

**RESEARCH  
MADE EASY**  
**SOLUTIONS  
OVERVIEW**

# YOU

THE RESEARCHER  
*The center of what we do*

## CONSULTATION

Helping & advising on solutions tailored to your research with application support, demonstrations & trials.



## PREMIUM QUALITY

Product quality assurance according to the CE declaration of conformity, an average ten-year life span, & comprehensive three-year warranty.

## SERVICE SUPPORT

Service team provides yearly preventative maintenance, troubleshooting support, off & on site repairs & loaners to prevent downtime in the lab.

## INSTALL & TRAINING

Helping you become more familiar with your new product with on-board training & ensuring your product remains at peak performance with check-ins & health days.



## CONTACT US

Scan here to contact the **Heidolph Service team** for:

- ✓ IQ/OQ Validation
- ✓ Installation and Training
- ✓ Troubleshooting Support
- ✓ Spare Parts
- ✓ Routine and Targeted Maintenance
- ✓ Warranty



# SOLUTION LEVELS

Heidolph offers a wide range of premium laboratory equipment for a variety of laboratory applications. We offer 3 levels to support the needs of your laboratory: Core, Expert and Ultimate.

## CORE

THE LABORATORY ESSENTIAL



EVAPORATORS



SHAKERS



MAGNETIC STIRRERS



OVERHEAD STIRRERS



PERISTALTIC PUMPS

PRECISION ●●●●●

QUALITY ●●●●●

CONTROL OF PARAMETERS ●●○○○

## EXPERT

ELEVATED PRODUCTIVITY



EVAPORATORS



SHAKERS



MAGNETIC STIRRERS



OVERHEAD STIRRERS



PERISTALTIC PUMPS

PRECISION ●●●●●

QUALITY ●●●●●

CONTROL OF PARAMETERS ●●●○○

## ULTIMATE

CONNECTIVITY AND CONTROL



EVAPORATORS



MAGNETIC STIRRERS



OVERHEAD STIRRERS



PERISTALTIC PUMPS

PRECISION ●●●●●

QUALITY ●●●●●

CONTROL OF PARAMETERS ●●●●●

# EVAPORATION

Backed by 30+ years of expertise, Hei-VAP rotary evaporators deliver cutting-edge performance for efficient solvent evaporation in laboratory and industrial environments.

- Engineered for simplicity and precision, combining accurate temperature control with reliable vacuum performance to streamline solvent removal.
- Ideal for a wide range of applications, including:
  - Purification & separation of reaction products
  - Solvent removal
  - Concentration, powder drying, and extraction of natural products
  - Environmental & food safety testing



CE Certified



3 Year Warranty



Energy Efficiency



Safety



Sustainability



Scan here to learn more about the **Evaporation Lineup**



## Hei-VAP BENCHTOP ROTARY EVAPORATORS

Engineered to master the full spectrum—from basic evaporation to higher volumes—with intuitive control, intelligent automation, and rock-solid reliability all in a compact benchtop design.

### 2.5 L - 85 L EVAPORATION PER DAY

when paired with Hei-VOLUME Distimatic Pro



Accommodates 50 - 5000 ml flask size



Unmatched system vacuum tightness



Patented clamping sleeve alleviates glass on metal connections, preventing stuck vapor tubes

#### Hei-VAP Models:

	Core	Expert / Ultimate	Control
Digital display set / actual bath temp and rotation speed	✓	✓	✓
Timer		✓	✓
Max. temperature limitation		✓	✓
Solvent Library			✓
Integrated control of vacuum pump and chiller			✓

## COMPLETE THE PACKAGE

Our full selection of Hei-VAC vacuum pumps and Hei-CHILL chillers are engineered for seamless compatibility with both benchtop and industrial-scale rotary evaporators.



### VACUUM PUMPS

RPM or valve regulated pump options to fully optimize your evaporation



### CHILLERS

Award winning thermostat range to quickly and accurately achieve optimal cooling temperatures for benchtop and industrial evaporation.



## Hei-VAP INDUSTRIAL ROTARY EVAPORATORS

Perfectly designed for a great deal of different distilling processes, from standard evaporation without vacuum control up to complex distillation processes with vacuum control.



Evaporates up to 350 L per day



Automatic water bath refill system



Easy to use panel to help you set optimal parameters and safety features

HEIDOLPH EXCLUSIVE

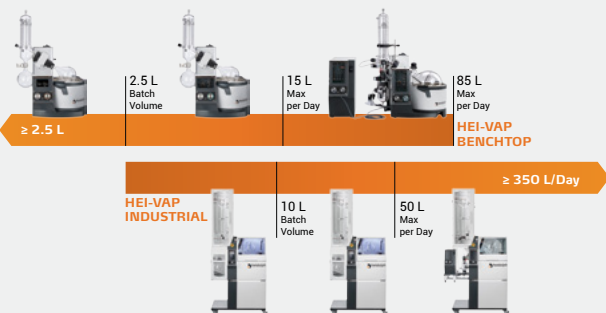
# AUTOMATED EVAPORATION

Hei-VOLUME DISTIMATIC PRO Integrated Module for Benchtop and Industrial Evaporator

Saves time. Increases throughput. Reduces costs.

