

Heidolph Process Chemistry Solutions



Product	P/N
Reactor-Ready Core System	015950100
Reactor-Ready Duo Core System	015970100
Double Circulator Manifold & Hose Kit	015970210
Single Circulator Manifold & Hose Kit	015970200
Reactor-Ready Pilot Core System	015908000
5 Neck Lid for Reactor Ready & Duo (Included with Reactor Ready Core)	015950127
6 Neck Lid DN200 - 1xB19, 1xB24, 1xB29, 2xB34, 1xB45	015908005
7 Neck Lid DN200 - 1xB19, 1xB24, 1xB29, 3xB34, 1xB45	015908006
15 L Single Jacketed Pilot Process Vessel Kit	015908013
15 L Vacuum Jacketed Pilot Process Vessel Kit	015908014
20 L Single Jacketed Pilot Process Vessel Kit	015908016
20 L Vacuum Jacketed Pilot Process Vessel Kit	015908017
AVA Level 1 Software Kit - US Plug	015200005
AVA Level 2 Software Kit - US Plug	015200006
AVA Level 3 Software Kit - US Plug	015200007
AVA Level 4 Software Kit - US Plug	015200008
AVA Software Level 1 & 1 Year AVA Care	015200001
AVA Software Level 2 & 1 Year AVA Care	015200002
AVA Software Level 3 & 1 Year AVA Care	015200003
AVA Software Level 4 & 1 Year AVA Care	015200004
AVA Software Upgrade Level 1 to 2 & 1 Year AVA Care	015200009
AVA Software Upgrade Level 1 to 3 & 1 Year AVA Care	015200010
AVA Software Upgrade Level 1 to 4 & 1 Year AVA Care	015200011
AVA Software Upgrade Level 2 to 3 & 1 Year AVA Care	015200012
AVA Software Upgrade Level 2 to 4 & 1 Year AVA Care	015200013
AVA Software Upgrade Level 3 to 4 & 1 Year AVA Care	015200014
AVA Care Level 1 - 1 Year	015200015
AVA Care Level 2 - 1 Year	015200016
AVA Care Level 3 - 1 Year	015200017
AVA Care Level 4 - 1 Year	015200018
Laptop Controller - US Plug	015200020
Data Hub 4 Port - US Plug	015200021
Data Hub 2 Port -US Plug	015200022

Product	P/N
1-L Heating Bath	036110440
2-L Heating Bath	036110420
4-L Heating Bath	036110400
Concave Block Adapter	036110450
1-L Heating Bath for Oil	036110430
2-L Heating Bath for Oil	036110410
4-L Heating Bath for Oil	036110390
Holding Device MR	036306060
PT 1000 Clamping System	036300883
PT 1000 Clamping System for 3 - 5 L	036399884
PT 1000 Temperature Sensor Stainless Steel	036110350
PT 1000 Temperature Sensor Glass-coated	036110360
RS 232 Cable	036306014
Silicone Proactive Cover	036306050
Stirring Bars - Cylindrical Shape	036300930
Stirring Bars - Cross Shape	015880270
Stirring Bars - Evaluation Kit	015882570
Stirring Bars - Oval Shape (15x6 mm)	036111260
Stirring Bars - Oval Shape (25x10 mm)	036111270
Stirring Bars - Oval Shape (30x10 mm)	036111280
Findenser B24 Cone B24 Socket	015610000
Findenser B29 Cone B24 Socket	015610001
Findenser B19 Cone B19 Socket	015610002
Findenser Mini B24 Cone B24 Socket	015610003
Findenser Mini B19 Cone B24 Socket	015610004
Findenser Mini B14 Cone B14 Socket	015610005
Heat-On Multi-Well Block System	015852000
Heat-On Multi-Well Block Basic	015822010
Heat-On Multi-Well System Polymer	015852015
Heat-On Multi-Well Block Basic Polymer	015852025
Heat-On Multi-Well Holder	015882000
Heat-On Safety Lifting Handles	015882140
Heat-On 10ml Insert	015882010





PREMIUM EQUIPMENT | INSTALLATION & TRAINING | 3 YEAR WARRANTY

Heidolph North America's goal is to give our customers the ability to focus on their research. Accomplishing this is done largely in part by providing best in class service and support for solution oriented equipment. Heidolph specializes in both benchtop and industrial rotary evaporation, making distillation more efficient, and in turn allowing the researcher's focus to be their research.

Heidolph's product lineup includes a full range of chemistry and biology tools designed to increase lab productivity, including but not limited to overhead stirrers, magnetic stirring hotplates and shakers.

Quality without compromise is Heidolph's commitment to you. All Heidolph equipment is designed and made in Germany, backed by a 3 year warranty, and carries an average 10 year lifespan; making it a worth while investment.



heidolph

980
20
53
25





HEI-VAP INDUSTRIAL

20L BATCH TO 24/7 CONTINUOUS ROTARY EVAPORATORS


The Heidolph large scale evaporators of the Hei-VAP Industrial Series are perfectly designed for a great deal of different distilling processes, from standard evaporation without vacuum control to complex distillation processes with vacuum control.

Aspects such as safety, convenience and cost savings have been considerably taken into account during the development of the large scale evaporators. This is reflected in various unique product advantages.

HEI-VAP INDUSTRIAL

Our large scale Hei-VAP rotary evaporators can be operated in batch operations with flask sizes up to 20 liters. The many safety features and easy operation allows for safe user interaction and convenience - even with one operator. Our application consultants can advise you on process optimization techniques as well as configuring a perfect all in one package.

PN: 036072402

- 
- Intuitive touch display with an overview of all parameters.
 - With timer, ramp function, and two programs for process control: SETpressure and AUTOaccurate.
 - Fully equipped, including glassware, vacuum controller, vacuum valve, and vacuum and vapor temperature sensor.
 - The water bath refill system allows you to step away from your evaporator at any moment and reduce your supervision responsibility to zero for baths that run dry or overheat.

POWERFUL GERMAN ENGINEERING

Benefits at a Glance



Condenser and receiving flasks are protected by high impact transparent PMMA doors.



The water level regulation system prevents water spilling over the bath and potentially flooding the lab.



An illuminated guard hood with glass window provides clear visible monitoring.



Easy-Lock flask attachment and self aligning flask support system allows for a single user to exchange the flask safely.



Achieve increased throughput at reduced energy consumption due to an industry leading leak-proof vacuum.



The Hei-VAP Industrial has been tested and certified by OSHA's National Recognized Testing Laboratory (NRTL) Program. The certification states that the product complies with the requirements of one or more appropriate product safety test standards.

RECIRCULATING CHILLERS

The Hei-CHILL models with cooling capacities from 3,000 to 5,000 W are specifically designed for reliable continuous operation in the laboratory. The magnetic coupling of the pump and the electric motor prevents leakage.

Hei-CHILL 3000

With rollers for placement under a lab bench, cooling capacity at 3,000 W.
Suitable for a single condenser

PN 036306521

Hei-CHILL 5000

With rollers for placement under a lab bench, cooling capacity at 5,000 W.
Suitable for 2 condensers.

