

LABORATORY SUPPLIES

2026

Metal block thermostats

Evaporators

Special solutions

Contact

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**COMBINED EXPERTISE –
POWERFUL PERFORMANCE**



Professional solutions for standardized and customized applications

Köhler-VLM Testing Technologies GmbH is an innovative company specializing in state-of-the-art solutions in corrosion testing technology. With in-depth expertise, precise measurement technology, and high quality standards, we have been supporting companies in a wide range of industries for many years—from the automotive industry to aviation and materials research.

Our focus is on the development, manufacture, and distribution of high-precision corrosion testing systems that comply with international standards and ensure reproducible, reliable test results. Our range of services extends from salt spray chambers to condensation and climate change tests to customer-specific special solutions.

In addition, we offer a wide range of laboratory supplies, such as metal block thermostats, evaporators, and salt for corrosion testing. Our product range in the laboratory sector extends from standard devices to devices for special applications.

Our strengths at a glance:

- Technological expertise: Köhler-VLM combines decades of experience with continuous research and development.
- Reliable testing standards: Our testing systems comply with a wide range of testing standards.
- Customized solutions: We tailor our systems precisely to your testing requirements – whether you need a single device or a complete laboratory.
- Service and support: From commissioning to maintenance – our experienced service team is always there to assist you.
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Typical areas of application:

- Materials testing and quality assurance
- Long-term durability analyses
- Research and development
- Product optimization during development phase.

Mission

Our goal is to use advanced testing technology to make the service life and safety of products measurable – and thus make a decisive contribution to the quality assurance and innovative strength of our customers.

OUR EXHIBITION DATES

LAB-SUPPLY Den Haag (NL) 2026	date: 10.02.2026 - 10.02.2026 place: Fokker Terminal Den Haag (NL)
LAB-SUPPLY Frankfurt 2026	date: 04.03.2026 - 04.03.2026 place: Myticket Jahrhunderthalle Frankfurt
LAB-SUPPLY Münster 2026	date: 28.04.2026 - 28.04.2026 place: Messe und Congress Centrum Halle Münsterland
LAB-SUPPLY Wien 2026	date: 12.05.2026 - 12.05.2026 place: VIECON - Vienna Congress & Convention Center
LAB-SUPPLY Berlin 2026	date: 16.06.2026 - 16.06.2026 place: Estrel Convention Center
LAB-SUPPLY Hamburg 2026	date: 03.11.2026 - 03.11.2026 place: MesseHalle Hamburg-Schnelsen

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Our range of services



Metal block thermostats with heating pans for interchangeable heating blocks or with permanently installed heating blocks

- Types QS, EC, LS
- Working temperatures up to 130°C /210°C
- Microprocessor controller (PID) with timer, ramp, and calibration function

Metal block thermostats for special applications (SPA)

- Hydroxyproline digestions (food analysis)
- COD digestions, Kjeldahl digestions, aqua regia digestions
- High-temperature thermostats up to 450°C
- Custom-made products according to your specifications



Metal block thermostats with liquid-tight, solid heating baths for the highest demands on temperature control precision

- Optimal decontamination in clinical and life science laboratories
- Types HP, BIO,
- Working temperatures 130°/ 210°C
- Microprocessor controller (PID) with timer, ramp, and calibration functions

Evaporator systems for evaporating solvents with nitrogen

- Cost-effective systems with stand
- Particularly user-friendly systems with lift
- Systems for visual control of evaporation to a residual volume



Metal block thermostats with permanently installed heating blocks for high temperatures

- Type HT
- Operating temperatures up to 300°C, 400°C
- Microprocessor controller (PID) JUMO or program controller for temperature
- Time programs

Important note: The illustrations shown in the catalog may differ from the purchased item in the following respects:

- Appearance of the controller

The prices quoted in this catalog are not binding. Despite our best efforts to keep our prices constant during the validity period of the catalog, we reserve the right to adjust prices due to unforeseeable increases in the cost of device components.



The function of the microprocessor controller (PID)

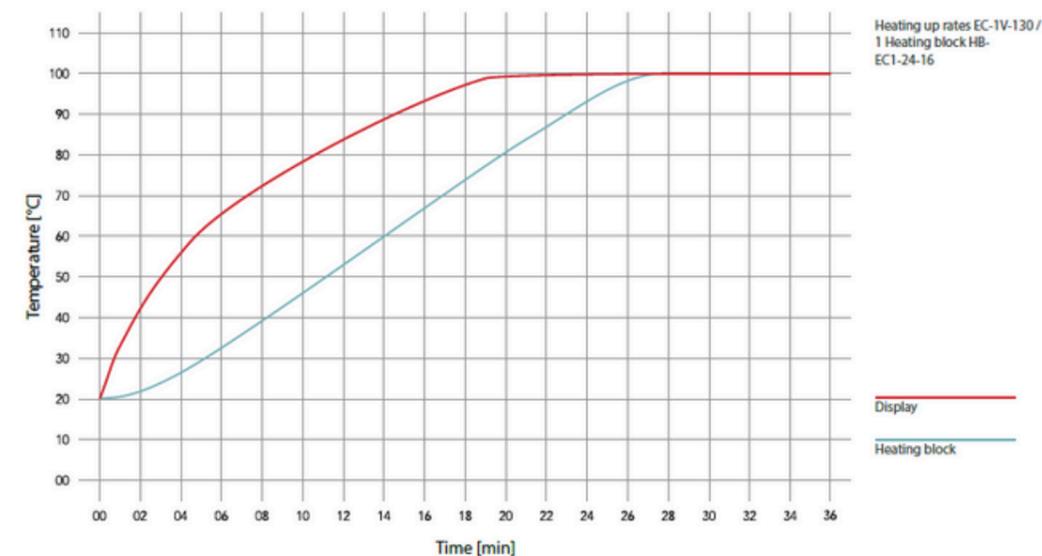
The devices in the EC, LS, QS, HP, BIO, HT, and VIS product lines are equipped with the JUMO PID controller. The PID control parameters allow fast heating rates without overshooting and guarantee precise temperature control of the samples (see graphic).

Calibration:

If the temperature shown on the display deviates from the value measured in the heating block over time, it can be adjusted by the user using the calibration function. All heating blocks have a 4 mm sensor hole for this purpose. A precise temperature measuring device with Pt 100 sensor is available as an accessory.

The controller operates in the following modes:

- Continuous operation (unlimited heating)
- Timer mode (time-limited heating)
- Ramp mode
- Standby mode (heating switched off)
- Calibration function



Temperature control using the example of an EC-1V metal block thermostat

The graph shows the exceptional performance of the JUMO controller using the EC-1V thermostat as an example. The PID control parameters are factory-set to achieve a practical compromise between a fast heating rate and low temperature overshoot.