Hei-VOLUME Distimatic Pro automates feeding, distillation, and drainage for truly unattended operation. When paired with a Hei-VAP Industrial, it offers a flexible alternative to oversized 50–100 L evaporators—maximizing efficiency and return on investment.

## 50+ L EVAPORATION PER DAY



For full infographic please visit [heidolph.com](http://heidolph.com)

SEAMLESS INTEGRATION  
Hei-CHILL  
BASECART CHILLER  
Save space without compromising cooling power



**10 L - 350 L**  
EVAPORATION PER DAY  
when paired with Hei-VOLUME Distimatic Pro

# PARALLEL SAMPLE EVAPORATION

Scan here to learn  
more about Parallel  
Sample Evaporation



## miVac

Cost-Conscious, Small, Simple  
Centrifugal Concentrator

Dry Low Volumes Water or Solvent.



## EZ-2 4.0

Versatile, easy to use all in one parallel  
sample evaporator.

Supports a broad range of sample  
formats and solvents.



## HT Series 3i

Scalable High Throughput small sample  
parallel evaporation

3–6× the capacity with the same  
compact footprint.

# STIRRING & HEATING

## OVERHEAD STIRRERS

Small but Fierce, Hei-TORQUE overhead stirrers offer an all-purpose stirrer that provides the best mixing results even for very challenging applications. Choose from our Core, Expert, and Ultimate models to find the torque that best suits your application.



Scan here to learn more about  
Hei-TORQUE overhead stirrers



### QUICK CHUCK

The Integrated Quick Chuck allows for one-handed stirring blade changes without any tools, saving both time and costs.



### EFFICIENT MIXING

The ability to change direction enhances mixing for suspensions or dissolving, ultimately saving time in Ultimate 100 and 200 models.



### SLIDER

On the Hei-TORQUE Expert and Ultimate, the slider control for device power ensures safety by preventing unintentional device activation.



### SAFETY SETTINGS

Safety settings, including start speed and torque limit, are maintained within specific limits to prevent spilling when starting the Hei-TORQUE.





## MAGNETIC STIRRERS

Backed by **Heidolph's exclusive 10 year warranty**, the Hei-PLATE Mix 'n' Heat hotplates offer industry leading safety, accuracy and efficiency for all your applications.



CE Certified



Energy Efficiency



Safety



Sustainability



10 Year Warranty

10

### HEAT-ON-BLOCK

Safety for your laboratory

Replace the heating baths and heating mantles in your laboratory and reduce the risk of fire and burns.

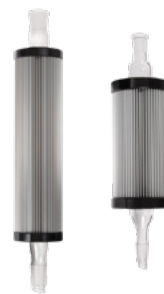
### E-LIFT

Electronic lab jack e-Lift to provide extra safety in case of an error and to realize automated reactions.

Compatible & controlled with Hei-PLATE Mix 'n' Heat Ultimate magnetic stirrer.

### STARFISH

Multi-reaction block allows you to process numerous reactions on a small footprint at significantly reduced process times.



### FINDERSEN<sup>TM</sup>

Waterless Condenser that utilizes air instead of water providing safety and sustainability for your laboratory.



3 Year Warranty on the e-Lift

Scan here to learn more about Hei-PLATE Mix 'n' Heat hotplates and accessories



### UNIQUE KERA-DISK<sup>®</sup>

The 145mm Kera-Disk<sup>®</sup> plate combines ceramic for chemical resistance with aluminum for rapid heat-up, optimizing processes with superior thermal conductivity and durability.



### DIE-CAST HOUSING

The fire-resistant die-cast housing prevents damage to inner components, providing outstanding protection against heat, chemicals, and falls.



### SAFETY CIRCUITS

With two independent safety circuits, the heating function shuts off in case of overtemperature, minimizing the risk of accidents or fires.

# SHAKING & VORTEXING

The Hei-SHAKE line offers 6 different movements for all of your applications: **orbital, vibrating, 3D, rocking, reciprocating and overhead.**



Orbital



Vibrating



Wave (3D)



Rock



Reciprocating



Overhead



3 Year  
Warranty



Energy  
Efficiency



Safety



## PLATFORM SHAKERS

Platform shakers with various movement types and weight capacity



## OVERHEAD SHAKERS

Overhead shakers are suitable for various applications, offering the ability to evenly mix and distribute contents.