PN 036306522





VALVE-REGULATED VACUUM PUMP

This vacuum system can be applied in many different fields in order to evacuate, evaporate and pump out gases and vapors. Thanks to the emission condenser it is possible to achieve a chemical recovery of almost 100%

- Ultimate Vacuum of 2mbar
- High Suction Capacity of 3.0 m³/h
- Secondary condenser included

PN 036304775

ENCLOSURES

The Industrial enclosure is designed to protect the operator of industrial rotary evaporators from harmful fumes and vapors. The enclosure is designed to be attached to two 4" HVAC ducting collars and used as a full enclosure of the industrial evaporator system. This allows for precious walk-in-hood space to be used for synthetic chemistry, such as jacket reactors, separation funnels or even waste storage, rather than housing the industrial 20 L rotary evaporator.

- Designed to provide vapor/fume safety to an industrial evaporator when attached to an exhaust system (HVAC)
- Made of polycarbonate panels with multiple entry panels/doors to provide complete access to Industrial evaporator while containing vapors
- Allows operator protection while freeing up the use of a walk-in-hood.
- Complete application worksheet that will be provided by your sales rep.



Dimensions (in)

Volume of Filter Air (CFM)

Linear Face Velocity

Weight (lbs)

PN

Industrial Roto Vap Enclosure

68" x 34.75" x 96"

600 Mas CFM at Full Opening

60 FLPM Average

300 lbs

035100230

ACCESSORIES



Evaporating Flask

Evaporating Flask 6 L

PN 036303015

Evaporating Flask 10 L

PN 036303005

Evaporating Flask 20 L

PN 036302995



Powder Flask

Powder Flask 10 L

PN 036303035

Powder Flask 20 L

PN 036303025



Receiving Flask

With drain valves, 10 L (included as a standard for all Hei-VAP Industrial models).

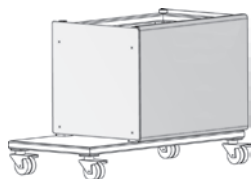
PN 036303040



Amber Evaporating Flask

Protect your light-sensitive media with the dark color of this 20L evaporator flask

PN 036302996



Base Cart

For all Hei-VAP Industrial models

PN 036303090



Heating Bath Liquid

Heating bath liquid up to 220°C (5 L)

PN 036300941



Tubing

Tubing for vacuum and water connection. Available as package or individual length.

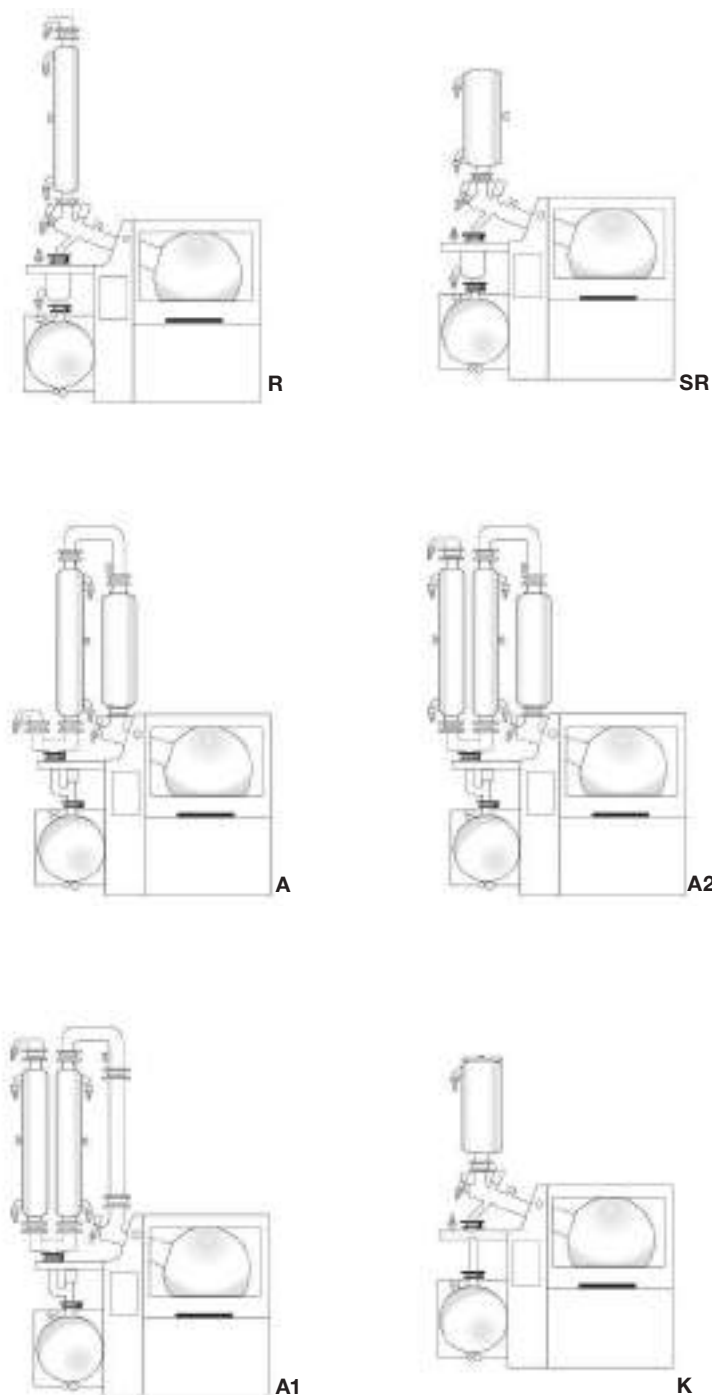
16 M Package

PN 036303100

By Meter

PN 036294800

GLASSWARE



Glassware R

- This glassware assembly includes one ascending condenser, one 20L evaporating flask, one 10L receiving flask and is recommended for all standard distillations.

Glassware Shorty R

- Identical to glassware R, but features a condenser that is 320mm shorter.
- Distillation capacity remains the same. This assembly is ideal in laboratories for hood applications or where height is restricted.

Glassware A

- This glassware assembly includes one descending condenser, one expansion vessel, one 20L evaporating flask, one 10L receiving flask and is recommended for solvents that tend to splash and foam.

Glassware A2

- This glassware assembly includes one ascending, one descending condenser and one expansion vessel, one 20L evaporating flask, one 10L receiving flask.
- For low boiling solvents and highest recovery rates.

Glassware A1

- This glassware assembly includes one ascending, one descending condenser, one 20L evaporating flask, one 10L receiving flask.
- For low boiling solvents and highest recovery rates.

Glassware K

- Condensate trap for low boiling solvents; cooling by dry ice.
- Comes with one 20L evaporating flask and one 10L receiving flask.

* All glassware packages come with the option of having two receiving flasks.

HEI-VOLUME DISTIMATIC

24/7 Evaporation

The Automatic Module Distimatic is perfectly designed for the automated distillation process in your lab. Run fast, reliable, automated and continuous solvent evaporation applications at the highest safety standards.

The world's first drainage of residue the Automatic Module Distimatic enables you to easily evaporate over night and during the weekend in an unattended continuous manner.

Choose from two different programs and achieve solvent separations of nearly 100% with Automatic Module Distimatic. Moreover, the degree of concentration for final product can be determined to rule out dehydration, crystallization and formation of powder.