The heating bath reaches the setpoint temperature of +100°C after just 17 minutes. The heating block is initially heated at full power during the heating phase. In the stabilization phase, the heating is throttled back to such an extent that the heating block reaches the setpoint temperature without overshoot after just 9 minutes.

This particularly good control performance is very advantageous when, for example, some of the samples are replaced and the thermostat quickly reheats after the cold snap. On request, the thermostats can be set to achieve even shorter heating times. However, temperature overshoots are then unavoidable.

quality assurance

Köhler-VLM metal block thermostats meet the highest standards in terms of:

- Precision of temperature control
- Safety in operation
- Electrical and mechanical workmanship

We develop, produce, and test the devices in accordance with the standards applicable to laboratory equipment:

- 73/23/EEC amended by 93/68/EEC,
- 2014/30/EU, and
- 93/68/EEC, EN 61010-1, EN 61010-2, EU 61326-1

Serial numbers for tracking purposes

Each device can be traced back to its exact date of manufacture using its serial number. This means that replicas of special devices purchased in the past can be easily produced at any time.

High reliability

The careful workmanship and comprehensive testing of each individual device have proven themselves time and again. You can rely on many years of flawless operation.

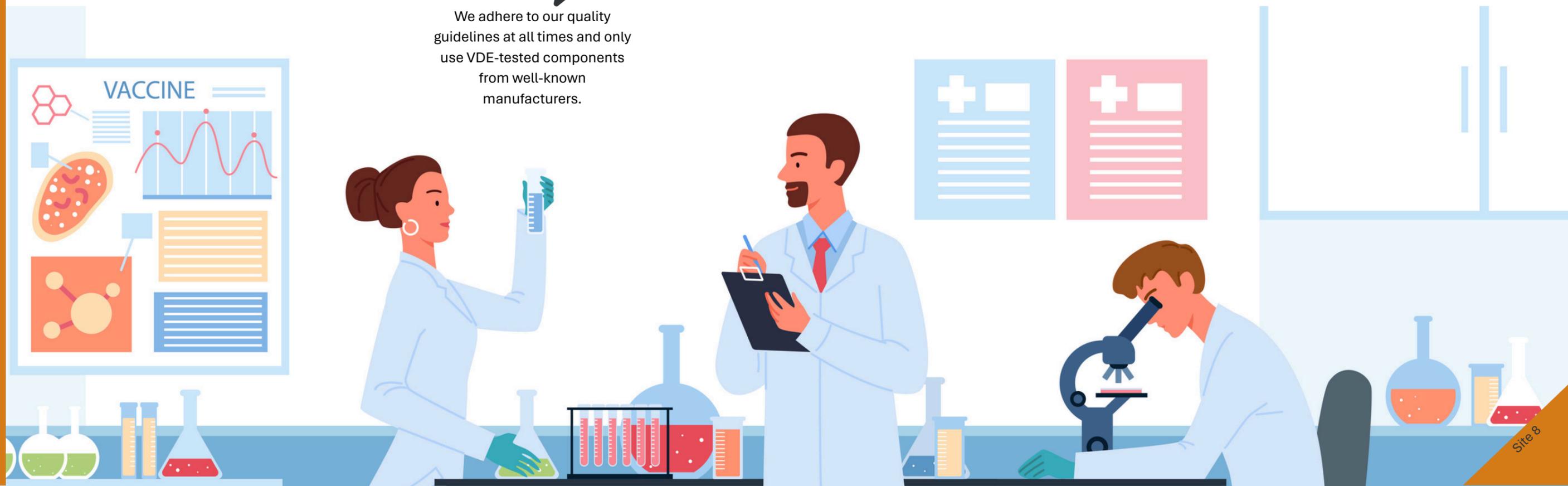
Made in Germany

The devices are manufactured by our long-standing specialists at our Geseke site and then individually adjusted and tested.

High-quality components

We adhere to our quality guidelines at all times and only use VDE-tested components from well-known manufacturers.

for reliable results in the laboratory



Metal block thermostats 130°C/210°C

for interchangeable heating blocks



QS thermostats +130°C/+210°C

are designed for a smaller number of samples and tight budgets. These compact devices are equipped with the high-quality JUMO microprocessor PID controller. Its high precision and timer, ramp, and calibration functions are the reason for its superior performance in this price range. In addition to thermostats with heating baths for replaceable heating blocks with drilling depths of up to 65 mm, we also supply devices with permanently installed blocks according to your specifications. Heating blocks can be manufactured for all common vessels based on samples.



EC thermostats +130°C/+210°C

are intended for routine tasks in the laboratory. Compared to HP thermostats, EC heating baths are mechanically less complex, although the base plates are also precision-milled. However, the walls are made of anodized aluminum profiles, which is why they are so affordable; EC stands for "ECONOMY."

EC thermostats are also equipped with the JUMO microprocessor temperature controller (PID) with integrated timer, ramp, and calibration functions. This gives them exceptional overall performance in this price range.



LS thermostats +130°C

LS thermostats are not "cheap heaters," but rather represent an affordable alternative to BIO thermostats. To accommodate tight budgets, the mechanically complex, solid aluminum heating bath has been replaced by a mounted bath. Its base is also precision-milled to ensure good heat transfer to the heating blocks. Equipped with the JUMO controller (PID) and a wide range of heating blocks, LS thermostats are perfectly tailored to the requirements of life science laboratories.



HP thermostats +130°C/+210°C

High-performance thermostats are equipped with a liquid-tight solid aluminum heating bath for use with interchangeable heating blocks (drilling depth 65 mm). However, in order to meet the highest accuracy requirements, they can also be manufactured with permanently installed heating blocks—not only with holes for standard test tubes, but also for many other vessels commonly used in laboratories.



BIO thermostats +130°C

were developed for precise sample temperature control in biochemical, clinical, or molecular biology laboratories. These particularly compact devices are equipped with a solid, liquid-tight heating bath made of an aluminum alloy with high thermal conductivity. They are designed for use with interchangeable heating blocks (46 mm high). When covered with a polycarbonate plate, the devices can be used as mini incubators. Like the HP thermostats, the BIO thermostats with permanently installed heating blocks can also be supplied for all common vessels.

Metal block thermostats 130°C/210°C

for replaceable heating blocks and permanently installed heating blocks



Köhler-VLM metal block thermostats meet high standards for precise temperature control and feature a solid construction.