## VORTEXERS

Whether it's for solubilizing solids, resuspending of cell pellets, or simply mixing individual samples in test tubes, a vortexer always plays a central role in every laboratory



Scan here to learn more about the Hei-SHAKE line



## INCUBATOR 1000

Seamlessly integrate your 1000 series shaker with Heidolph's modular Incubator 1000, allowing for simultaneous tempering and optimized lab space.

## NEW LINEUP!

### Hei-SHAKE ORBITAL CORE

The Hei-SHAKE Orbital Core drives progress in every lab. With a wide speed range (1–530 rpm), precise 20 mm orbit, low temperature rise on platform, and remote-control capability, it ensures optimal conditions for sensitive samples and reproducible results. Designed for safety, reliability, and user comfort, it supports applications from cell cultures to solubility studies.

Scan here to explore the Hei-SHAKE Orbital Lineup



# LIQUID HANDLING

## Hei-FLOW PERISTALTIC PUMPS

Efficient pumping and precise dosing, even using corrosive, sterile and viscous media.

**Mix and Match** - Achieve your desired flow rate:

1. Select the pump drive for individual requirements (Core, Expert, Ultimate) for volume transfer or precise dosing, analog or digital remote control
2. Select the pump head for individual requirements (single or multi-channel for individual applications)
3. Choose tubing for your desired flow rate and medium



### LONG-TERM DURABILITY

Long term durability means that your pump will last years without needing to be replaced.



### ISOLATED MEDIA

Pumped media never comes in contact with the pump head, drive, or user, eliminating the risk of cross-contamination.



3 Year Warranty



Safety



# WATER PURIFICATION

Scan here to learn more about Water Purification Solutions



Choose your laboratory water purification system with confidence:

**AVIDITY**  
SCIENCE  
AN ATS COMPANY

## TYPES OF PURITY:

**Type I UltraPure**  
18.2MΩ·cm

**Type II Deionized (DI)**  
1 - 15MΩ·cm

**Type III Reverse Osmosis (RO)**  
<40μS/cm

Up to 98% rejection of incoming feedwater inorganics, typically



Sustainability

### Solo™ S

Features reusable cartridges, helping to cut down waste and reduce your carbon footprint.

Type I



### Geno™ II

User-oriented deionised (DI) water purification system for laboratories and hospitals

Type II



### Duo™ II.1

The 2-in-1 compact water purification system lowering operational costs while maximising laboratory space

Types I & II

# NEW REACTOR STATIONS

## HEI-REACT | LAB REACTORS

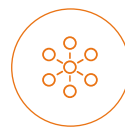
Heidolph's first laboratory reactor, effortlessly guiding you from small-volume discovery to larger-scale reactions.



**Unique Ergonomy**



**Scale without Compromise**



**Unlimited Flexibility**

### SEAMLESS INTEGRATION

WITH HEI-TORQUE

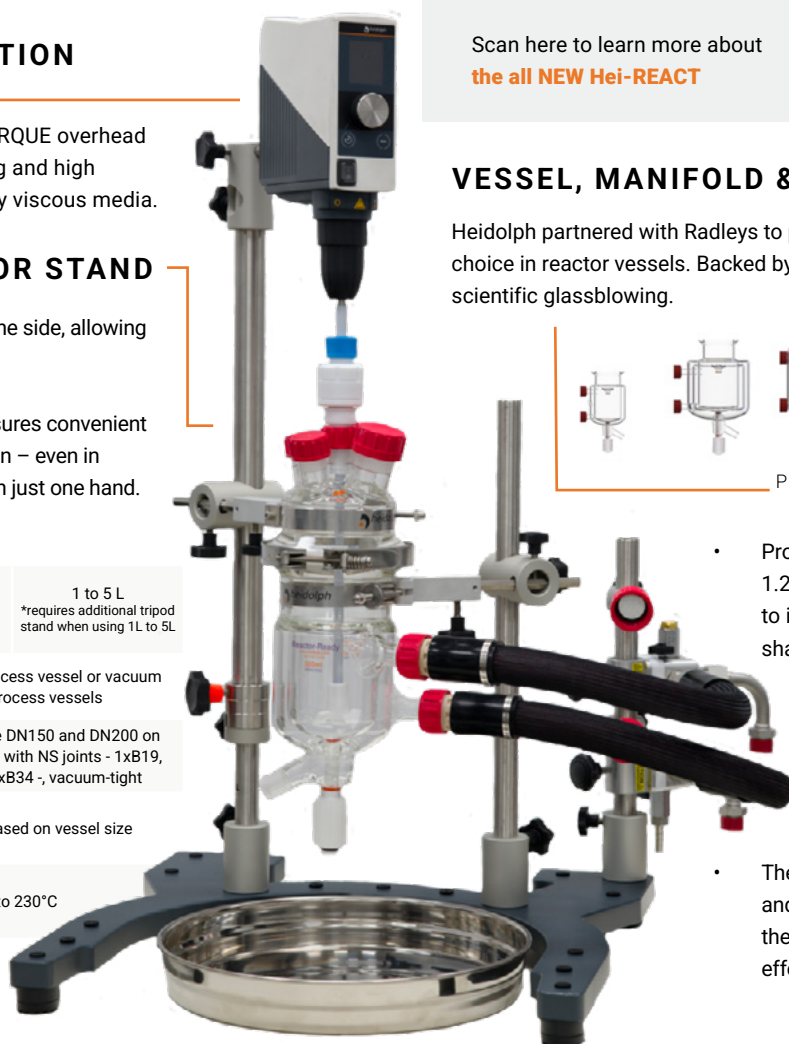
Precise alignment with the Hei-TORQUE overhead stirrer line. Ensures uniform mixing and high process stability – even with highly viscous media.

