

Reduced process times

- ✓ Up to 30 % time savings
- ✓ Remote control operation
- ✓ Longevity to all components



Rotary Evaporators

Intelligent Evaporating

Technical Specifications - Hei-VAP Series

Model	Hei-VAP Value (HL)	Hei-VAP Advantage (HL)	Hei-VAP Advantage (ML)	Hei-VAP Precision (HL)	Hei-VAP Precision (ML)
Hand / Motor lift	hand lift	hand lift	motor lift	hand lift	motor lift
Height adjustment speed	manual	manual	ca. 30 mm/s	manual	ca. 30 mm/s
Height adjustment (mm)	155	155	155	155	155
Rotation speed (rpm)	20 - 280	20 - 280	20 - 280	20 - 280	20 - 280
Rotation speed setting	scale	3.5" LCD display	3.5" LCD display	4.3" LCD graphic display	4.3" LCD graphic display
Drive	DC motor with electronic speed control				
Heating capacity (W)	1300	1300	1300	1300	1300
Temp. range heating bath (°C)	20 - 210	20 - 210	20 - 210	20 - 210	20 - 210
Temperature accuracy (K)	± 1	± 1	± 1	± 1	± 1
Overheat cut-off protection (°C)	5 °C over set temperature via separate PT 1000				
Bath temperature setting	scale	3.5" LCD display	3.5" LCD display	4.3" LCD graphic display	4.3" LCD graphic display
Heating bath temperature control	electronic/digital	electronic/digital	electronic/digital	electronic/digital	electronic/digital
Secondary overtemp. cut-off (°C)	250	250	250	250	250
Material heating bath	V4A (1.4404)	V4A (1.4404)	V4A (1.4404)	V4A (1.4404)	V4A (1.4404)
Diameter heating bath (mm)	255	255	255	255	255
Volume heating bath (l)	4.5	4.5	4.5	4.5	4.5
Display vapor temperature (required accessories)	no	yes Vapor temperature sensor	yes Vapor temperature sensor	yes Vapor temperature sensor	yes Vapor temperature sensor
Integrated vacuum controller	no	no	no	yes	yes
Timer	no	yes	yes	yes	yes
Vacuum program Set _{pressure} **	no	no	no	yes	yes
Vacuum program AUTO _{easy} **	no	no	no	yes	yes
Vacuum program AUTO _{accurate} requires AUTO _{accurate} -sensor	no	no	no	yes	yes
Remote control function					
- Lift	no	no	yes	no	yes
- Start rotation	yes	yes	yes	yes	yes
- Start vacuum	no	no	no	yes	yes
- Start heating bath	yes	yes	yes	yes	yes
Programmable ramps	no	no	no	yes	yes
Supply power (W)	1400	1400	1400	1400	1400
Weight (without glass assembly) (kg)	16	16	16	17	17
Size (l x w x h)**** (mm)	395 x 490 x 430	395 x 490 x 430	395 x 420 x 430	395 x 490 x 430	395 x 420 x 430
Protection class (DIN EN 60529)	IP 20	IP 20	IP 20	IP 20	IP 20
Operation conditions (°C)	0 - 40 at 80% rel. humidity	0 - 40 at 80% rel. humidity	0 - 40 at 80% rel. humidity	0 - 40 at 80% rel. humidity	0 - 40 at 80% rel. humidity
Rate of evaporation (L/h) ΔT* 20/40 °C					
- Toluene	4.1 / 8.2	4.1 / 8.2	4.1 / 8.2	4.1 / 8.2	4.1 / 8.2
- Acetone	2.4 / 4.7	2.4 / 4.7	2.4 / 4.7	2.4 / 4.7	2.4 / 4.7
- Ethanol	1.6 / 3.2	1.6 / 3.2	1.6 / 3.2	1.6 / 3.2	1.6 / 3.2
- Water	0.5 / 1.0	0.5 / 1.0	0.5 / 1.0	0.5 / 1.0	0.5 / 1.0
Condensing surface (cm ²)	1200	1200	1200	1200	1200
Supply voltage *** (V/Hz)	230 V / 50/60 Hz 115 V / 50/60 Hz	230 V / 50/60 Hz 115 V / 50/60 Hz	230 V / 50/60 Hz 115 V / 50/60 Hz	230 V / 50/60 Hz 115 V / 50/60 Hz	230 V / 50/60 Hz 115 V / 50/60 Hz

* ΔT = difference between heating bath temperature and boiling temperature

** only in combination with vacuum systems

*** Standard 230 V/50/60 Hz: others upon request, please specify for order

**** ready for connection

While you concentrate on research, we'll look after your support needs

As we want you to have more time to thoroughly concentrate on your research, the whole Heidolph team enthusiastically provides you with extensive support and helps to reduce your workload.

- 24 hour service for all inquiries
- Individual application support
- Short delivery time for standard equipment
- After sales service provided by your local dealer
- More than 80 distributors worldwide
- Priority technical service
- Long-lasting service life of all products due to corrosion-resistant electronics and maintenance-free motors
- 3 year warranty



Rotary Evaporators

Heidolph Rotary Evaporators are especially used for standard distillations, crystallization, product concentration, powder drying and separation of one or several solvents. High distillation rates and available vacuum/temperature programmability guarantee the fastest and most economical results for your application. Heidolph offers the ideal solution for any requirements:

For small quantities, limited space requirements or teaching applications, we offer affordable but state-of-the-art models. For pilot plants and industrial use, we recommend our large scale 20 liter rotary evaporators. Please find more information in our catalog for industrial evaporators. Call us any time for a copy.