- Thermostats with interchangeable heating blocks up to 210°C
- Microprocessor PID controller with timer, ramp, and calibration functions
- Heating blocks for all vessels and microtiter plates commonly used in laboratories
- Customized special designs

QS – Thermostats

device type	max. T. [°C]	samples	Heating tray L / W / D [mm]	Housing L / W / D [mm]	Power [W]	Order no.	Price €
QS - 130 – V	130	16	91 x 91 x 65	180 x 275 x 155	160	V.640.061.920	1.340,00
QS - 210 – V	210	16	91 x 91 x 65	180 x 275 x 155	160	V.640.062.920	1.380,00

EC – Thermostats

device type	max. T. [°C]	samples	Heating tray L / W / D [mm]	Housing L / W / D [mm]	Power [W]	Order no.	Price €
EC – 1V – 130	130	24	148 x 107 x 75	382 x 212 x 140	300	V.649.061.920	1.475,00
EC – 1V – 210	210	24	148 x 107 x 75	382 x 212 x 140	300	V.649.062.920	1.525,00
EC – 2V – 130	130	48	214 x 107 x 75	422 x 253 x 140	600	V.659.061.920	1.740,00
EC – 2V – 210	210	48	214 x 107 x 75	422 x 253 x 140	600	V.659.062.920	1.780,00

LS – Thermostats

device type	max. T. [°C]	samples	Heating tray L / W / D [mm]	Housing L / W / D [mm]	Power [W]	Order no.	Price €
LS – 1V – 130	130	48	149 x 108 x 59	315 x 193 x 140	300	V.668.161.920	1.430,00
LS – 2V – 130	130	96	215 x 149 x 59	315 x 190 x 150	300	V.678.161.920	1.560,00

Prices for heart blocks with non-listed boreholes available on request

HP – Thermostats, liquid-tight heating bath

device type	max. T. [°C]	samples	Heating tray L / W / D [mm]	Housing L / W / D [mm]	Power [W]	Order no.	Price €
HP – 1V – 130	130	24	140 x 98 x 75	382 x 212 x 140	300	V.640.061.920	1.940,00
HP – 1V – 210	210	24	140 x 98 x 75	382 x 212 x 140	300	V.640.062.920	1.980,00
HP – 2V – 130	130	48	198 x 140 x 75	440 x 253 x 140	600	V.650.061.920	1.430,00
HP – 2V – 210	210	48	198 x 140 x 75	440 x 253 x 140	600	V.650.062.920	1.430,00

HP – Thermostats with permanently installed heating blocks

device type	max. T. [°C]	samples	Heating tray L / W / D [mm]	Housing L / W / D [mm]	Power [W]	Order no.	Price €
HP-1V-130-24-16	130	24	-	382 x 212 x 140	300	V.640.061.920	1.940,00
HP-1V-210-24-16	210	24	-	382 x 212 x 140	300	V.640.062.920	1.980,00
HP-1V-130-48-16	130	48	-	440 x 253 x 140	600	V.650.061.920	2.310,00
HP-1V-210-48-16	210	48	-	440 x 253 x 140	600	V.650.062.920	2.350,00

BIO – Thermostats, liquid-tight heating bath

device type	max. T. [°C]	samples	Heating tray L / W / D [mm]	Housing L / W / D [mm]	Power [W]	Order no.	Price €
BIO-1V-130	130	38	140 x 98 x 46	310 x 190 x 150	300	V.668.061.920	1.660,00
BIO-2V-130	130	76	198 x 140 x 46	370 x 230 x 150	600	V.678.061.920	2.020,00

Prices for heart blocks with non-listed boreholes available on request

QS thermostats 130°C/210°C



Max. Working temp.	Type	Order no.	Price €
130°C	QS-1V-130	V.640.061.920	1.340,00
210°C	QS-1V-210	V.640.062.920	1.380,00

	Ø	Pr.	Type	Order no.	Price €
QS blocks for chrome. Vials H = 46 mm	11,8	24	HB-QS-24-11F	V.814.700.000	350
	15	16	HB-QS-16-15F	V.814.280.000	350
	23,2	5	HB-QS-5-23F	V.814.870.000	350
	24,2	5	HB-QS-5-24F	V.814.880.000	350
	1,5	16	HB-QS-16-1,5 EP	V.814.080.000	350
	2	16	HB-QS-16-2,0 EP	V.814.090.000	350

	ml	Pr.	Type	Order no.	Price €
QS blocks for Eppendorf tubes H = 46 mm	0,2	36	HB-QS-36-0,2-EP	V.814.060.000	350,00
	0,2	64	HB-QS-64-0,2-EPS	V.814.560.000	350,00
	0,5	24	HB-QS-24-0,5-EP	V.814.570.000	350,00
	1,5	24	HB-QS-24-1,5-EP	V.814.580.000	350,00
	2	24	HB-QS-24-2,0-EP	V.814.590.000	350,00

	Ø	Pr.	Type	Order no.	Price €
QS blocks for test tubes H = 75, D = 65 mm	10,2	24	HB-QS-24-10	V.814.710.000	350,00
	12,2	24	HB-QS-24-12	V.814.680.000	350,00
	13,3	24	HB-QS-24-13	V.814.690.000	350,00
	16,2	16	HB-QS-16-16	V.814.220.000	310,00
	16,2	16	HB-QS-16-16-Z	V.814.250.000	350,00
	17,2	16	HB-QS-16-17	V.814.230.000	330,00
	18,2	8	HB-QS-8-18	V.814.740.000	350,00
	20,2	8	HB-QS-8-18	V.814.750.000	350,00
	22,2	8	HB-QS-8-22	V.814.760.000	350,00
	24,2	5	HB-QS-5-24	V.814.770.000	350,00

	ml	Pr.	Type	Order no.	Price €
QS blocks for Eppendorf tubes H = 46 mm	0,2	36	HB-QS-36-0,2-EP	V.814.060.000	350,00
	0,2	64	HB-QS-64-0,2-EPS	V.814.560.000	350,00

You can find additional heating blocks suitable for the evaporator under "Evaporators."
Prices for core blocks with holes not listed are available on request.