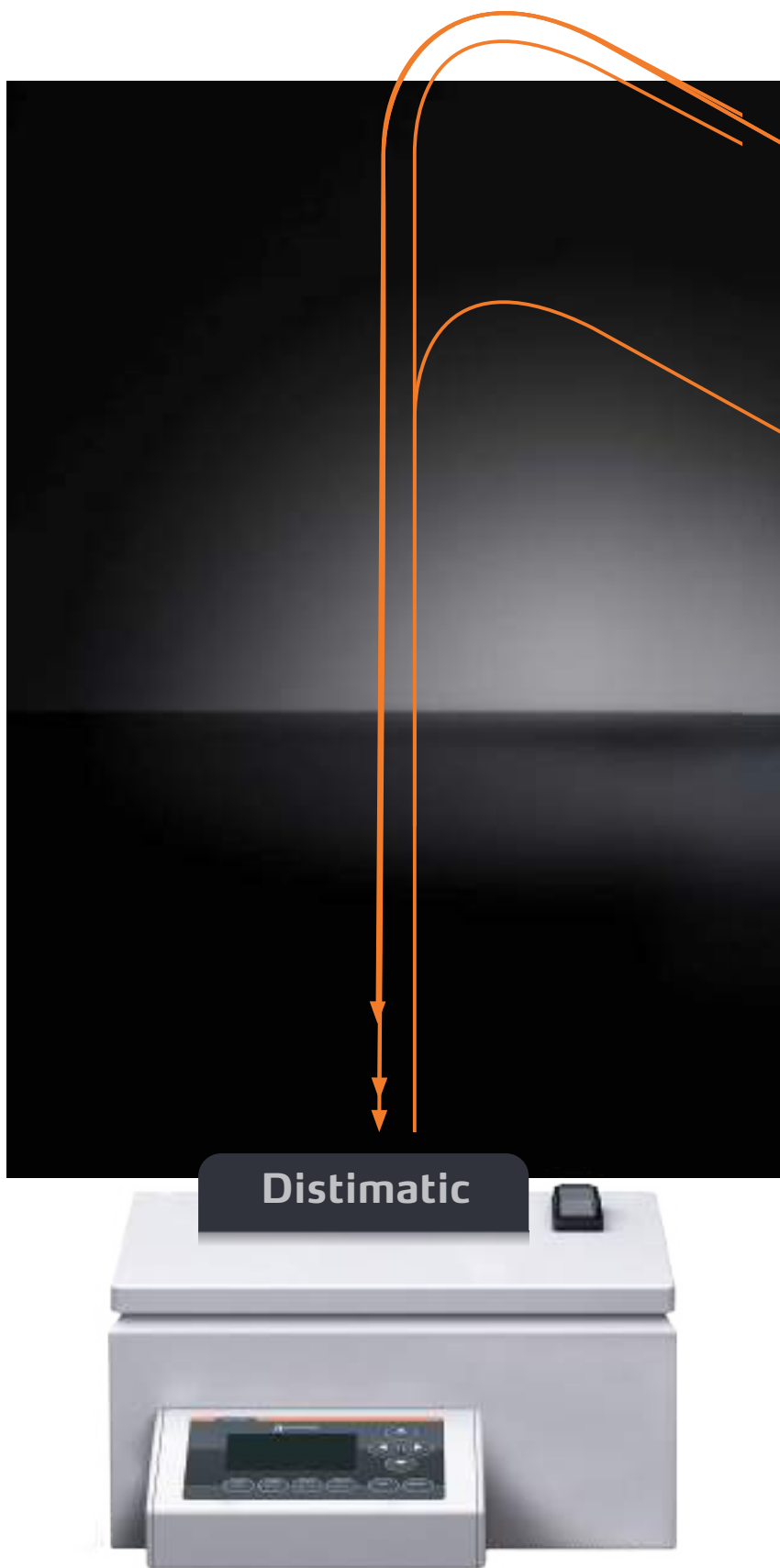
The Automatic Module Distimatic is compatible with all Hei-VAP rotary evaporators and large-scale rotary evaporators.

Sensor Mode

A sensor detects the fill-level inside the environment flask and the requested fill-level can be set individually. The flask refill is achieved via control and under system pressure. An additional sensor monitors the quantity of the solvent mixture and powers off the unit once it is complete.

Time Mode

All parameters are controlled by individually pre-programmed automatic time. The process is powered off once the pre-programmed number of cycles have expired.





Simple process optimization with regards to efficiency and precision:

- Automatic refill of the base mixture, discharge of the condensate and drainage of residue
- Outstanding evaporation rates in automated, unsupervised continuous operation
- Degree of concentration for final product can be determined to rule out dehydration, crystallization and formation of powder
- Bumping is eliminated by continuously feeding small volumes
- Storage and collecting tanks can be replaced during the process
- Uninterrupted process monitoring through sensors, including complete emergency shut-down of the system

	Benchtop	Industrial
PN	036294600	036064700
Automatic Refill	Yes	Yes
Automatic Discharge of Condensate	Yes	Yes
Noise Level (db(a))	< 80 dba	< 80 d
Total Power (W)	3,500 W	3,500 W
Protection Class	IP 54	IP 54

TECHNICAL SPECIFICATIONS

Large-Scale Rotary Evaporators

Model	Hei-VAP Industrial	
Rotation speed	6–160 rpm	
Rotation speed setting	digital	
Display	7" touch display	
Lift	motor lift	
Height adjustment speed	45 mm/s	
Height adjustment	180 mm	
Drive	EC-motor	
Heating capacity	4,000 W	
Temperature range heating bath	20–180 °C	
Temperature accuracy	±1 °C	
Overheat cut-off protection	110 (H ₂ O)/210 (oil)	
Bath temperature setting	digital	
Automatic heating bath control	micro processor	
Material heating bath	stainless steel AISI 316 L	
Diameter heating bath	400 mm	
Volume heating bath	24 (H ₂ O)/22 (oil)	
Level regulation of water bath	automatically due to level sensor and refill function	
Display vapor temperature required accessories	digital temperature sensor	
Indicating range vapor temperature sensor	0–200 °C (accuracy 0.1 °C)	
Integrated vacuum controller	yes	
Timer	yes	
Vacuum control program SET _{pressure} ²	yes	
Vacuum control program AUTO _{accurate} ² requires AUTO _{accurate} -sensor	yes	
Programmable ramps	yes	
Supply power	4,600 W	
Weight w/o glass assembly	approx. 120 kg	
Dimensions	w/d/h 970 × 690 × 1,600 mm	
Rate of evaporation ¹ at 40 °C temperature difference	Toluene	26.0 l/h
	Acetone	25.9 l/h
	Ethanol	12.9 l/h
	Water	4.7 l/h
Maximum condensing surface	1.2 m ²	
Permissible ambient conditions	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	
Protection class	DIN EN 60529	IP 20

Standard supply voltage: 250 V three-phase current. Other voltages upon request, please specify for order.