Rotary Evaporators

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Hei-VAP Series

The Hei-VAP Series is **THE** ultimate answer to your requirements.



Operating Panel

If safety, ease of use and flexibility is a top priority for you?
The detachable operating panel offers all in one.

Changing the parameters outside the closed fume hood guarantees the highest **safety** level

Immediate access to the panel ensures ultimate control of the process while increasing the ease of use



Standard for all models is a panel with 1.3 m cable connection. Thus **data security** is guaranteed at any time

An optional remote control operating panel allows you to step away from the evaporator and still monitor all process data increasing your **flexibility** at work

Vapor tube

If safety, ease of use, cost savings and time is a top priority for you?



The vapor tube removes easily from the drive and is designed for **years of service life**. Patent pending

Immediate removal of the vapor tube on the drive facilitates your work

Years of service life **reduces** your **spare part budget** up to 75 %

Highest safety:
As the Hei-VAP vapor tube no longer gets stuck in the drive eliminating broken glass

Hei-VAP Series

Your advantages - our Hei-lights

For your safety

- Two independent safety circuits avoid an overheat situation of your heating bath: If bath temperature overshoots by 5°C and if your water bath runs dry, the heating will be switched off automatically
- To avoid an over temperature situation and potential thermal damage to your substance, you can pre-program on all Precision models a max temperature individually at which the bath shuts off
- In case of a power cut, all motor lift models will remove the flask from the heating bath preventing potential thermal damage to your evaporation solution or safety hazards
- To protect you from splashes and scalding hot water or oil can be removed from the bath through a drain port
- Heating bath is constructed of an insulated double wall for your protection against burns and scalding
- To prevent short-circuits and systematic corrosion from your heating bath, the electrical cable coupling complies with the highest protection class IP 67
- For your protection the operating panel is located near the base and keeps your hands out of the dangerous zone of rotating flasks
- In case of an overshoot of any parameter setting, all digital models will show a warning on the display
- All heating baths features non-slip-handles with safety grip to protect you from scalding bath liquids and makes for easy installation/removal of bath
- Glassware assemblies are optional available with transparent plastic safety coatings ensuring ultimate protection while allowing visual control at all times
- A separate on/off switch for heating prevents an unintentional heat up of your water bath

Safety removal of water or oil through a drain port

Non-slip handles



The guard hood covers the entire bath completely even if the heating bath is adjusted horizontally to its most extreme limit



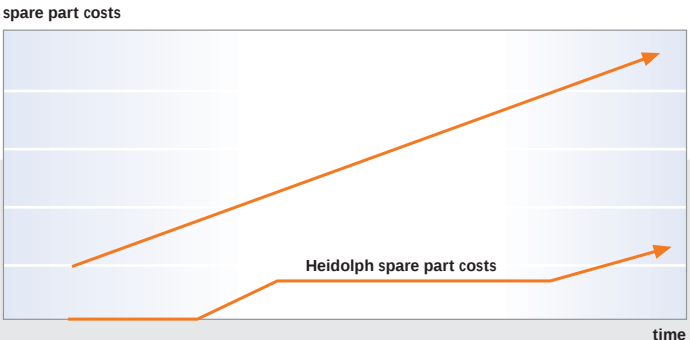
For your ease of use:

- The detachable operating panel can be attached via Velcro or with a special suspension at eye level allowing you the highest level of convenience outside the fume hood
- Standard for all models is a panel with 1.3 m cable connection or optional through a remote control panel for increased flexibility for all Advantage and Precision models. Remote controls are available early 2010 and all previously purchased units can be upgraded
- The evaporating flask clamp can not be lost because it's connected to the vapor tube coupling ring allowing for convenient and easy placement/removal of evaporating flasks
- A flask ejector feature of the vapor tube coupling ring allows you to remove sticking evaporating flasks from the vapor tube just in seconds in a safe manner to the operator
- The universal heating bath can be adjusted horizontally up to 200 mm and offers efficient space to accommodate even 5 Litre flasks
- For your convenience the height and the angle from 20° to 80° of the evaporating flask can be adjusted easily



Sustainable economic benefits - measurable increased efficiency

- Reduce your process times depending on your model and periphery up to 30 %
- The chemical resistant vacuum seal reduces your spare parts budget up to 75 % with prolonged operational lifespan
- Savings at the same high level are possible due to the long service life vapor tube
- Increase your range of applications by using 5 Litre flasks in the universal bath at no added costs
- The coupling ring and the flange on the condenser side of the drive are made of PPS (PolyPhenylene Sulfide), a robust industrial designer resin with superior chemical resistance, and thus provides more chemical resistance than stainless steel or milled aluminium. That reduces corrosion to a minimum with results in additional savings on maintenance and replacement components associated with corrosion effects of moisture condensation from condenser coupled with common corrosive reagents used in daily laboratory activities
- Only Hei-VAP heating baths reach a temperature of 210 °C which is 30 °C higher than other evaporators on the market, and allows for a broader range of applications which previously could not be performed on any Rotary Evaporator
Thus increasing the range of applications eliminates the need for investments in other equipment
- A new coating formula prevents corrosion effectively



Hei-VAP Value

Affordable model with hand lift for all standard applications

- Includes all standard Hei-VAP features for safety, ease of use and economic benefits plus:
- The ease of use of two large dial controls for adjustment of rotation speed and heating bath temperature
- For limited budgets we recommend the optional Manual Vacuum Controller
- For precise vacuum control and reproducible results we recommend the optional digital vacuum controller
- Hei-VAP Value models have no digital display