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for small sample sizes

EC thermostats 130°C/210°C

Economy Class: Reliability and precision for tight budgets



Max. Working temp.	Type	Order no.	Price €
130°C	EC-1V-130	V.649.061.920	1.475,00
210°C	EC-1V-210	V.649.062.920	1.525,00



Max. Working temp.	Type	Order no.	Price €
130°C	EC-2V-130	V.659.061.920	1.740,00
210°C	EC-2V-210	V.659.062.920	1.780,00

Heating blocks HB-EC1 for test tubes W/D/H 149x107x75 mm	Ø	drilling	Type	Order no.	Price €
	10,2	48	HB-EC1-48-10	V.804.660.000	420,00
	12,2	48	HB-EC1-48-12	V.804.680.000	420,00
	13,2	34	HB-EC1-34-13	V.804.690.000	400,00
	16,2	24	HB-EC1-24-16	V.804.220.000	360,00
	16,2 kon	24	HB-EC1-24-16 Kon	V.804.250.000	400,00
	17,2	24	HB-EC1-24-17	V.804.230.000	380,00
	18,2	18	HB-EC1-18-18	V.804.740.000	380,00
	20,2	18	HB-EC1-18-20	V.804.750.000	380,00
	22,2	17	HB-EC1-17-22	V.804.760.000	380,00
	26,5	12	HB-EC1-12-26	V.804.790.000	420,00

Heating blocks HB-EC2 for test tubes W/D/H 215x107x75 mm	Ø	drilling	Type	Order no.	Price €
	10,2	96	HB-EC2-96-10	V.803.660.000	540,00
	12,2	96	HB-EC2-96-12	V.803.680.000	540,00
	13,2	76	HB-EC2-76-13	V.803.690.000	540,00
	16,2	48	HB-EC2-48-16	V.803.220.000	460,00
	17,2	48	HB-EC2-48-17	V.803.230.000	480,00
	18,2	38	HB-EC2-38-18	V.803.740.000	540,00
	20,2	38	HB-EC2-38-20	V.803.750.000	540,00
	22,2	24	HB-EC2-24-22	V.803.760.000	540,00
	26,5	24	HB-EC2-24-26	V.803.790.000	540,00
	10,2	96	HB-EC2-96-10	V.803.660.000	540,00

Heating blocks HB-EC1 for chrome. Vials with flat bottom "F" W/D/H 149x107x75 mm	Ø	drilling	Type	Order no.	Price €
	11,8	24	HB-EC1-24-11,8F	V.804.270.000	380,00
	11,8	48	HB-EC1-48-11,8F	V.804.700.000	680,00
	15,2	24	HB-EC1-24-15F	V.804.280.000	380,00
	23,2	12	HB-EC1-12-23F	V.804.770.000	400,00
	24,2	12	HB-EC1-12-24F	V.804.780.000	400,00
26,5	12	HB-EC1-12-26F	V.804.820.000	400	

Heating blocks HB-EC2 for chrome. Vials with flat bottom "F" W/D/H 215x107x75 mm	Ø	drilling	Type	Order no.	Price €
	11,8	96	HB-EC2-96-11,8F	V.803.700.000	560,00
	15,2	48	HB-EC2-48-15F	V.803.280.000	500,00
	23,2	24	HB-EC2-24-23F	V.803.770.000	540,00
	24,2	24	HB-EC2-24-24F	V.803.780.000	540,00

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LS thermostats 130°C



Max. Working temp.	Type	Order no.	Price €
130°C	LS-1V-130	V.668.161.920	1.430,00



Max. Working temp.	Type	Order no.	Price €
130°C	LS-2V-130	V.678.161.920	1.560,00

LS-1H heating blocks for Eppendorf tubes	B. ml	drilling	Type	Order no.	Price €
	0,2	48	HB-LS1H-48-0,2EP	V.800.560.000	220,00
	0,2	40	HB-LS1H-40-0,2EP	V.800.060.000	220,00
	0,5	40	HB-LS1H-40-0,5EP	V.800.570.000	220,00
	1,5	24	HB-LS1H-24-1,5EP	V.800.580.000	220,00
	2	24	HB-LS1H-24-2,0EP	V.800.590.000	220,00

LS-1 heating blocks for Eppendorf tubes	B. ml	drilling	Type	Order no.	Price €
	0,2	96	HB-LS1-96-0,2EPS	V.802.560.000	440,00
	0,2	80	HB-LS1-80-0,2EPS	V.802.060.000	440,00
	0,5	80	HB-LS1-80-0,5EPS	V.802.570.000	440,00
	1,5	48	HB-LS1-48-1,5EPS	V.802.580.000	440,00
	2	48	HB-LS1-48-2,0EPS	V.802.590.000	440,00

LS-1H heating blocks for test tubes	Ø	drilling	Type	Order no.	Price €
	10,2	24	HB-LS1H-24-10,2	V.800.660.000	220,00
	12,2	24	HB-LS1H-24-12,2	V.800.680.000	220,00
	16,2	12	HB-LS1H-12-16,2	V.800.220.000	220,00

LS-1 heating blocks for test tubes	Ø	drilling	Type	Order no.	Price €
	10,2	48	HB-LS1-48-10	V.802.660.000	440,00
	12,2	48	HB-LS1-48-12	V.802.680.000	440,00
	16,2	24	HB-LS1-24-12	V.802.220.000	440,00

LS-1H heating blocks for Falcon tubes 15 and 50 ml	B. ml	drilling	Type	Order no.	Price €
	15	12	HB-LS1H-12-15FAL	V.800.470.000	220,00
	50	4	HB-LS1H-4-50FAL	V.800.480.000	220,00

LS-1H heating blocks for Falcon tubes 15 and 50 ml	B. ml	drilling	Type	Order no.	Price €
	15	12	HB-LS1H-12-15FAL	V.800.470.000	220,00
	50	4	HB-LS1H-4-50FAL	V.800.480.000	220,00

LS-2 heating blocks for Eppendorf tubes	B. ml	drilling	Type	Order no.	Price €
	1,5	96	HB-LS2-96-1,5EP	V.801.580.000	680,00
	2	96	HB-LS2-96-2,0EP	V.801.590.000	680,00

You can find additional heating blocks suitable for the evaporator under "Evaporators."
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HP thermostats 130°C/120°C



Max. Working temp.	Type	Order no.	Price €
130°C	HP-1V-130	V.640.061.920	1.940,00
210°C	HP-1V-210	V.640.062.920	1.980,00



Max. Working temp.	Type	Order no.	Price €
130°C	HP-2V-130	V.650.061.920	2.310,00
210°C	HP-2V-210	V.650.062.920	2.350,00

with interchangeable heating blocks

Heating blocks for test tubes	Ø	drilling	Type	Order no.	Price €
	10,2	52	HB-HP1-52-10	V.812.660.000	460,00
	12,2	34	HB-HP1-34-12	V.812.680.000	460,00
	13,2	34	HB-HP1-34-13	V.812.690.000	460,00
	16,2	24	HB-HP1-24-16	V.812.220.000	460,00
	17,2	24	HB-HP1-24-17	V.812.230.000	460,00
	18,2	14	HB-HP1-14-18	V.812.240.000	460,00
	20,2	14	HB-HP1-14-20	V.812.750.000	460,00
	22,2	12	HB-HP1-12-22	V.812.760.000	460,00
	26,5	12	HB-HP1-12-26	V.812.790.000	460,00