¹ ΔT = difference between heating bath temperature and boiling temperature

² Only in combination with vacuum systems

TECHNICAL SPECIFICATIONS

Automatic modules

Model	Distimatic Bench-top without drainage of residue	Distimatic Bench-top including drainage of residue
Compatibility Rotary Evaporators	Hei-VAP and Laborota 4000 series ³	Hei-VAP and Laborota 4000 series ³
Separate control panel	yes	yes
Display	digital	digital
Automatic refill of sample	yes	yes
Automatic discharge of condensate	yes	yes
Automatic drainage of residue	–	–
Power input control box	50 VA	50 VA
Noise level	< 80 dB (A)	< 80 dB (A)
Total power multiple switched socket	3,500 W	3,500 W
Weight	5 kg	5 kg
Measurements w/o mounted components w/d/h	340 × 135 × 200 mm	340 × 135 × 200 mm
Permissible ambient conditions	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity 0–2,000 m a.s.l., Contamination level 2, Overvoltage category II	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity 0–2,000 m a.s.l., Contamination level 2, Overvoltage category II
Protection class	DIN EN 60529 IP 54	IP 54

Model	Distimatic Industrial without drainage of residue	Distimatic Industrial including drainage of residue
Compatibility (Rotary Evaporators)	Hei-VAP Industrial and Laborota 20 series	Hei-VAP Industrial and Laborota 20 series
Separate control panel	yes	yes
Display	digital	digital
Automatic refill of sample	yes	yes
Automatic discharge of condensate	yes	yes
Automatic drainage of residue	–	yes
Power input control box	50 VA	50 VA
Noise level	< 80 dB (A)	< 80 dB (A)
Total power multiple switched socket	3,500 W	3,500 W
Weight	5 kg	5 kg
Measurements w/o mounted components w/d/h	340 × 135 × 200 mm	340 × 135 × 200 mm
Permissible ambient conditions	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity 0–2,000 m a.s.l., Contamination level 2, Overvoltage category II	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity 0–2,000 m a.s.l., Contamination level 2, Overvoltage category II
Protection class	DIN EN 60529 IP 54	IP 54

All shown values relate on Automatic Module Disitmatic without any external accessory parts.

³ To check the compatibility please contact your dedicated Heidolph contact person.

REACTOR- READY

TOOL LESS REACTORS

The Heidolph Radleys Reactor-Ready Series includes three different vessel models and various vessels. All Reactors are designed to be easily and quickly configured to suit the chemistry and scale you need for each project.

The innovative support collars, quick release vessel clamp and self aligning stirrer coupling makes it easy to change the vessel out in minutes. Our high quality glass blown vessels come in a variety of sizes from 100ml to 5 liters.





The Reactor-Ready Series – Most Versatile Reaction Stations

The Reactor Ready Series is the one reactor work station that can replace many, saving you money and fumehood space.



Reactor-Ready Lab Reactor

The Reactor-Ready is designed as a universal reactor workstation that can be used for different vessel sizes and different experiments. Vessels are available in sizes 100 ml to 5 L.



Reactor-Ready Duo Lab Reactor

The Reactor-Ready Duo shares the same unique features as the Reactor-Ready, except it supports two separate jacketed glass reaction vessels. Vessels are available in sizes 100 ml to 5 L.



Reactor-Ready Pilot Lab Reactor

The Reactor-Ready Pilot is designed as a universal reactor station that can be used with different vessels and for different projects. Vessels are available in size 100 ml to 20 L.

VESSELS

Standard Reaction Vessel Kits

Includes: Glass Reaction Vessel, PTFE Anchor Stirrer Paddle, PTFE Pt 1000 Temp. Probe, (with Lemo plug for connection to the thermoregulator), and PTFE Temperature Probe Adapter

Process Reaction Vessel Kits

Includes: Process Vessel, Turbine Stirrer Paddle, PTFE Pt 1000 Temp. Probe, (with Lemo plug for connection to the thermoregulator), and PTFE Temperature Probe Adapter



Standard Reaction Kits

Type	PN
250ml Single Jacketed Vessel Kit	015950103
250ml Vacuum Jacketed Vessel Kit	015950104
500ml Single Jacketed Vessel Kit	015950105
500ml Vacuum Jacketed Vessel Kit	015950106
1000ml Single Jacketed Vessel Kit	015950107
1000ml Vacuum Jacketed Vessel Kit	015950108
2000ml Single Jacketed Vessel Kit	015950109
2000ml Vacuum Jacketed Vessel Kit	015950110
5000ml Vacuum Jacketed Vessel Kit	015950112

Process Reaction Kits

Type	PN
100ml Single Jacketed Process Vessel Kit	015952350
100ml Vacuum Jacketed Process Vessel Kit	015950114
250ml Single Jacketed Process Vessel Kit	015952360
250ml Vacuum Jacketed Process Vessel Kit	015951115
500ml Single Jacketed Process Vessel Kit	015951120
500ml Vacuum Jacketed Process Vessel Kit	015950189
1000ml Single Jacketed Process Vessel Kit	015950187
1000ml Vacuum Jacketed Process Vessel Kit	015952170
2000ml Single Jacketed Process Vessel Kit	015950188
2000ml Vacuum Jacketed Process Vessel Kit	015952200
5000ml Single Jacketed Process Vessel Kit	015952060
5000ml Vacuum Jacketed Process Vessel Kit	015950190



MYA 4

REACTION STATION

The Mya 4 Reaction Station is a 4-zone reaction station offering safe and precise heating, active cooling, software control, automatic reporting and data-logging for 24/7 unattended chemistry.

- 4 different temperature zones, each with heating and active cooling
- Use one compact system for a range of experiments
- Accepts a wide range of vessel sizes and styles
- Control your experiments and log results automatically
- Up to 200°C difference between adjacent positions
- Choose to control block by block or solution temperature
- Magnetic and overhead stirring (100 - 1,000 rpm)
- Temperature range : -30°C to 180°C



PACKAGES

Process Package

Choose the manifold head for use with glass condensers; overhead stirrers and process vessels; ideal for mimicking jacketed reactions.

Discovery Package

Choose the reflux head for integrated reflux cooling; combines well with magnetic stirring; ideal for use with round bottom flasks.

VESSEL STYLES & VOLUMES

- Vials and tubes range from 2 ml to 50 ml.
- Round bottom flasks 25 ml, 50 ml, 100 ml, and 250 ml
- Process reaction vessels: 50 ml, 100 ml, 150 ml, 250 ml and 400 ml
- 3 or 5 Multi-neck glass lids
- Additional glassware includes condensers, dropping funnels, solid addition funnels, stoppers, etc.



Ask your local specialist for a no obligation consultation and demo.

Learn more on our YouTube channel

<https://youtu.be/n5HjVpUlsxM>



H-GENIE™

HYDROGEN GENERATOR

The H-Genie™ is a compact high pressure hydrogen gas generator designed to be the safest and most powerful gas generator in the world specifically for chemists. As the only generator capable of generating up to 1,450psi of hydrogen gas from water at up to 1 NL/min, the Genie is designed to be the true smart gas cylinder replacement for any chemistry laboratory. It utilizes patented pressure cell technology to produce 4.0 purity from water pressure up to 100 bar (145.5 - 1450 psi) at flow rates up to 1 NL/min. The H-Genie will then monitor hydrogen consumption and notify you when the reaction has stopped. The new H-Genie: Generating Chemistry Safely!

The system is designed to be simple to use with any reactor system. The H-Genie will fill the vessel until the pressure or required volume is reached and automatically maintain the pressure of hydrogen in the vessel as it is continuously consumed by the reaction.

SAFETY & FEATURES



ON-DEMAND GENERATING

Hydrogen is generated on demand from water electrolysis and 3 liters of deionized water. No hydrogen cylinders necessary.