Hei-VAP Advantage

For your routine distillation applications and reproducible results

- Includes all standard Hei-VAP features for safety, ease of use and economic benefits plus:
- Available in manual hand lift or motor lift configurations
- Experience the advantages of our large digital 3,5" LCD display which indicates rotation speed, heating bath temperature and vapor temperature
- For limited budgets we recommend the optional Manual Vacuum Controller
- For precise vacuum control and reproducible results we recommend the optional digital vacuum controller
- Experience the advantages of the automatic process timer which turns off your evaporator at a pre-programmed time and removes evaporating flask from bath on motor lift models
- Upgrade your Hei-VAP Advantage to a Hei-VAP Precision:

Upgrade-KIT Advantage Precision-ML:
P/N 569-40009-00
Upgrade-KIT Advantage Precision-HL:
P/N 569-30009-00



Article	Glassware	Hand lift (HL)	
		standard	coated
Hei-VAP Value	G1 Diagonal	560-01100-00	560-01110-00
Hei-VAP Value	G3 Vertical	560-01300-00	560-01310-00
Hei-VAP Value	G5 Condensate trap	560-01500-00	560-01510-00
Hei-VAP Value	G6 Vertical for reflux	560-01600-00	560-01610-00

Article	Glassware	Hand lift (HL)		Motor lift (ML)	
		standard	coated	standard	coated
Hei-VAP Advantage	G1 Diagonal	561-01100-00	561-01110-00	562-01100-00	562-01110-00
Hei-VAP Advantage	G3 Vertical	561-01300-00	561-01310-00	562-01300-00	562-01310-00
Hei-VAP Advantage	G5 Condensate trap	561-01500-00	561-01510-00	562-01500-00	562-01510-00
Hei-VAP Advantage	G6 Vertical for reflux	561-01600-00	561-01610-00	562-01600-00	562-01610-00

Hei-VAP Precision

Most demanding applications and the finest integrated vacuum control capabilities

- Includes all standard Hei-VAP features for safety, ease of use and economic benefits plus:
- Available in manual hand lift or motor lift configurations
- Experience the advantages of our large 4,3" graphic display which features all parameters, integrated vacuum controller, and includes programs for automated distillations
- Make your life easier by utilizing the integrated software support which leads you through the capabilities of the evaporator
- For data management Hei-VAP Precision models features USB interface
- Save time by configuring the unit - all connected components and periphery devices will be recognized by the evaporator and eliminates the need to configure the unit manually
- Now you can manage even the most demanding applications easily and eliminate foaming, excessive bubbling or bumping of solutions
- Save time with your individualized pre-programmed parameter settings for your most common applications on a daily basis by saving them as a ramp in memory
- Apply an individual name for those ramps to avoid a mix-up
- Experience the advantages of the automatic process timer which turns off your evaporator at a pre-programmed time and raises flask on motor lift models
- Control your process individually by pre-programming vacuum gradients
- All Hei-VAP models feature a built-in vacuum controller as a standard

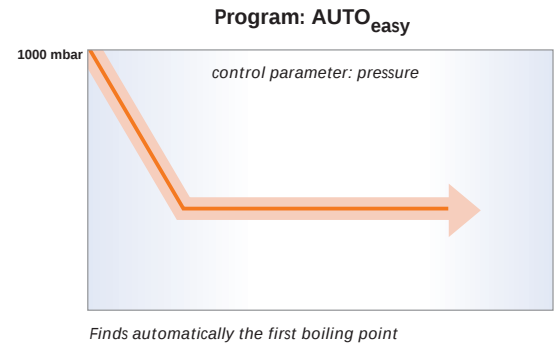
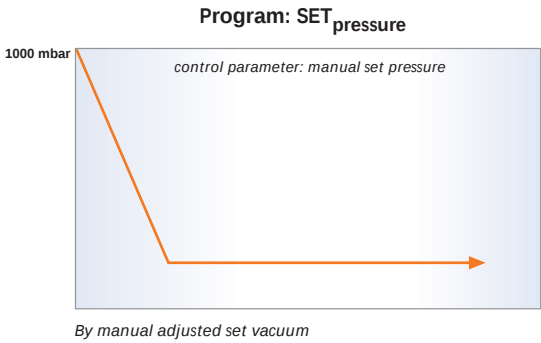


Programs for your process control

Reduce your process times significantly by using these three programs for automated distillation

SET_{pressure}

Program for solvent separations. This program holds a set vacuum constant. During the evacuation you have the full flexibility to choose any other level of vacuum by the press of a button

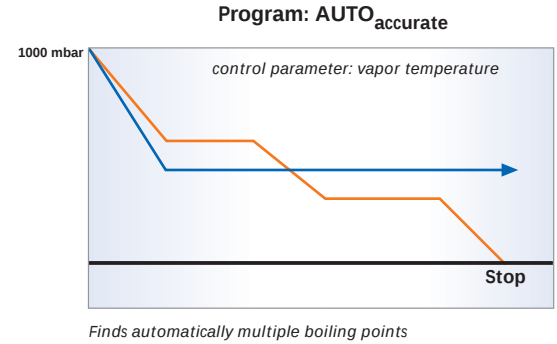


AUTO_{easy}

Supports the automatic pressure control for solvent separations. The necessary pressure for the first boiling point is found automatically. This program can be used with all Heidolph glassware assemblies and does not require any accessories

AUTO_{accurate}

Supports very precise automatic pressure control for solvent separations. This program works similar to AUTO_{easy} but in addition is able to identify multiple boiling points automatically by reducing vacuum accordingly. Also the AUTO_{accurate} program delivers the finest and most precise vacuum results. To take advantage of this program the optional AUTO_{accurate}-sensor is required. Also this program can not be used on Heidolph G1 and G5 glassware assemblies. Leading parameter of this program is the vapor temperature (AUTO_{accurate} is a combination of the previous programs T_{auto} and P_{auto})



