dials up settings
- Available upgrade kit allows easy conversion of Hei-VAP Advantage models to Hei-VAP Precision models



Hei-VAP Precision:
Designed for the most demanding applications requiring the finest integrated vacuum control capabilities

- Available in Hand Lift (HL) and Motor Lift (ML) configurations
- Operating panel has a larger 4.3" LCD display featuring all parameters, integrated vacuum distillation and programs for the automated distillations accessed by the Hei-GUIDE control knob
- A control wizard guides operators through all functions
- Programmable integrated vacuum controller reduces process times

Mfr. No.	Description	Fisher Scientific Cat. No.
036000090	Hei-VAP Value - The Collegiate G1B; 24/40; 115V	13-876-306
036000110	Hei-VAP Value - The Collegiate G3B; 24/40; 115V	13-876-308
036000130	Hei-VAP Value - The Collegiate G5B; 24/40; 115V	13-876-310
036000250	Hei-VAP Advantage HL/G1B; 24/40; 115V	13-878-412
036000270	Hei-VAP Advantage HL/G3B; 24/40; 115V	13-878-414
036000310	Hei-VAP Advantage HL/G5B; 24/40; 115V	13-878-418
036000450	Hei-VAP Advantage ML/G1B; 24/40; 115V	13-878-432
036000470	Hei-VAP Advantage ML/G3B; 24/40; 115V	13-878-434
036000510	Hei-VAP Advantage ML/G5B; 24/40; 115V	13-878-438
036001050	Hei-VAP Precision HL/G1B; 24/40; 115V	13-876-492
036001270	Hei-VAP Precision ML/G3B; 24/40; 115V	13-876-514
036001310	Hei-VAP Precision ML/G5B; 24/40; 115V	13-876-518

* All Evaporators have 24/40 configuration and are 115V



Fisher Scientific

For customer service, call 1-800-766-7000.
To fax an order, use 1-800-926-1166.
To order online: www.fishersci.com

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