Heating blocks for test tubes	Ø	drilling	Type	Order no.	Price €
	10,2	92	HB-HP2-92-10	V.811.660.000	540,00
	12,2	68	HB-HP2-68-12	V.811.680.000	540,00
	13,2	68	HB-HP2-68-13	V.811.690.000	540,00
	16,2	48	HB-HP2-48-16	V.811.220.000	560,00
	17,2	48	HB-HP2-48-17	V.811.230.000	560,00
	18,2	48	HB-HP2-48-18	V.811.240.000	560,00
	20,2	34	HB-HP2-34-20	V.811.750.000	540,00
	22,2	24	HB-HP2-24-22	V.811.760.000	540,00
	26,5	24	HB-HP2-24-26	V.811.790.000	540,00

Heating blocks for test tubes in evaporators	Ø	drilling	Type	Order no.	Price €
	11,8	48	HB-HP2-48-11F- EVA	V.811.270.000	560,00
	11,8	68	HB-HP2-68-11F	V.811.700.000	540,00
	15,2	48	HB-HP2-48-15F-EVA	V.811.280.000	560,00
23,2	24	HB-HP2-24-23F	V.811.770.000	540,00	

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HP thermostats 130°C/120°C



Max. Working temp.	Type	Order no.	Price €
130°C	HP-1V-130	V.640.061.920	1.940,00
210°C	HP-1V-210	V.640.062.920	1.980,00



Max. Working temp.	Type	Order no.	Price €
130°C	HP-2V-130	V.650.061.920	2.310,00
210°C	HP-2V-210	V.650.062.920	2.350,00

with interchangeable heating blocks

Heating blocks for test tubes	Ø	drilling	Type	Order no.	Price €
	10,2	52	HB-HP1-52-10	V.812.660.000	460,00
	12,2	34	HB-HP1-34-12	V.812.680.000	460,00
	13,2	34	HB-HP1-34-13	V.812.690.000	460,00
	16,2	24	HB-HP1-24-16	V.812.220.000	460,00
	17,2	24	HB-HP1-24-17	V.812.230.000	460,00
	18,2	14	HB-HP1-14-18	V.812.240.000	460,00
	20,2	14	HB-HP1-14-20	V.812.750.000	460,00
	22,2	12	HB-HP1-12-22	V.812.760.000	460,00
	26,5	12	HB-HP1-12-26	V.812.790.000	460,00

Heating blocks for test tubes	Ø	drilling	Type	Order no.	Price €
	10,2	92	HB-HP2-92-10	V.811.660.000	540,00
	12,2	68	HB-HP2-68-12	V.811.680.000	540,00
	13,2	68	HB-HP2-68-13	V.811.690.000	540,00
	16,2	48	HB-HP2-48-16	V.811.220.000	560,00
	17,2	48	HB-HP2-48-17	V.811.230.000	560,00
	18,2	48	HB-HP2-48-18	V.811.240.000	560,00
	20,2	34	HB-HP2-34-20	V.811.750.000	540,00
	22,2	24	HB-HP2-24-22	V.811.760.000	540,00
	26,5	24	HB-HP2-24-26	V.811.790.000	540,00

Heating blocks for test tubes in evaporators	Ø	drilling	Type	Order no.	Price €
	11,8	48	HB-HP2-48-11F- EVA	V.811.270.000	560,00
	11,8	68	HB-HP2-68-11F	V.811.700.000	540,00
	15,2	48	HB-HP2-48-15F-EVA	V.811.280.000	560,00
23,2	24	HB-HP2-24-23F	V.811.770.000	540,00	

You can find additional heating blocks suitable for the evaporator under "Evaporators."
Prices for core blocks with holes not listed are available on request.

You can find additional heating blocks suitable for the evaporator under "Evaporators."
Prices for core blocks with holes not listed are available on request.

HT thermostats “High Temperature”

300°C, 400°C with permanently installed heating blocks



The devices in the HT series are designed for temperature control tasks in the high-temperature range up to +300°C or +400°C and have a special housing due to their higher thermal insulation. HT thermostats are an ideal replacement for oil or sand baths. In comparison, the HT temperature control system reacts much more sensitively and accurately.

The high precision and temperature stability in sample temperature control is achieved on the one hand by the high performance of the JUMO microprocessor PID controllers. On the other hand, the permanently installed heating blocks made of a special aluminum alloy with high thermal conductivity are characterized by fast, even heat distribution.

On request, the HT thermostats can be equipped with special controllers, e.g., for carrying out temperature-time programs, and of course also with RS 232 interfaces. We supply separately installable control boxes for controlling the HT thermostat outside a fume cupboard.

Due to the material properties of aluminum and aluminum alloys, metal block thermostats with heating pans for replaceable heating blocks can only be manufactured up to +210°C. HT thermostats are therefore only available with permanently installed heating blocks, which is indicated by the type designation “F”.

The HT housings are sealed against the heating blocks with an acid- and alkali-resistant glass fiber seal to prevent liquids from penetrating the device. At the same time, the seal prevents as little heat as possible from being transferred from the heating block to the housing. This means that HT thermostats offer a high level of protection against burns.

For an additional charge, HT devices can be equipped with a heat or touch protection plate. We also supply polycarbonate protective covers as accessories.

Furthermore, the stainless steel housings can be painted or coated with a fluoropolymer coating.

- High accuracy of temperature control
- Microprocessor controller (PID) or method-specific program controller
- Alternative: control box for remote control
- Convenient sample handling, no oil vapors
- No contamination of test tubes
- No carryover of silicone from heating baths
- Compact housing, high sample capacity in a small space
- No risk of accidents due to splashing hot oil

Prices on request

	Ø	drilling	Type	Order no.	Price €
HT1 and HT2 with permanently installed heating blocks	16,2	48	HT-1F-300-48-16	V.683.263.220	3.200,00
	16,2	48	HT-1F-400-48-16	V.683.264.220	3.800,00
	16,2	24	HT-2F-300-24-16	V.684.263.220	2.800,00
	16,2	24	HT-2F-400-24-16	V.684.264.220	3.200,00