➡ Reduce your process times via automated distillation programs

Article	Glassware	Hand lift (HL)		Motor lift (ML)	
		standard	coated	standard	coated
Hei-VAP Precision	G1 Diagonal	563-01100-00	563-01110-00	564-01100-00	564-01110-00
Hei-VAP Precision	G3 Vertical	563-01300-00	563-01310-00	564-01300-00	564-01310-00
Hei-VAP Precision	G5 Condensate trap	563-01500-00	563-01510-00	564-01500-00	564-01510-00
Hei-VAP Precision	G6 Vertical for reflux	563-01600-00	563-01610-00	564-01600-00	564-01610-00

The Modular Concept

The modular concept consists of rotary evaporator, vacuum pump, controller and chiller

- All components are designed to function together

- Self contained design eliminates the need for water, dry ice and vacuum source

- For higher requirements, you can upgrade your Hei-VAP model at any time

- Heidolph offers you a complete system available from one manufacturer

- Use your space in your lab efficiently: The Modular Concept has a footprint of 470 x 580 mm only



The reason why you can reduce your process times up to 30 %

Most precise vacuum control due to fully automatic speed control

The integrated vacuum controller exactly controls pressure by the specific boiling point → no hysteresis

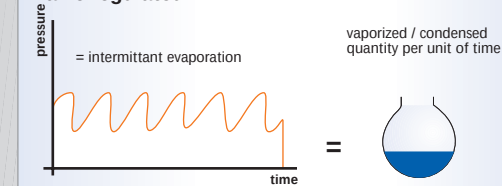
The modular concept allows for highly efficient distillation

The solvent recovery rate is close to 100%

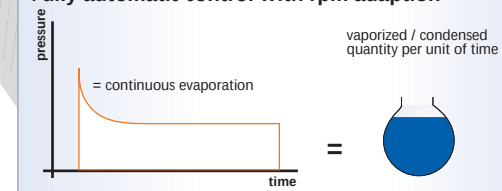
High efficiency, as the time saving will cut down process times and hence, cost

Reduced labor times lead to sustainable economic benefits and measurable increased efficiency

Valve regulated



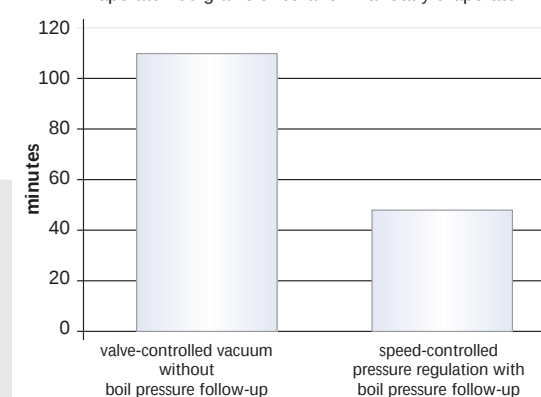
Fully automatic control with rpm adaption



- 30 % reduced process times
- Cost reduction
- Simplest ease of use

Labortime

Evaporate 400 grams of ethanol in a rotary evaporator

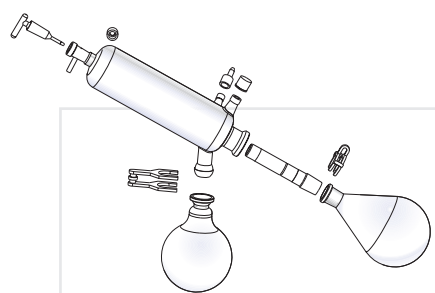


The figures show time saving: When using a speed-controlled system with boiling-pressure follow-up in comparison with a conventional "open/close" valve control without boil pressure follow-up, conditions of test show identical. Used configuration: Hei-VAP Precision with program AUTO_{accurate}

Glassware - Hei-VAP Series

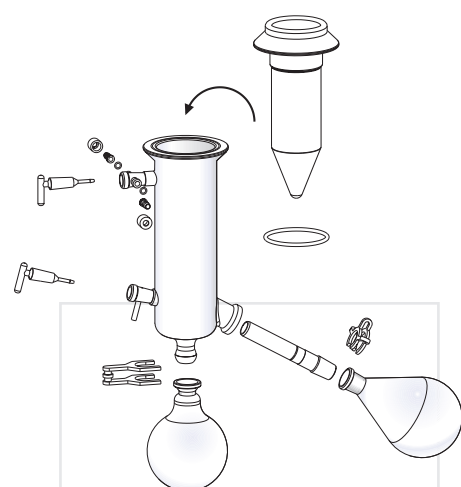
Your benefits

- Glassware set includes one 1000 ml evaporating flask and one 1000 ml receiving flask
- All glassware sets are also available with plastic safety coating (Surlyn® coated) for added safety. Except glassware set G5 is Halar coated
- Evaporating flasks and vapor tubes with the standard ground joint NS 29/32 are also available with NS 24/29 ground joints (please specify when ordering)



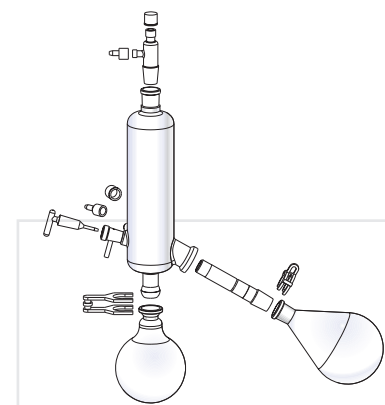
Glassware set G1

- Diagonal condenser for all standard distillations; the alternative with the **most affordable price**