NO HYDROGEN CYLINDERS

No Hydrogen cylinders means the H-Genie can be used in any fume hood freeing up additional space.



PATENTED PRESSURE CELL TECHNOLOGY

The H-Genie utilizes patented pressure cell technology to produce 4.0 purity from water at pressures up to 100 bar (145.5 - 1450 pxi) at flow rates up to 1 NL/min.



SAFETY DETECTION

The system includes hydrogen detectors to automatically detect if there is a gas leak, pressure drop, or the concentration of hydrogen gas has risen above a safe level.



NO STORAGE OF HYDROGEN

The H-Genie does not store hydrogen but generates it on-demand. If there is an earthquake there is no hydrogen internally to cause a risk and a power cut would stop production of hydrogen automatically.

WATER GOES IN

OXYGEN REMOVED

HYDROGEN IS LEFT

	H-Genie
Pressure Range (bar)	1 - 100
Purity (%)	99.99
Gas Flow Range (NL/min)	0.1 to 1.0
Hydrogen Production Rate (NL/min)	110V
Water Consumption Rate (ml/hr)	200
Water Reservoir Capacity (L)	3
Water Requirement	Deionized Water
Recommended Environment	Ventilated Fume Hood
PN	065000000



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Timer 01:20 h:m
01:15 :03
Speed 2000 rpm
Torque 0.0 Ncm
Menu Range II
Cal

0 0 0

HEI-TORQUE

OVERHEAD STIRRERS

Our overhead stirrers enrich your lab with enhanced performance, reliability and powerful stirring for years. The Hei-TORQUE laboratory stirrers are equipped with the latest drive technology and the sealed housing protects the inside from vapor and dust.

Your lab agitator should not just be robust, but also practical. With its unique Quick-Chuck, you can change impellers fast and easy without any additional tools.

The Hei-TORQUE Series provides a suitable stirring tool for every application.

HEI-TORQUE

The Hei-TORQUE models are suitable for all requirements, including small and light equipment, easy operation with high torque, precise adjustment options and an interface for documentation.

- All stirrers maintain exact speed under changing loads.
- A through-shaft design allows for adjusting the impeller position to make height adjustments more convenient to you.
- Reduce your work time and achieve excellent mixing results in challenging high-viscosity media.
- A single grip allows you to readjust the height of your stirrer on the optional telescopic stand.
- RS232 or USB interface to save all process data in a digital file.
- Unique impeller technology for demanding applications that mixes gels and other similar media in shorter times which reduces process cost and working hours.
- Intuitive touch panel made of glass designed for easy operation.
- All models are designed for continuous 24 hour operation - including challenging high viscosity applications in polymer research.



HEI ON POWER

Benefits at a Glance



Non-sparking German made motors for additional safety.



Sealed housing, which complies with high protection class IP 54.



To prevent spills and splashing media the speed ramps up slowly until you set rpm has been achieved.



The electronic stirrers feature a smooth start operation which prevents spills and splashing media.



Minimum Noise level is below 50 db, even at maximum power.



An overtemperature sensor prevents heat up situations, particularly valuable in unattended continuous operation.



Avoid unintended stirring with slide touch panel.



The Quick Chuck creates a fast and easy way to change your impeller with only one hand.



The Hei-TORQUE Series has been tested and certified by OSHA's National Recognized Testing Laboratory (NRTL) Program. The certification states that the product complies with the requirements of one or more appropriate product safety test standards.

The Hei-TORQUE Series – Infinite Stirring Capabilities

The Hei-TORQUE Series has a suitable solution for all requirements, including small and light equipment, easy operation with high torque, precise adjustment options and an interface for documentation.



Hei-TORQUE Core

The Hei-TORQUE Core is lightweight for big tasks and has a compact design with enough power for large volumes. The smallest of the devices can mix up to 25L at low viscosity with ease.

PN 036090005



Hei-TORQUE Value

The Hei-TORQUE Value is ideal for standard stirring tasks. They are designed to mix and disperse medias that require non-reproducible results in high-viscosity applications.

Value 100: 036093030

Value 200: 036093050

Value 400: 036093070



Hei-TORQUE Precision

The Hei-TORQUE Precision is ideal for demanding tasks which have to be reproducible and documentable. The huge number of additional features and operation modes allows for a perfect adjustment to your individual application.

Precision 100: 036093090

Precision 200: 036093110

Precision 400: 036093150

IMPELLERS

Precise working with an overhead stirrer depends on the right choice of the stirrer tool. When choosing a stirrer tool you have to consider its different characteristics and their effects.



Blade & Half Moon Impellers

Type	Blade Size (mm)	Material	Length (mm)	Max rpm	PN
BR 10 Cross-Blade Impeller	50 x 12	Stainless Steel AISI 316Ti	400	2,000	036304390
BR 11 Straight-Blade Impeller	50 x 12	Stainless Steel AISI 316Ti	400	2,000	036300340
BR 12 Pivoting-Blade Impeller	60 x 15	Stainless Steel AISI 316Ti	400	2,000	036300350
BR 13 Square-Blade Impeller	70 x 70	Stainless Steel AISI 316Ti	450	800	036300360
BR 14 Collapsible-Blade Impeller	90 x 10	Stainless Steel AISI 316Ti	400	800	036300370
HR 18 Half-Moon Impeller	65 x 18 x 3	PTFE	350	800	036300460

Radial-Flow Impellers

Type	Ø Turbine Size (mm)	Material	Length (mm)	Max rpm	PN
TR 20 Radial-Flow Impeller	28	Stainless Steel AISI 316Ti	400	2,000	036300380
TR 21 Radial-Flow Impeller	50	Stainless Steel AISI 316Ti	400	2,000	036300390

Anchor-Type Impellers

Type	Blade Size (mm)	Material	Length (mm)	Max rpm	PN
AR 19 Anchor-Type Impeller	60 x 45 x 5	PTFE	350	800	036300450

Propeller-Type Impellers

These impellers are recommended for applications which require average or high speed and mixing tasks with medium or high viscosity.

Type	Prop Size (mm)	Material	Length (mm)	Max rpm	PN
PR 39 Pitched-Blade Impeller	75	PTFE	350	800	036300440
PR 30 Pitched-Blade Impeller	58	Stainless Steel AISI 316Ti	400	2,000	036300400
PR 31 Ringed Propeller	33	Stainless Steel AISI 316Ti	400	2,000	036300410
PR 32 Ringed Propeller	45	Stainless Steel AISI 316Ti	400	2,000	036300420
PR 33 Ringed Propeller	66	Stainless Steel AISI 316Ti	400	800	036300430



VISCO JET®

VISCO JET® Impellers are an all-rounder for low to high viscosity medias. These impellers can reduce your process times while performing the best mixing results.