Technical specifications	HT1	HT2
operating temperature	5°C > Room temp. up to max. 300°C/400°C	
temperature control	JUMO microprocessor controller (PID) with ramp and timer function 0-999 min, with controllers for time and temperature ramps on request	
Temperature stability over time	± 0,1 °C	
Temperature display	LED display, resolution 0.1 °C	
overheating protection	20°C > max. operating temperature	
Performance at 300 °C / 400 °C	1200 W / 1800W	600 W / 800 W
heating blocks	Precision milled, permanently installed	
Dimensions L/W/D	198 x 140 x 75 mm	140 x 99 x 75 mm
standard drilling depth	65 mm, up to 100 mm on request (additional charge)	
capacity	48 test tubes	24 test tubes
housing	Stainless steel with acid- and alkali-resistant fiberglass seal around the lid cutout, edge protection	
Dimensions L/W/H	283 x 454 x 220 mm	283 x 402 x 220 mm
Weight	approx. 15.5 kg	approx. 10.8 kg

Prices on request

SPA thermostats up to +450 °C



SPA thermostats are designed for special applications in analysis and materials testing. We supply standard devices for performing specific procedures in accordance with recognized national or international standards, e.g., for COD determination in environmental analysis. The following examples give you an idea of the different designs available. All devices are equipped with high-quality JUMO microprocessor PID controllers, which ensure high temperature stability over the entire temperature range. Depending on the task, the digital controllers are selected for the specific requirements, e.g., with 2 setpoints or for time/temperature programs. On request, the controllers can be equipped with RS 232 interfaces. SPA thermostats are available with separate control boxes if, for example, they are to be operated outside the fume cupboard. This protects the control electronics from particularly aggressive media or high temperatures. SPA thermostats and heating blocks can be manufactured for all glass or metal vessels commonly used in laboratories. The robust stainless steel housings can be painted, powder-coated, or, for particularly aggressive media, coated with Halar® (ECTFE) upon request.



- CSB digesters
- Kjeldahl digesters (nitrogen)
- Hydroxyproline digestions
- Incubators for microbiology
- Thermostats for material testing
- Rubber aging test
- Built-in thermostats for automatic analyzers

Thermostats with accessories for COD and other digestions for 12 or 24 samples (see images) and accessories. The heating blocks have a particularly high heat capacity in order to transfer sufficient heat to the samples for rapid heating. To ensure optimum heat transfer, the holes are milled with high precision to match the reaction vessels.

Prices on request

Thermostats with accessories for hydroxyproline digestion in food analysis for 28 or 40 samples (see images) and accessories. Housing and heating block ECTFE-coated on request.

Hydroxyproline digestion thermostat for 40 samples



Hydroxyproline digestion thermostat for 28 samples



Test tube rack for 40 samples



Hydroxyproline digestion thermostat, powder-coated



Prices on request

Evaporators



EVA-LS1 MT
with tripod



EVA-EC2L
with motor-driven lift

The EVA-EC complete systems for 48, 24, or 16 samples consist of:

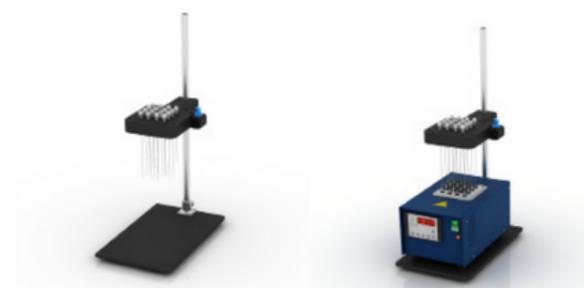
- Evaporator with gas dosing unit and motor-driven lift or stand unit
- EC thermostat with heating bath for interchangeable heating blocks, working temperature up to 130°C or 210°C
- 1 heating block for 48, 24, or 16 standard test tubes Ø16 mm, drilling depth 65 mm
- 48, 24, or 16 stainless steel cannulas, optionally coated with PVDF (surcharge) Microtiter plates: 96 cannulas
- PU connection hose with adapter for connection to gas fittings
- Optional: Adapter plate for use with Pasteur pipettes or pipette tips (additional charge)
- Optional: Gas pressure reducer with pressure gauge

Köhler-VLM evaporators are a cost-effective alternative to rotary evaporators and other concentrators when a large number of samples need to be processed. The evaporation of the solvent is accelerated by gassing with nitrogen, a method that is particularly gentle on oxidation-sensitive samples. The metal block thermostats serve to compensate for the evaporation cold, thereby maintaining the temperature of the system.

A complete evaporator system consists of the evaporator unit with a motor-driven lift or a manually height-adjustable stand, the gas dosing unit, and the metal block thermostat QS, EC, LS, or VIS. In the lift version, this stands on a base plate that can be pulled out to the front, making it very convenient to replace the heating blocks or samples.

After turning the gas dosing unit of the EVA lift by 180°, the stainless steel cannulas or Pasteur pipettes (adapter plate required) can be conveniently inserted into the silicone holders from above. In the stand version, the gas dosing unit can be removed and also loaded from above after turning it over.

We supply cabinets as accessories that can be connected to a laboratory ventilation system if there is no space in the laboratory fume hood. It is also possible to pulse the nitrogen flow and switch it off after a preselected time.



Type EVA QS	samples	Order no.	Price €
EVA QS-S, complete system	16	V.830.033.122	2.690,00
EVA QS tripod + N2 canister.	16	V.833.000.002	1.040,00
QS-130-V thermostat	16	V.660.061.920	1.340,00
Heating block HB-QS-16-16	16	V.814.220.000	310,00
Adapter plate for Pasteur pipettes	16	V.826.812.000	280,00



Type EVA EC1	samples	Order no.	Price €
EVA EC1-S tripod, complete system	24	V.830.011.122	2.990,00
EVA EC1-L Lift, complete system	24	V.830.511.122	5.335,00
EVA EC-1 S, tripod + N2 canister.	24	V.832.000.002	1.155,00
EVA EC-1 L, Lift + N2 Dos.	24	V.832.416.003	3.500,00
Thermostat EC1V-130	24	V.649.061.920	1.475,00
Heating block HB-EC1-24-16	24	V.804.220.000	360,00
Adapter plate for Pasteur pipettes	24	V.826.612.000	330,00

Evaporators

for stripping solvents with nitrogen



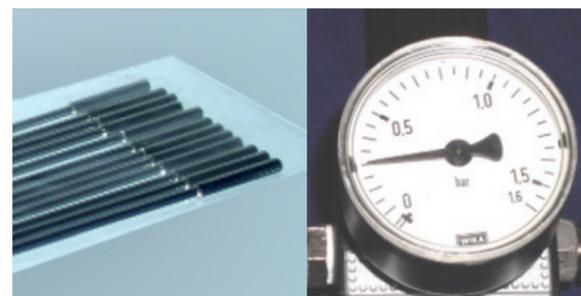
Type EVA EC2	samples	Order no.	Price €
EVA EC2 tripod, system	48	V.830.012.122	3.970,00
EVA EC2 lift, system	48	V.830.512.122	6.290,00
EVA EC2-S tripod + N2 canister.	48	V.831.000.002	1.770,00
EVA EC2-L Lift + N2 dosing.	48	V.832.416.005	4.090,00
Thermostat EC-2V-130	48	V.659.061.920	1.740,00
Heating block HB-EC2-48-16	48	V.803.220.000	460,00
Adapter plate for Pasteur pipettes	48	V.826.712.000	520,00