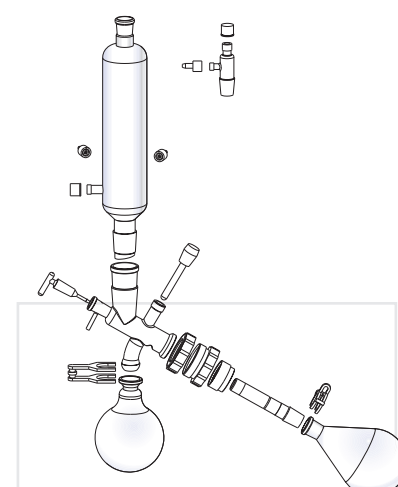
Glassware set G5

- Condensate trap for low-boiling solvents; **cooling by dry ice**



Glassware set G3

- Vertical condenser for all standard distillations; the alternative with the **smallest space requirement**



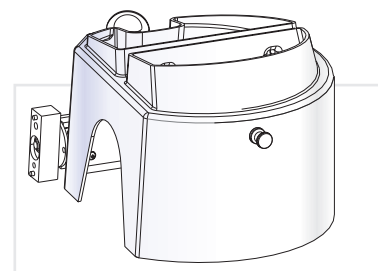
Glassware set G6

- Vertical condenser; centerpiece with valve **for reflux distillation**

- Also available on request, glassware sets for Soxhlet-extraction and descending condensing system
- All glassware sets feature GL 10 thread; the inlet tube can be connected with a threaded fitting
- Glassware G3 and G6 for automated distillation AUTO_{accurate} for Hei-VAP Precision

Accessories - Hei-VAP Series

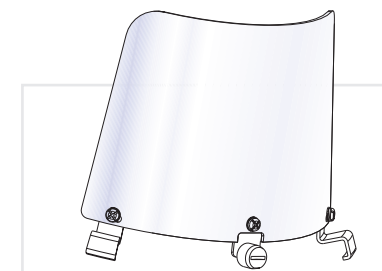
In most cases, not included as a standard



Guard hood

P/N 569-00010-00

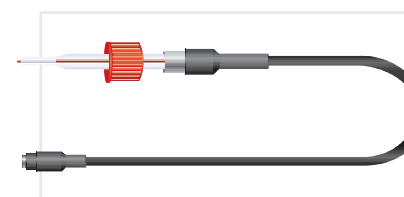
Strong and super-transparent guard hood to protect you from implosions. Excellent visibility to flask. Providing easy and immediate access to flask and bath



Guard shield

P/N 569-00020-00

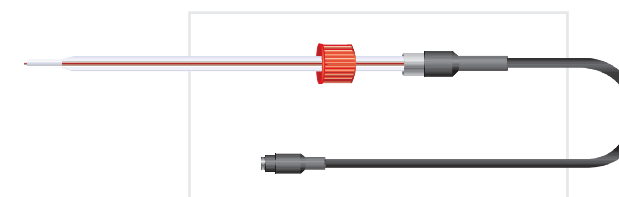
Strong and super-transparent guard shield for your protection while changing flasks. Attached at the edge of the bath



Vapor temperature sensor

P/N 569-00030-00

For Hei-VAP Advantage and Hei-VAP Precision models



AUTO_{accurate}-sensor

P/N 569-00040-00

For Hei-VAP Precision models, only in combination with glassware set G3 and G6



Heating bath liquid (5 L)

P/N 515-31000-00

With water mixable heating bath liquid for temperatures up to 240° C



Tube set

P/N 591-35000-00

Consists of 5 meters vacuum hose and 6 meters water hose



Vacuum seal made of PTFE

P/N 23-30-01-01-30



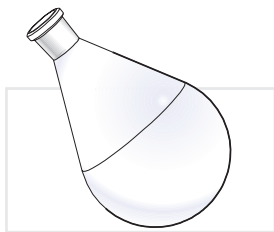
Clamping sleeve

P/N 23-30-01-05-31

Vapor tube NS 29/32

P/N 514-00000-01

Accessories - Hei-VAP Series

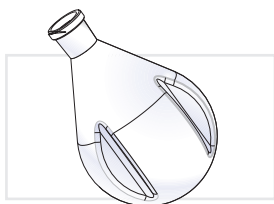


Evaporating flasks	NS 29/32	NS 24/29
Evaporating flasks* 50 ml	514-70000-00	514-70000-01
Evaporating flasks 100 ml	514-71000-00	514-71000-01
Evaporating flasks 250 ml	514-72000-00	514-72000-01
Evaporating flasks 500 ml	514-73000-00	514-73000-01
Evaporating flasks 1000 ml	514-74000-00	514-74000-01
Evaporating flasks 2000 ml	514-75000-00	514-75000-01
Evaporating flasks 3000 ml	514-76300-00	514-76300-01

* Evaporating flask NS 14,5 incl. transition piece (NS 29 or NS 24)



Receiving flask	standard	coated
Receiving flasks - S 35/20 100 ml	514-81000-00	514-81000-02
Receiving flasks - S 35/20 250 ml	514-82000-00	514-82000-02
Receiving flasks - S 35/20 500 ml	514-83000-00	514-83000-02
Receiving flasks - S 35/20 1000 ml	514-84000-00	514-84000-02
Receiving flasks - S 35/20 2000 ml	514-85000-00	514-85000-02
Receiving flasks - S 35/20 3000 ml	514-87000-00	514-87000-02