VISCO JET® 60 mm

Material: Stainless Steel
 Ø (mm): 60
 Speed Range (rpm): 200 - 800
 Vessel dia. (mm): 80 -150

PN 036300470



VISCO JET® 80 mm

Material: Stainless Steel/Plastic
 Ø (mm): 80
 Speed Range (rpm): 200 - 700
 Vessel dia. (mm): 115 - 200

PN 036300480
Plastic PN 036300490



VISCO JET® 120 mm

Material: Stainless Steel/Plastic
 Ø (mm): 120
 Speed Range (rpm): 120-500
 Vessel dia. (mm): 170 - 300

PN 036300500
Plastic PN 036300510

	Ø (mm)	Material	Speed Range	Vessel Dia. (mm)	PN
VISCO JET® Crack 80	80	Stainless Steel AISI 316Ti	200 -700	115 - 200	036300505
VISCO JET® Crack 120	120	Stainless Steel AISI 316Ti	120 - 500	170 - 300	036300506

HEI-CONTROL SOFTWARE

For automated and reproducible processes, the simultaneous operation of multiple devices and applications with high viscosities in conjunction with required heat output (e.g. cosmetics). Combine the fastest heat-up times of the Hei-PLATE magnetic stirrers with the power and precision of the Hei-TORQUE Precision.

Use the free software to

- Program process parameters
- Read out and save processes in the software
- Load saved settings for reproducible results

Download the free software at
heidolphna.com



AVA™ SOFTWARE

AVA™ allows you to take control of your multi-device jacketed reaction systems by automatically logging your process data and allowing for unattended chemistry.



- Control up to 4 reaction systems with up to 16 devices on one screen.
- Create complex experiments with a number of steps in series or parallel.
- Pre-program multi-step recipes, with the flexibility to make and track on the fly adjustments.
- Interlink devices and set feedback/control loops, end point conditions and safety limits.
- Set device parameters and safety limits

TECHNICAL SPECIFICATIONS

Overhead Stirrers

Model	Hei-TORQUE Core	Hei-TORQUE Value 100	Hei-TORQUE Value 200
Power Rating, Motor Input/Output	105/75 W	90/50 W	120/80 W
Number of Speed Gears	1	1	1
Speed Range	20 - 2,000 rpm	10 - 2,000 rpm	10 - 2,000 rpm
Direction of Rotation	–	–	–
Speed Indicator	Digital	Digital	Digital
Operating Panel	Monochrome 2"	Monochrome 2.4"	Monochrome 2.4"
Speed Control	Electronic	Electronic	Electronic
Torque Max	40 Ncm*	100 Ncm*	200 Ncm
Torque Indicator	Symbol	Symbol	Symbol
Overheat Protection	Automatic Cut-Out	Automatic Cut-Out	Automatic Cut-Out
Motor Protection	Temperature Control Software	Temperature Control Software	Temperature Control Software
Viscoisty Max.	10,000 mPas	60,000 mPas	100,000 mPas
Stirring Cap Max	25 L	50 L	50 L
Analog/Digital Interface	–	–	–
Admissible Session	Continuous Operation	Continuous Operation	Continuous Operation
Counter/Timer	Yes	–	–
Shaft Diameter Max	10.5 mm	10.5 mm	10.5 mm
Dimensions	70 x 195 x 281.5 mm	86 x 247 x 350 mm	86 x 247 x 350 mm
Stay Bar Size (Ø x w)	10.5 mm	10.5 mm	13 x 160 mm
Weight	2.3 kg	4.4	5.1 kg
Permissible Ambient Conditions	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity
Protection Class	IP 42	IP 54	IP 54

Standard supply voltage: 115 V. Other voltages upon request, please specify for order.

* temporary overload 65 Ncm

Hei-Torque Value 400	Hei-TORQUE Precision 100	Hei-TORQUE Precision 200	Hei-TORQUE Precision 400
150/90 W	90/50 W	120/180 W	150/90 W
2	1	1	2
10 - 400 rpm 20 - 2,000 rpm	10 - 2,000 rpm	10 - 2,000 rpm	10 - 400 rpm 20 - 2,000 rpm
–	Yes	Yes	–
Digital	Digital	Digital	Digital
Monochrome 2.4"	Color 3.2"	Color 3.2"	Color 3.2"
Electronic	Electronic	Electronic	Electronic
400 Ncm	100 Ncm	200 Ncm	400 Ncm
Symbol	Precise Value	Precise Value	Precise Value
Automatic Cut-Out	Automatic Cut-Out	Automatic Cut-Out	Automatic Cut-Out
Temperature Control Software	Temperature Control Software	Temperature Control Software	Temperature Control Software
250,000 mPas	60,000 mPas	100,000 mPas	250,000 mPas
100 L	50 L	50 L	100 L
–	USB and RS 232	USB and RS 232	USB and RS 232
Continuous Operation	Continuous Operation	Countinuous Operation	Continuous Operation
–	Yes	Yes	Yes
10.5 mm	10.5 mm	10.5 mm	10.5 mm
93 x 247 x 350 mm	86 x 247 x 350 mm	86 x 247 x 350 mm	93 x 247 x 350 mm
13 x 160 mm	13 x 160 mm	10.5 mm	10.5 mm
5.3 kg	4.4 kg	5.1 kg	5.3 kg
5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity
IP 54	IP 54	IP 54	IP 54

HEI-PLATE

MAGNETIC STIRRERS

Even the smallest daily helper should inspire and accompany you for many years. That is the reason for our Magnetic Stirrers to be uncompromising when it comes to quality and reliability. The Hei-PLATE magnetic stirrers impress through a sealed and fireproof housing and an unique Kera-Disk® hotplate coating, which stands for chemical resistance and faster heat-up times.

The powerful and extended heating capacity of 600 W reduces process times noticeably. Intelligent functions such as dynamic residual heat indicator, a separate way to activate the heat-function and an independent second safety circuit make the Heidolph Magnetic Stirrer the safest in terms of heating and mixing in your lab.



MR Hel-Connect

rpm
1400

°C
92



rpm
min

°C
min

heidolph

HEI-PLATE

The premium devices of the Hei-PLATE Series offer the highest operating safety and comfort standards. 600 W heating capacity and the special Kera-Disk® hotplate with aluminum core allow for minimum heat-up phases that result in cost reductions.

- All units with digital display allow for easy setting and monitoring values on the illuminated readout.
- The strong magnetic field allows for easy stirring of even high viscosity media.
- The unique Kera-Disk® coating is extremely chemical-resistant and scratch-proof, therefore the plate can be cleaned easily from solvents, oil and other contaminations.
- Unit will power off in case of a short circuit, damage to the temperature sensor, a motor failure or other incidences during operation.
- A separate on/off switch for heating prevents unintentional heat-up. If heating is switched on, the on/off button is illuminated for visual control.



UNCOMPROMISING QUALITY

Benefits at a Glance



Our Kera-Disk® plate provides:

- Aluminum top plate allows for immediate heat transfer
- Ceramic coating makes the top plate chemical-resistant and scratch-proof.



To protect you from splashes and burns, the rotation speed ramps up slowly.



Heating and hot surface light indicator.



To prevent laboratory fires, the Hei-PLATE includes two independent safety circuits which switch off heating in case of any overtemperature situation.



The Hei-PLATE's fire-resistant aluminum die-cast housing protects against fumes, liquids, vapors and internal corrosion.



The Hei-PLATE Series has been tested and certified by OSHA's National Recognized Testing Laboratory (NRTL) Program. The certification states that the product complies with the requirements of one or more appropriate product safety test standards.

The Hei-PLATE Series – When Power Meets Safety

STANDARD MODELS

The premium devices of the Hei-PLATE Series are ideal for decomposing organic and inorganic substances from smooth to intense.