Type EVA LS1 MT	samples	Order no.	Price €
EVA-LS1-S-MT, complete system	96	V.830.211.105	4.055,00
EVA LS-1 L MT, complete system	96	V.830.721.105	6.550,00
EVA LS1 MT tripod + N2 canister.	96	V.832.000.012	2.185,00
EVA LS1 MT Lift + N2 dosing.	96	V.832.416.013	4.680,00
Thermostat LS-1V-130	96	V.668.161.920	1.430,00
Heating block HB-LS1-MT-R	96	V.802.020.000	440,00



Type EVA VIS	samples	Order no.	Price €
EVA VIS-72 Complete System	72	V.830.541.122	9.940,00
EVA VIS Lift + N2 dosing.	72	V.834.416.001	5.000,00
EVA VIS-100 thermostat	72	V.685.260.220	3.470,00
Heating block HB-EVAVIS-24-16 (3 pcs. required)	24	V.816.220.000	490,00



Type EVA LS MT	Order no.	Price €
Adapter plate for Pasteur pipette 72	V.826.412.000	720,00
Pressure reducer with pressure gauge	V.825.211.130	123,00
Set of stainless steel cannulas (12 pieces) A-Ø 2.0 mm I-Ø 1.0 mm Length 150 mm	V.825.211.003	124,00
Set of stainless steel cannulas (12 pieces) A-Ø 2.0 mm I-Ø 1.0 mm Length 150 mm PVDF coated	V.825.221.003	134,50
Replacement metering screws for gas metering units, 12 pcs.	V.825.211.100	64,00
Replacement PU hose, clear, 2 m	V.825.211.110	8,00

Heating blocks for evaporators

For all sample containers commonly used in laboratories



Max. Working temp.	Type	Order no.	Price €
130°C	QS-1V-130	V.660.061.920	1.340,00
210°C	QS-1V-210	V.660.062.920	1.380,00



Max. Working temp.	Type	Order no.	Price €
130°C	EC-1V-130	V.649.061.920	1.475,00
210°C	EC-1V-210	V.649.062.920	1.525,00

QS blocks for test tubes, round bottom	Ø	drilling	Type	Order no.	Price €
	12,2	16	HB-QS-16-12	V.814.180.000	330,00
	16,2	16	HB-QS-16-16	V.814.220.000	310,00
	17,2	16	HB-QS-16-17	V.814.230.000	330,00

QS blocks for chromatography vials, flat bottom "F"	Ø	drilling	Type	Order no.	Price €
	11,8	16	HB-QS-16-11F	V.814.270.000	350,00
	15,2	16	HB-QS-16-15F	V.814.280.000	350,00

QS blocks for Eppendorf tubes 1.5 ml and 2.0 ml	ml	Pr.	Type	Order no.	Price €
	1,5	16	HB-QS-16-1,5EP	V.814.080.000	350,00
	2	16	HB-QS-16-2,0EP	V.814.090.000	350,00

EC blocks for test tubes, round bottom	Ø	drilling	Type	Order no.	Price €
	12,2	24	HB-EC1-24-12	V.804.180.000	380,00
	16,2	24	HB-EC1-24-16	V.804.220.000	360,00
	17,2	24	HB-EC1-24-17	V.804.230.000	360,00
	18,2	12	HB-EC1-12-18	V.804.840.000	380,00
	20,2	12	HB-EC1-12-20	V.804.850.000	380,00
	22,2	12	HB-EC1-12-22	V.804.860.000	380,00
	26,5	12	HB-EC1-12-26	V.804.890.000	400,00

EC blocks for chromatography vials, flat bottom "F"	Ø	drilling	Type	Order no.	Price €
	11,8	24	HB-EC1-24-11F	V.804.270.000	380,00
	15,2	24	HB-EC1-24-15F	V.804.280.000	380,00
	23,2	12	HB-EC1-12-23F	V.804.870.000	400,00
	24,5	12	HB-EC1-12-24F	V.804.880.000	400,00
	26,5	12	HB-EC1-12-26F	V.804.820.000	400,00

QS blocks for Eppendorf tubes 1.5 ml and 2.0 ml	ml	Pr.	Type	Order no.	Price €
	1,5	24	HB-EC1-24-1,5EP	V.804.080.000	400,00
	2	24	HB-EC1-24-2,0EP	V.804.090.000	380,00

Prices for heart blocks with non-listed boreholes available on request

Prices for heart blocks with non-listed boreholes available on request

Heating blocks for evaporators

For all sample containers commonly used in laboratories



Max. Working temp.	Type	Order no.	Price €
130°C	EC-2V-130	V.659.061.820	1.110,00
210°C	EC-2V-210	V.659.062.820	1.140,00



Max. Working temp.	Type	Order no.	Price €
130°C	LS-1V-130	V.668.161.920	1.430,00

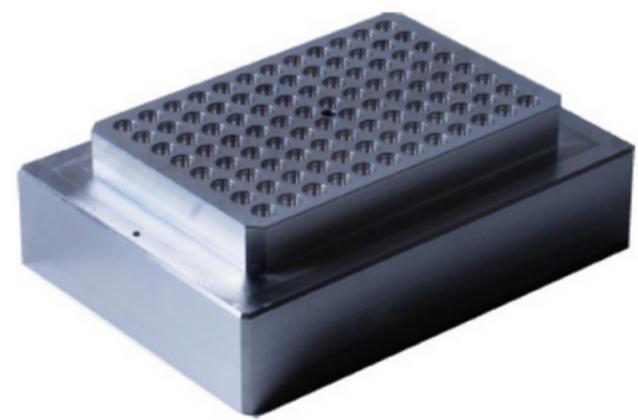
EC blocks for test tubes, round bottom	Ø	Order no.	Type	Order no.	Price €
	12,2	48	HB-EC2-48-12	V.803.180.000	420,00
	16,2	48	HB-EC2-24-18	V.803.220.000	395,00
	17,2	48	HB-EC2-48-17	V.803.230.000	425,00
	18,2	24	HB-EC2-24-18	V.803.840.000	425,00
	20,2	24	HB-EC2-24-20	V.803.850.000	425,00
	22,2	24	HB-EC2-24-22	V.803.860.000	425,00
	26,5	24	HB-EC2-24-26	V.803.890.000	425,00