Powder flasks	NS 29/32	NS 24/29
Powder flasks 500 ml	514-73200-00	514-73200-01
Powder flasks 1000 ml	514-74200-00	514-74200-01
Powder flasks 2000 ml	514-75300-00	514-75300-01



	NS 29/32	NS 24/29
Spider with 6 distillation sleeves NS 14.5 20 ml	15-300-005-09	15-300-005-12
Spider with 12 distillation sleeves NS 14.5 20 ml	15-300-005-10	15-300-005-13
Spider with 20 distillation sleeves NS 14.5 20 ml	15-300-005-11	15-300-005-06



	NS 29/32	NS 24/29
Spider with 5 flasks NS 24 50 ml	15-300-005-04	15-300-005-08
Spider with 5 flasks NS 24 100 ml	15-300-005-07	15-300-005-05



	NS 29/32	NS 24/29
Evaporating cylinders 500 ml	514-00070-00	514-00070-01
Evaporating cylinders 1500 ml	514-00071-00	514-00071-00



	NS 29/32	NS 24/29
Foam brake with flask clamp	514-00004-00	514-00005-00

Vacuum accessories - Hei-VAP Series

Vac control automatic

Upgrade your Hei-VAP Value/Advantage

- Control your house vacuum or any other vacuum source
- Assembling on evaporator possible
- Features 3 displays for actual, set vacuum and operating mode
- Process timer allows for unattended operations
- Reduces pressure during distillation
- Includes vacuum sensor and vent valve
- Controller finds automatically required vacuum and holds vacuum constant
- Power input: 13 W, Weight: 0.7 kg
- Dimensions: 145 x 85 x 85 (l x w x h / mm)



Vac control automatic
P/N 569-00340-00

Manual Vacuum Controller

For Hei-VAP Value/Advantage

- This controller is an affordable alternative to our Vac control automatic, particularly for tenders or low budget projects
- Control your house vacuum or any other vacuum source
- Scale from 0 to 1020 mbar
- Scale of display: 50 mbar
- Adapter for the tube with inner diameter: 8 mm
- Support rod included
- Assembling on evaporator possible
- Dimensions: 80 x 80 x 150 (l x w x h / mm)



Manual Vacuum Controller
P/N 591-26000-00

Switchbox

Connect up to 3 rotary evaporators to one pump and control vacuum individually

- Pump switches off automatically at required vacuum
- Reduces energy consumption of pump
- Increases performance life of the pump due to a complete switch-off, if vacuum is reached
- Vacuum valve and non-return valve are required for every evaporator if you work with different pressures at the same time
- Delivery includes 3 non-return valves
- Weight: 0.6 kg
- Dimensions: 160 x 45 x 80 (l x w x h / mm)
- Designed for all Hei-VAP models with valve-regulated vacuum pumps



Switchbox
P/N 569-00400-00

Vacuum valve

Required for Hei-VAP models with valve regulated pumps

- External positioning designed for easy cleaning
- Can be combined with the Woulff Bottle for one unit

Woulff Bottle (optional)

- Additional recovery of solvent in conjunction with condenser to protect vacuum valve and vacuum pump
- Direct connection to the vacuum valve
- Features connection to vacuum controller
- Space requirements of 250 ml



Vacuum valve
P/N 569-00060-00

Woulff Bottle
P/N 569-00070-00

Valve regulated vacuum pumps

Designed for all Hei-VAP models

Rotavac valve control

- Two-stage diaphragm pump made from chemically resistant materials
- High suction capacity of 1.7 m³/h, for fast evacuation
- Suction capacity for up to 3 rotary evaporators at the same time
- The Rotavac valve control achieves an ultimate vacuum of 9 mbar
- The Rotavac valve control can be combined with a condensate cooler (P/N 591-00081-00)
- Power input: 180 W, Weight: 10.5 kg
- Dimensions: 245 x 295 x 185 (l x w x h / mm)



Rotavac valve control
P/N 591-00130-00
Condensate cooler
P/N 591-00081-00

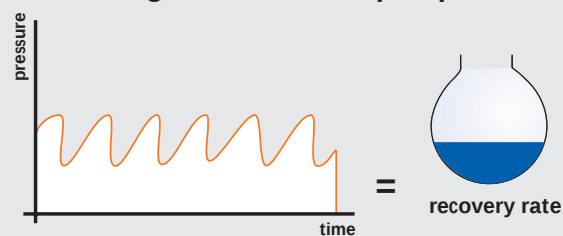
Rotavac valve tec

- Two-stage diaphragm pump made from chemically resistant materials
- Suction capacity of 0.75 m³/h
- The Rotavac valve tec achieves an ultimate vacuum of 12 mbar
- The Rotavac valve tec can be combined with a condensate cooler (P/N 591-00083-00)
- Power input: 80 W, Weight: 6 kg
- Dimensions: 315 x 145 x 169 (l x w x h / mm)



Rotavac valve tec
P/N 591-00160-00

Valve regulated vacuum pump



RPM regulated vacuum pumps

Designed for the Hei-VAP Precision models

- Speed signal comes from the Hei-VAP rotary evaporator
- Highest distillation rates possible while reducing process time by 30 %
- Improved solvent recovery up to 100 %, stable distillation conditions

- Significant noise and vibration reduction
- Minimal bench space requirements
- Includes vacuum sensor and valves