MR Hei-Standard

The Hei-Standard is for all standard applications. The two separate control knobs give direct access to parameters making it simple to use.

145mm: 036110519

135mm: 036110521



MR Hei-Tec

The Hei-Tec has precise control options and device parameter monitoring on the digital display. It can also be connected to a temperature sensor.

145mm: 036110550

135mm: 036110620

145mm with PT1000: 036110582

135mm with PT1000: 036110583



MR Hei-Connect

The Hei-Connect is for precise process documentation. The digital display provides precise control options and device monitoring with the compatibility with the PT 1000 temperature sensor. Includes Hei-Control Software.

145mm: 036110601

135mm: 036110602

145mm with PT1000: 036110603

135mm With PT1000: 036110604

NON-HEATING MODELS

The non-heating models of the Hei-PLATE Series are ideal for gentle stirring in biology and microbiology applications.



MR Hei-MIX L

The Hei-MIX L includes a 145 mm Kera-Disk® top plate and the powerful stirring magnet allows stirring with the volume up to 20 liters. The speed range is from 100 to 1,400 rpm.

PN 036110465



MR Hei-MIX S

The Hei-MIX S has a space saving polyamide housing. The white PVDF top plate is perfect for titration and comes with a diameter of 104 mm. The speed range of up to 2,200 rpm is sufficient for applications up to 5 liters.

PN 036110460

ACCESSORIES



Findenser - Air Condenser

The Findenser is comprised of an internal glass condenser and an external, finned aluminum jacket, with a small amount of water permanently sealed inside. The award winning condenser is designed to replace the need for water cooled condensers.



Heat-On Blocks

Heat-On Blocks allow you quick and safe personal heating and stirring of your round bottom flasks, without the risks of fire or personal injury and the messy clean up associated with using oil. Sizes up to 5 liters.



Multi-Well Holders

Multi-Well Holders are designed to hold either one or two inserts for flasks. Inserts are available in sizes 10ml, 25ml, 50ml, 100ml and 150ml.



Wide Neck Flasks

Choice of flask sizes and styles with a wide neck option. Wide neck flasks allow easier removal of viscous and solid samples as the use of larger stirrer blades.



Regular Flasks

Various flask sizes available with dropping funnel, a zeotropic, side arm, etc.



Stir Bars

Rare earth stirring bars in various sizes and shapes provide powerful stirring and a deep vortex.



Starfish Workstation

The Starfish Multi-Experiment Workstation will save you the time and reduce clutter on your lab bench by performing multiple experiments at the same time.



MonoBlocks

Monoblocks are single blocks with multiple wells of the same size. Vial sizes up to 500ml.



PolyBlocks

Polyblocks are small segments which can be mixed to accommodate any combination of vessels, vials, tubes and flasks.



Manifolds

Allows for coolant, gas or vacuum to be evenly distributed to up to five condensers or vessels. Water-Distribution and Gas/Vacuum Distribution Manifolds available.



Carousel 12 Plus

The unique patented Carousel simultaneously heats, cools, stirs and reflux multiple samples under an inert atmosphere. Accommodates vessels up to 20 ml.



Carousel 6 Plus

The Carousel 6 Plus Reaction Station simultaneously heats and stirs up to 6 round bottom flasks. Flexibility is inherent in its design: choose any combination of flask sizes with different side arm combinations and accessories. Accommodates vessels up to 250ml.



Cooled Carousel 12 Plus

The innovative cooled Carousel 12 Plus reservoir is designed to accept the removable reflux/inerting head from the Carousel 12 Plus allowing for the reaction tubes to be easily and rapidly transferred between heating and cooling bases.



Cooled Carousel 6 Plus

Simultaneously stir and cool reaction from ambient down to -70°C using up to 6 round bottom flasks. As with the Carousel 6 Plus, you can use any combination of flask sizes.



Cool-It Cooling Bowls

Cool-It is designed to fit on a stirring hotplate, for controlled stirring through a magnetic stirring bar in the reaction flask. Cooling is obtained by using an appropriate cooling mixture such as dry ice and acetone.



Storm Heating & Cooling Workstation

Combined with a suitable heating/cooling circulator, the powerful Storm can provide controlled heating and cooling.



Breeze Heating & Cooling Workstation

The compact Breeze provides rapid controlled heating and cooling from -30° to +165°C; ideal for control by solution temperature.



Tornado Plus Overhead Stirring Station

The Tornado is a modular add-on for the Carousel 6 Plus, replacing the magnetic stirring of the stirring hotplate with direct stirring from a single overhead stirrer.

TECHNICAL SPECIFICATIONS

Magnetic Stirrers

Model	Hei-Mix S	Hei-Mix L
Speed Range	0 - 2,200 rpm	100 - 1400 rpm
Speed Accuracy	±5%	±2%
Drive	Shaded Pole Motor	EC-Motor
Operating Mode	Continuous	Continuous
Display	-	-
Analog/Digital Interface	-	-
Heating Power	-	-
Hotplate Temperature	-	-
Medium Temperature Max	-	-
Accuracy Temperature Setting	-	-
External Temperature Sensor	-	-
Temperature Accuracy with External Temperature Sensor	-	-
Sensor Breakage Protection	-	-
Temperature Control	-	-
Temperature Accuracy Hotplate	-	-
Residual Heat Indicator	-	-
Safety Circuit Hotplate	-	-
Time	-	-
Stirring Capacity Max (H ₂ O)	5L	20L
Load Max	6 kg	25 kg
Power Consumption	7 W	20 W
Plate Diameter	104 mm	145 mm
Plate Material	PVDF	Kera-Disk® - Aluminum alloy coated
Weight	1.1 kg	2.9 kg
Dimensions (w/d/h)	140 x 126 x 80 mm	173 x 277 x 94 mm
Permissible Ambient Conditions	5 - 31°C at 80% rel. humidity, 32 - 40°C decreasing linearly up max. 50% rel.humidity	5 - 31°C at 80 % rel. humidity 32 - 40°C decreasing linearly up to max. 50% rel. humidity
Protection Class	IP 21	IP 32

Hei-Standard

100 - 1,400 rpm

±2%

EC-Motor

Continuous

-

-

800 W*

20 - 300°C

250°C

-

Pt 1000

-

with Pt 1000

Micro Controller

±5°C

Yes

25°C - over hotplate temperature

-

20 L

25 kg

600 W

135mm & 145 mm

Kera-Disk® - Aluminum alloy coated

2.9 kg

173 x 277 x 94 mm

5 - 31°C at 80 % rel. humidity
32 - 40°C decreasing linearly up to
max. 50% rel. humidity

IP 32

Hei-Tect

100 - 1,400 rpm

±2%

EC-Motor

Continuous

Digital

-

800 W*

20 - 300°C

250°C

±1°C

Pt 1000

±1°C

with Pt 1000

Micro Controller

±5°C

Yes

25°C - over hotplate temperature

-

20 L

25 kg

600 W

135mm & 145 mm

Kera-Disk® - Aluminum alloy coated

2.9 kg

173 x 277 x 94 mm

5 - 31°C at 80 % rel. humidity
32 - 40°C decreasing linearly up to
max. 50% rel. humidity

IP 32

Hei-Connect

100 - 1,400 rpm

±2%

EC-Motor

Continuous

Digital

Digital (RS 232)