Heating blocks HB-LS1-MT for LS1 thermostats	Wells	drilling	Order no.	Price €
	around	96	V.802.020.000	440,00
	flat	96	V.802.030.000	440,00
	pointed	96	V.802.040.000	440,00
	pointed	96	V.802.050.000	440,00

EC blocks for chromatography vials, flat bottom "F"	Ø	drilling	Type	Order no.	Price €
	11,8	48	HB-EC2-48-11F	V.803.270.000	425,00
	15,2	48	HB-EC2-48-15F	V.803.280.000	425,00
	23,2	24	HB-EC2-24-23F	V.803.870.000	425,00
	24,5	24	HB-EC2-24-24F	V.803.880.000	425,00
26,5	24	HB-EC2-24-25F	V.803.820.000	425,00	



QS blocks for Eppendorf tubes 1.5 ml and 2.0 ml	ml	Pr.	Type	Order no.	Price €
	1,5	48	HB-EC2-48-1,5-EP	V. 803.080.000	420,00
	2	48	HB-EC2-48-2,0-EP	V. 803.090.000	420,00



Prices for heart blocks with non-listed boreholes available on request

Prices for heart blocks with non-listed boreholes available on request



Technical specifications	
capacity	Up to a maximum of 72 samples
operating temperature	5°C > Room temperature up to max. 100 °C
temperature control	Microprocessor controller (PID) with ramp and timer function
display	LED display, resolution 0.1 °C
Temperature Sensor	1 x Pt 100
housing	stainless steel
Temp. Stability over time	± 0,1 °C
Dimensions L / W	540 x 475 mm
Power W	600W

The Evaporator-VIS

The illustration on the left shows the standard version of the device for use with 3 heating blocks for 72 standard test tubes Ø 16 mm.

The heating blocks are equipped with longitudinal slots so that the falling liquid level in the front block can be observed. A fluorescent lamp provides better lighting conditions. Under these conditions, it is possible to concentrate the samples to a residual volume.

The nitrogen supply for the rear heating blocks can be opened with a time delay. Most of the solvent has already evaporated, as it is not necessary to monitor the liquid level during this phase.

After removing the front block, the blocks behind it are pulled forward to stop evaporation in the final phase. Thanks to this time-saving procedure, the Köhler VLM Evaporator VIS enables a high sample throughput.

We supply heating blocks for test tubes, Eppendorf reaction vessels, chromatography vials, round-bottom and pointed flasks.

The gas dosing unit is divided into three chambers, each of which is supplied with nitrogen separately. The flow rate for each of the up to 72 samples is set individually using the valve screws. Unused outlets remain closed. Instead of stainless steel capillaries, glass Pasteur pipettes can be used after attaching the adapter plate.

The thermostat is equipped with a JUMO microprocessor PID controller and ensures precise temperature control of the samples and compensation for evaporation cooling.

Subject to technical changes.

	Order no.	Type		Ø mm	No.	Price €
Heating blocks HB-EVA-VIS 3 blocks per heating tray	V.816.220.000	HB-EVA-VIS-24-16	test tubes	16,2	24	490,00
	V.816.520.000	HB-EVA-VIS-24-11,8F	Chrom. Vials 1,5 ml	11,8F	24	540,00
	V.816.540.000	HB-EVA-VIS-24-15,0F	Chrom. Vials 4 ml	15,0F	24	540,00
	V.816.570.000	HB-EVA-VIS-12-23,2F	Headspace Vials	23,2	12	540,00
	V.816.310.000	HB-EVA-VIS-6-10-SPK	pointed piston	10 ml	6	1.200,00

	Order no.	Type		Ø mm	No.	Price €
Heating blocks HB-EVA-VIS, 2 blocks per heating pan	V.815.220.000	HB-EVA-VIS-34-16	test tubes	16,2	34	560,00
	V.815.310.000	HB-EVA-VIS-12-10-SPK	pointed piston	10 ml	12	1.100,00
	V.815.340.000	HB-EVA-VIS-4-100-SPK	pointed piston	100 ml	4	1.400,00
	V.815.930.000	HB-EVA-VIS-12-10-RK	round flask	10ml	12	1.300,00
	V.815.960.000	HB-EVA-VIS-4-100-RK	round flask	100ml	4	1.600,00

Prices for heat blocks with non-listed boreholes available on request

Would you like a pinch of salt?



Those who know it swear by it:

SaliCORR® Sodium Chloride for Corrosion Testing

- High purity, with quality certificate
- Free-flowing, guaranteed without anti-caking agents
- Ready-to-use packages with precise weighing

Available in the following quality grades:

SaliCORR® Sodium Chloride

NaCl Special grade for corrosion testing in accordance with ISO 9227

SaliCORR® ASTM Sodium Chloride

NaCl, special grade for corrosion testing in accordance with ISO 9227, ASTM B 117, EN 60068-2-11

SaliCORR® SP Sodium Chloride

NaCl, special grade for corrosion testing in accordance with ISO 6353-2, DIN EN ISO 9227:2017, ASTM B117, EN 60068-2-11, RSA 36-00-802CH/09, Nissan MO158

Available in the following packaging sizes:

- PE bag 5 kg
- PE bucket 10 kg
- PE bucket 20 kg
- PE bucket 25 kg



Not found what you're looking for? No problem!



We offer additional salt spray systems and laboratory supplies.



DeepFreeze – Everything in one system

Our DeepFreeze series offers a range of solutions that comply with the DIN EN ISO 11997-3 (DIN 55635; VDA 233-102) standard.

From chests for top loading and cabinets for front loading to walk-in and drive-in custom chambers, anything is possible:

- Chest with 1000 l
- Cabinet with 500 l to 2000 l
- Custom chamber up to 100 m³

Battery test – tomorrow's technology today

Quality assurance for batteries in electric vehicles, for example, is becoming increasingly important.

The safety of people and the environment plays a crucial role here. To ensure long-term safety, batteries must be tested under a wide range of weather conditions.

We offer a corrosion testing system for battery tests, which allows us to implement various testing standards. Thanks to precisely coordinated safety measures and close consultation with our customers, we can find a solution for all customer requirements. All existing hazard levels (HL) 0-7 can be implemented.



Laboratory supplies – quality redefined

Metal block thermostats and evaporators in a wide range of variations and sizes.

Only high-quality components that offer a high level of reliability are used. In addition to the variants, we also offer a wide variety of heating blocks that are easy to replace. We can also manufacture special blocks on customer request.