Rotavac vario control

Adjustable speed of the pump produces the most precise vacuum control

- Three-stage diaphragm pump is made from chemically resistant materials
- High suction capacity of 1.5 m³/h, for fastest evacuation
- The Rotavac vario control achieves an ultimate vacuum of 2 mbar
- The Rotavac vario control can be combined with a condensate cooler (P/N 591-00084-00)
- Power input: 160 W, Weight: 5.4 kg
- Dimensions: 236 x 167 x 196 (l x w x h / mm)



Rotavac vario control
P/N 591-00141-00

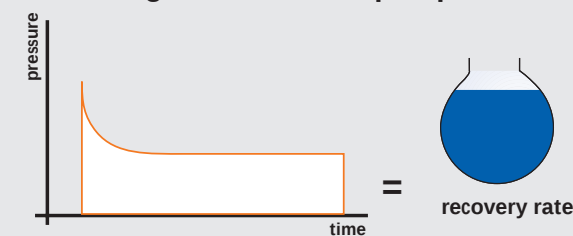
Rotavac vario tec

- Two-stage diaphragm pump is made from chemically resistant materials
- Suction capacity of 1.0 m³/h, for fast evacuation
- The Rotavac vario tec achieves an ultimate vacuum of 12 mbar
- The Rotavac vario tec can be combined with a condensate cooler (P/N 591-00084-00)
- Power input: 160 W, Weight: 4.3 kg
- Dimensions: 236 x 156 x 196 (l x w x h / mm)



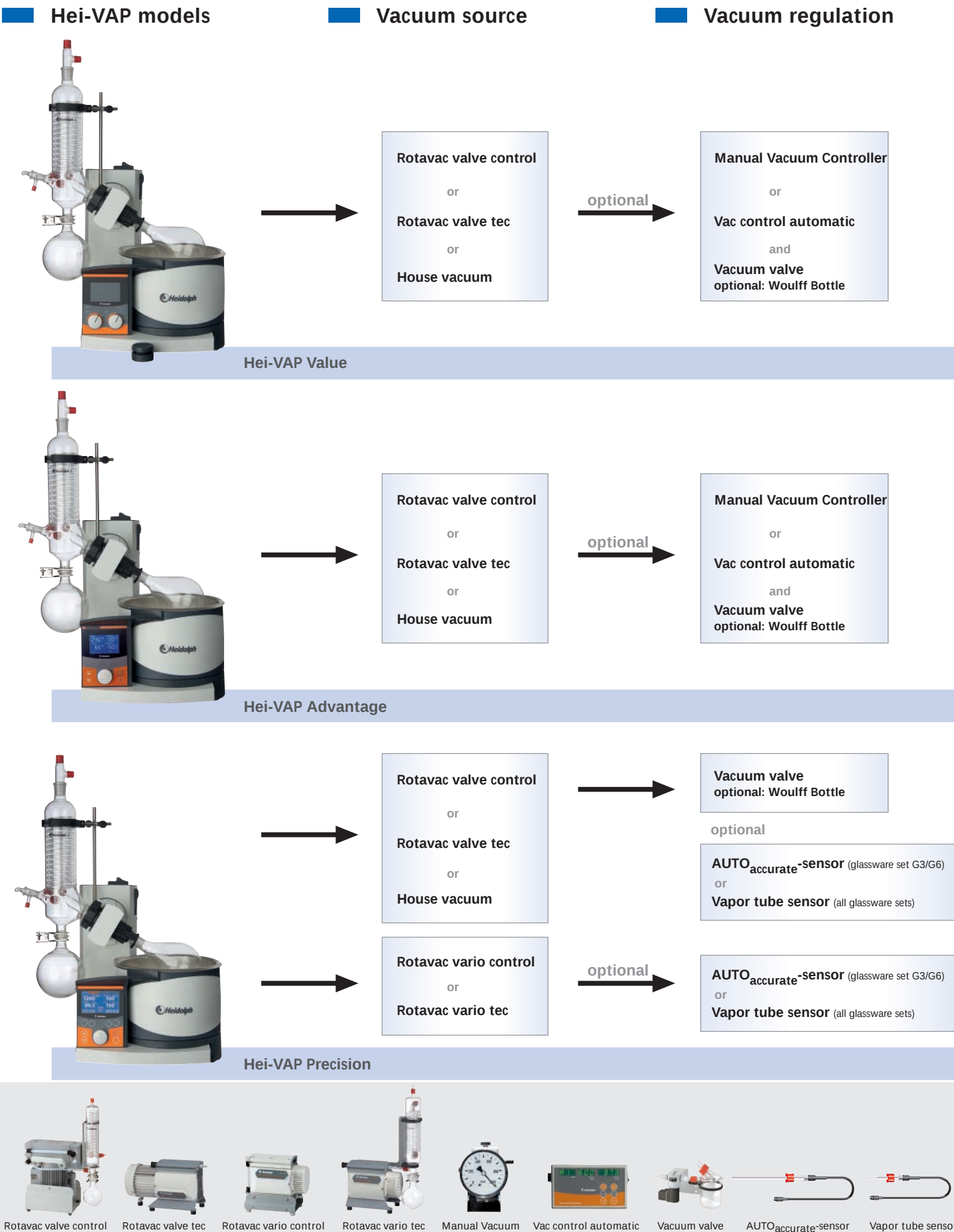
Rotavac vario tec
P/N 591-00171-00
Condensate cooler
P/N 591-00084-00