800 W*

20 - 300°C

250°C

±1°C

Pt 1000

±1°C

with Pt 1000

Micro Controller

±5°C

Yes

25°C - over hotplate temperature

Yes

20 L

25 Kg

600 W

135mm & 145 mm

Kera-Disk® - Aluminum alloy coated

2.9 kg

173 x 277 x 94 mm

5 - 31°C at 80 % rel. humidity
32 - 40°C decreasing linearly up to
max. 50% rel. humidity

IP 32

NOTES

Product	P/N
Heat-On 25ml Insert	015882020
Heat-On 50ml Insert	015882030
Heat-On 100ml Insert	015882040
Heat-On 150ml Insert	015882050
Heat-On 100ml Block Polymer	015882055
Heat-On 250ml Block Polymer	015882060
Heat-On 500ml Block Polymer	015882070
Heat-On 1 Liter Block Polymer	015882080
Heat-On 2 Liter Block Polymer	015882090
Heat-On 3 Liter Block Polymer	015882100
Heat-On 4 Liter Block Polymer	015882105
Heat-On Insert for 8x16mm Tube	015882110
Heat-On Insert for 6x17mm Biot	015882115
Heat-On Insert for 2x20mm Tube	015882120
Heat-On Insert for 4x24mm Tube	015882130
Heat-On 2x1 in Tube	015882135
Heat-On Insert for 3x28 Biogate	015882136
Heat-On Safety Lift Handles	015882140
Heat-On Multi-Well Holder PTFE	015882161
Heat-On Insert for 4x20mm Tube	015882270
Heat-On Insert for 4x24mm Tube	015882290
Heat-On 5 Liter Block	015882300
Heat-On 2L Florentine Block	015882350
Heat-On 1L Florentine Block	015882360
Heat-On 500ml Florentine Block	015882370
Heat-On 200ml Pear Block	015882380
Heat-On 300ml Pear Block	015882390
Heat-On Adaptor Plate F Square	015882490
Heat-On Insert Upgrade Kit	015882491
Heat-On 200ml Block with Flask Cutout	015882580
Heat-On 250ml Block with Flask Cutout	015882590
Heat-On Mtp Holder	015882610
Heat-On Mtp Insert 24x16mm	015882620

Product	P/N
Heat-On Mtp Insert 48x12mm	015882620
Support Rod for Bath Attachments from 3 to 5 L	036306030
Retort Clamp	015882540
Boss Head	015882550
Flask Stand and Clamp Kit	015882510
Starfish Base Plate (135mm)	015890010
Starfish Base Plate (145mm)	015890020
Starfish Base Plate Handles (Pair)	015890060
150ml Flask Insert	015890250
100ml Flask Insert	015890260
50ml Flask Insert	015890270
10ml Flask Insert	015890280
5ml Flask Insert	015890290
Monoblock for 16x25mm Tubes	015890080
Monoblock for 16x24mm Tubes	015890090
Monoblock for 40x12mm Tubes	015890100
Monoblock for 16x28mm Vials	015892040
Monoblock for 20x21mm Vials	015890100
Monoblock for 40x17mm Vials	015890130
Monoblock for 40x15mm Vials	015890140
Monoblock for 40x12mm Vials	015890150
Polyblock for 1 x 250ml Flask	015890160
Polyblock for 3 x 25mm Tubes	015890170
Polyblock for 3 x 24mm Tubes	015890180
Polyblock for 9 x 16mm Tubes	015890190
Polyblock for 9 x 12mm Tubes	015892000
Polyblock for 3 x 28mm Vials	015892050
Polyblock for 3 x 21mm Vials	015890210
Polyblock for 7 x 17mm Vials	015890220
Polyblock for 9 x 15mm Vials	015890230
Polyblock for 9 x 12mm Vials	015890240
5 Way Clamp - Velcro	015890310
5 Way Clamp - Silicone	015892140

Product	P/N
Water Manifold	015890340
Gas/Vacuum Manifold	015890350
Replacement Self Adhesive Velcro Pads (200mm, 10 pack)	015890320
Replacement Velcro Loop Strips (200mm, 5 pack)	015890330
Replacement Silicone Straps (200mm, 5 pack)	015892170
650mm Support Rod	015890410
650mm Support Split Rod	015890420
Carousel 12 Reaction System	015862450
Quick Thread Glass Reaction Tube (6 pack)	015862540
Quick Thread Glass Reaction Tube (12 pack)	015862550
Easy-On Fluoropolymer Cap (6 pack)	015862520
Octagonal Stirring Bar 16.5mm RE (20 pack)	015880240
Cross Shape Stirring Bar 13mm (20 pack)	015880270
PTFE Magnetic Stirring Bar Retriever 350mm	015880280
PTFE Magnetic Stirring Bar Evaluation Kit (30 pack)	015880290
Silicone Seals for all Caps (100 pack)	015880430
Zinc Plated Wire Rack for 36x24mm Tubes	015860430
Carousel 12 Plus Stand	015862500
Carousel Stirring Hotplate 115V US Plug	015750024
Carousel Temperature Controller	015750003
Carousel 12 Plus Cooling Reservoir & Lid	015862460
Digital Thermometer (-250°C to +400°C)	015860140
Dry Ice Scoop	015860170
Silicone Septa for PTFE Caps	015880430
250ml Reaction Flask, Reflux Tube and Connecting Set	015861962
B24/29 Rodaviss Sealing Cap	015880500
Rotary Evaporator Adaptors Ordinary B29 Socket to B24 Cone	015880530
100ml Reaction Flask	015880610
2 x 250ml Azeotropic Reaction Flask (3 pack)	015881552
Aluminum Insert for 100ml Reaction Flask (6 pack)	015860480
Reaction Flask Support Ring (6 pack)	015860500
Elliptical Stirring Bar 25mm RE (10 pack)	015880330
Tubing for inert Gas or Reflux Cooling (2 meters)	015860550

Product	P/N
250ml Reaction Flask with B24/29 Sidearm & Septa Port (6 pack)	015880670
2x B24/29 Liquid Additions Dropping Funnel & Pressure Equalizing Arm (3 pack)	015880680
B24/29 Solid Additions Funnel (3 pack)	015880690
PTFE/Silicone Septa 29mm - B24/29 (50 pack)	015880680
Cooled Carousel 6 Plus (Reservoir, Head, Stand & Cover)	015850410
Protective Cold Temperature Gloves	015860830
Cold Temperature Apron 1060mm Long Waterproof	015860180
Protective Face Shield	015860190
Cool-It Small Bowl & Lid	015882420
Cool-It Large Bowl & Lid	015882460
Adaptor Plate for 135mm Hotplate	015882450
Silicone Seals for All Caps (100 pack)	015880430
Zinc Plated Wire Rack for 36x24mm Tubes	015860430
Universal Stand S2	026200520
Stand S2 XXL	036300530
Telescope Stand	036300540
Clamp	036300550
Flex-Coupling	036300585
Flexible Shaft	036300600
Stirrer Guide (NS 24/29 PTFE)	036300591
Stirrer Guide (NS 29/32 PTFE)	036300590
Shaft Guard	036300611
Shaft Guard Adapter Set	036300612
RS232 Cable for Hei-Connect/Hei-TORQUE Precision	036306014



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