### INNOVATIVE REACTOR STAND

The stirrer and lid can be swung to the side, allowing easy access to the reaction vessel.

The ergonomic telescopic stand ensures convenient height adjustment and safe operation – even in compact fume hoods and easily with just one hand.

Vessel Volume Range	100 ml to 500 ml	1 to 5 L <small>*requires additional tripod stand when using 1L to 5L</small>
Vessel Type	Single jacketed process vessel or vacuum jacketed process vessels	
Lid Size	DN100 (flange size DN150 and DN200 on request). 5 neck lid with NS joints - 1xB19, 2xB24, 1xB29, 1xB34 -, vacuum-tight	
Temperature Probes & Impellers	Coordinated based on vessel size	
Thermoregulator/ Vessel Temp Range	-70 to 230°C	
Dimension (w x d x h)	540 x 538 mm x 1220mm	



Scan here to learn more about the all NEW Hei-REACT



### VESSEL, MANIFOLD & DRAIN KIT

Heidolph partnered with Radleys to provide the #1 preferred choice in reactor vessels. Backed by more than 50 years of scientific glassblowing.



POWERED BY radleys

- Process vessel geometry with 1.25 to 1 ratio of internal height to internal diameter, with dish shaped base
- PEEK hose couplings allow for tool-free connection and disconnection in seconds.
- The drain-down kit enables fast and controlled draining of the thermal fluid, ensuring clean and effortless vessel exchange



### ONE REACTOR. UNLIMITED CONFIGURATIONS.

Heidolph's modular system adapts to your needs with preconfigured packages. The Hei-REACT Base configuration showcases unlimited modularity—research made easy.

### AUTOMATION & SOFTWARE

Consult with a solutions specialist to review your workflow, including peripherals, and explore automation for more reproducible, reliable results.

# MEET THE ATS LIFE SCIENCES GROUP



20+  
COUNTRIES

Serving life sciences  
customers worldwide

40+  
FACILITIES

Manufacturing, sales,  
and service locations

3,750+  
EMPLOYEES

Driving automation  
and innovation forward

## AUTOMATION: FROM DISCOVERY TO PRODUCTION

*ATS Life Sciences Group automates the life sciences journey from discovery to production. We accelerate the delivery of life-changing diagnostics and therapies for human and animal health.*



For more information on the  
ATS Life Sciences Group please  
scan here or visit our website at  
[atslifesciencesgroup.com](http://atslifesciencesgroup.com)

## BENCHTOP TO PRODUCTION WE OPTIMIZE YOUR WORKFLOW: SOLUTIONS FROM THE ATS LIFE SCIENCES GROUP

### DISCOVERY

- Water Purification
- Animal Watering
- Animal Monitoring
- Benchtop Evaporation
- Parallel Synthesis & Reaction
- Sterilization & Disinfection
- Stability Testing
- Freeze Drying
- Stirring and Shaking
- Lyobead Formation
- Liquid Dispensing
- Glucose Dispensing
- Thermal Management Solutions

### PROCESS

- Stirring & Shaking
- Liquid Dispensing
- Solvent Evaporation
- Sterilization & Disinfection
- Freeze Drying
- Water Purification
- Parallel Synthesis & Reaction
- Animal Watering
- Animal Monitoring
- Stability Testing

### PRODUCTION

- Liquid Dispensing
- Automated Evaporation
- Glove Testing
- Sterilization and Disinfection
- High Precision Liquid Dispensing
- Assembly Roller for Lateral Flow
- High-Volume Production Conveyors
- Automation Slide Production
- Biosensor
- Freeze Drying
- Water Purification

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