RPM regulated vacuum pump



Equipment Combination

Configuration Tool



Choose the right Hei-VAP model

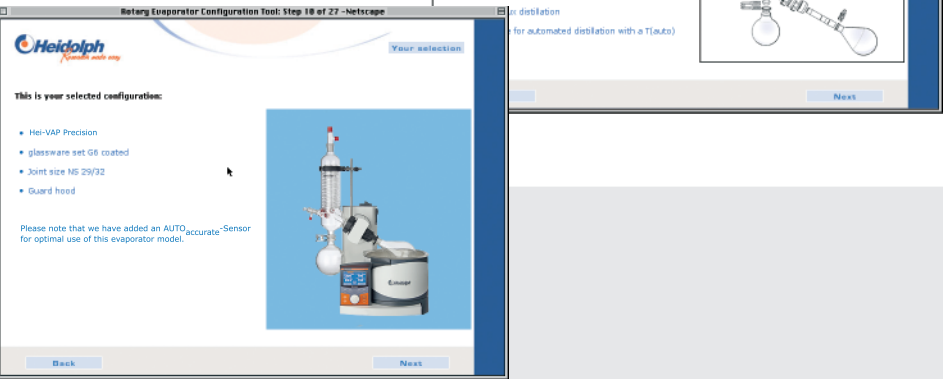
Our Configuration Tool for the Hei-VAP series helps you to find the most appropriate configuration for your specific application. This tool is designed to walk you through several questions concerning vacuum source, glassware set and accessories, and upon completion, the Configuration Tool shows you which items we would recommend to meet your requirements.

At www.heidolph.com you have the possibility to use the configuration tool online.

Configuration Tool
P/N 27-001-004-04



Extraction from the Configuration Tool



Complete Packages at a special price

Complete Packages BASIC

Standard equipment for your lab

BASIC 1 T

- Hei-VAP Value with a 100 °C heating bath and hand lift incl. coated glassware set G1B, vacuum pump Rotavac valve tec & tube set
P/N 560-91110-00

BASIC 1

- Hei-VAP Value with a 100 °C heating bath and hand lift incl. coated glassware set G1B, vacuum pump Rotavac valve control & tube set
P/N 560-81110-00

Complete Packages SUPERIOR

Automated distillation with Hei-VAP Precision hand lift models and valve regulated vacuum control

SUPERIOR 1 T

- Hei-VAP Precision with a 210 °C heating bath incl. coated glassware G1B, vapor temperature sensor, vacuum valve, vacuum pump Rotavac valve tec with condensate cooler & tube set
P/N 563-61110-00

SUPERIOR 1

- Hei-VAP Precision with a 210 °C heating bath incl. coated glassware set G3B, AUTOaccurate-sensor, vacuum valve, vacuum pump Rotavac valve control with condensate cooler & tube set
P/N 563-51310-00

Complete Packages STANDARD

For standard distillations with unregulated vacuum

STANDARD 3 T

- Hei-VAP Advantage with a 210 °C heating bath and hand lift incl. glassware set G1, vacuum pump Rotavac valve tec & tube set
P/N 561-91100-00

STANDARD 4

- Hei-VAP Advantage with a 210 °C heating bath and hand lift incl. coated glassware set G3B, vacuum pump Rotavac valve control & tube set
P/N 561-81310-00

For standard distillations with regulated vacuum control

STANDARD 5 T

- Hei-VAP Advantage with a 210 °C heating bath and hand lift incl. coated glassware set G3B, vacuum pump Rotavac valve tec, vacuum valve, vacuum controller Vac control automatic & tube set
P/N 561-41310-00

STANDARD 5

- Hei-VAP Advantage with a 210 °C heating bath and hand lift incl. coated glassware set G3B, vacuum pump Rotavac valve control, vacuum valve, vacuum controller Vac control automatic & tube set
P/N 561-31310-00

Complete Packages PREMIUM

Automated distillation with Hei-VAP Precision motor lift models and rpm-regulated vacuum control

Rotatary Evaporator with **motor lift**, a 210 °C heating bath, glassware set, vacuum pump Rotavac vario control incl. condensate cooler, AUTOaccurate-sensor & tube set

PREMIUM 7	Hei-VAP Precision with motor lift, glassware set G3	P/N 564-71300-00
PREMIUM 10	Hei-VAP Precision with motor lift, coated glassware set G3B	P/N 564-71310-00
PREMIUM 12	Hei-VAP Precision with motor lift, coated glassware set G6B	P/N 564-71610-00
PREMIUM 10 cool	Same as PREMIUM 10, but in addition with the chiller Rotacool	P/N 564-71318-00



Rotacool

- High cooling capacity - minimal bench space
- The only chiller designed specifically for rotary evaporators
 - Minimal bench space due to unique "L" shape design
 - Long-lasting service life
 - Footprint of chiller: 470 x 580 mm
 - Provides space of 470 x 405 mm for evaporator
 - Temperature range: -10 °C to +40 °C
 - Small quantity of circulating coolant required due to innovative technology
 - Precise temperature control of ± 0.5 °C



Rotacool
P/N 591-00200-00

RotaChill

- The affordable model
- Quick cool down
 - Temperature range: -20 °C to +100 °C
 - Temperature control: ± 0.2 °C
 - No digital display



RotaChill
P/N 591-00220-00

Rotacool mini

- Ideal for routine application
- Chiller for all bench top evaporators
 - Small footprint of chiller: 225 x 450 mm
 - Cooling temperature: 7 °C (not adjustable)
 - Cooling capacity: at 7 °C, 370 W
 - No digital display



Rotacool mini
P/N 591-00210-00

	Rotacool	Rotacool mini	RotaChill
Temperature range [°C]	-10° to +40°	7° (constant)	-20° to +100°
Coolant charge [L]	1.5	3	6
Cooling capacity at: +20 °C [W]	420	370	200
0 °C	350		140
- 10 °C	220		100

at 20 °C ambient temperature



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