VAN DER HEIJDEN
Labortechnik GmbH

cool solutions - your advantage

Cool Solutions - Your Advantage

CATALOGUE

cool solutions - your advantage

VAN DER HEIJDEN
Labortechnik GmbH

cool solutions - your advantage

www.vdh-online.com

Table of Contents

General information

Products & Special Solutions

Options & Accessories

Service & Contact

About us

Precision, quality, and sustainability since 1974

For over five decades, Van der Heijden Labortechnik GmbH has stood for expertise, quality, and reliability in the development and manufacture of high-performance cooling and temperature control equipment for research, science, and industry. Based in Dörentrup, Germany, we have been one of the market leaders in customer-specific solutions in the field of laboratory and refrigeration technology for many years. Since 2017, we have been part of Peter Huber Kältemaschinenbau SE.

Our product portfolio includes recirculating chillers and temperature control units of all kinds – from proven standard solutions to individually developed custom-made products. We always strive to implement the technically and economically optimal solution for every application. Continuous further development of our products and alignment with current and future technical requirements are a matter of course for us.

An experienced team of specially trained experts forms the foundation of our success. Thanks to our in-depth expertise and many years of experience, we are able to develop customized device configurations for a wide range of applications. Close cooperation with our customers and comprehensive consulting ensure that all solutions are precisely tailored to the respective requirements. When manufacturing our cooling units, we place the highest value on durability, performance, and sustainable quality. The entire company is certified according to DIN EN ISO 9001, guaranteeing consistently high quality standards — both in production and service.

Sustainability and energy efficiency are firmly anchored in our corporate philosophy. Van der Heijden lives and breathes energy conservation: Through the use of solar cells, light sensors, material recycling, and the utilization of waste heat from testing processes, we make our processes as environmentally friendly as possible. The recycling of old appliances is also part of our holistic sustainability concept. Our customers benefit from energy- and water-saving solutions that we are continuously developing — while maintaining competitive prices.

Our service promise is rounded off by professional support — from initial contact and project implementation to comprehensive after-sales service. This is how we create long-term partnerships and maximum customer satisfaction.

Van der Heijden Labortechnik GmbH — Your reliable partner for innovative, efficient, and customized cooling and temperature control solutions.

History

From laboratory supplier to specialist in refrigeration equipment

1974

Founding
In 1974, the company was founded as a laboratory supply store by Peter Van der Heijden in Dörentrup, Germany.

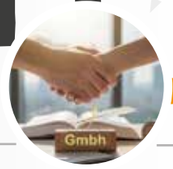
VAN DER HEIJDEN Labortechnik GmbH

1985

Production facility for chillers
In 1985, the company changed its production focus and became a manufacturing facility for laboratory and recirculating chillers.

2001

Change of name to GmbH
Christoph Plagens takes over management in 2001. The company becomes a limited liability company (GmbH), and Christoph Plagens later becomes the owner.



2012

Relocation to Dörentrup-Humfeld
In 2012, the new production facilities in the Dörentrup-Humfeld industrial park will be completed and occupied.

2017

Takeover by
Peter Huber Kältemaschinenbau SE
In 2017, Peter Huber Kältemaschinenbau SE acquired Van der Heijden Labortechnik GmbH, opening up new opportunities on the global market. Mirko Laskowski and Andrej Kepler took over the management of the company, which continues to operate independently. Christoph Plagens continues to support the company as sales manager.

2024

50 Years
Van der Heijden Labortechnik
In 2024, Van der Heijden Labortechnik GmbH celebrates its 50th anniversary.

Services

Solution-oriented and individualized

As your expert partner for high-quality temperature control and cooling solutions, we offer a comprehensive range of services — From innovative standard devices and customized special designs to first-class service and technical support.

Product expertise – Innovative temperature control and cooling systems

We develop and manufacture a wide range of high-quality cooling and temperature control solutions for research, industry, laboratories, and special applications.

Our product portfolio includes:

- **Standard temperature control solutions**
  - Devices for different temperature ranges
  - Air- and water-cooled systems
- **Cooling devices for special applications**
  - Environmentally friendly solutions
  - Equipment for laboratories, pharmaceuticals, research, and industry
- **Customized solutions & special designs**
  - Customized devices according to customer requirements
  - OEM products and series production
- **Options, accessories, and spare parts**
  - Appropriate extensions for your systems
  - Original parts for long-term performance and reliability

Customized solutions & OEM designs

Do you have special requirements that go beyond the standard offering?

Our experienced team offers:

- Special designs according to customer specifications
- OEM development & series production
- Split systems and special integration into existing processes
- Flexible adaptation of cooling concepts for your applications

Your advantage: Perfect solutions tailored precisely to your requirements.

Service & Support – Reliable support

Our service goes far beyond the purchase: we accompany you throughout the entire life cycle of your devices.

Scope of services:

- Technical support (phone & email)
- On-site or factory maintenance and repair
- Individual maintenance contracts to reduce downtime
- Individual advice and support for application and operation

Our trained team is always ready to help you with any questions you might have about your systems.

Efficient processing & customer service

We ensure that your order and delivery run smoothly:

- Optimized order processing
- Transparent returns processes
- Support from competent contact persons

Consulting & Quotation Preparation

Not sure which system is best for you? We can help!

- Personal expert advice
- Preparation of customized offers
- Advice on accessories, options, and optimal device selection

In addition, we offer support with integration into existing processes and provide training and instruction for your employees!

Cool Solutions - Your Advantage

Your advantages at Van der Heijden

Made in Germany
Durable & high-quality products - made in Germany.

Sustainable
We rely on innovative and environmentally friendly technologies in the development of our products.

Certified quality
Highest quality standards, structured processes, and continuous improvement—a reliable partner for sustainable success.

Customer satisfaction
High customer satisfaction thanks to high-quality equipment and reliable service..

Special solutions
We manufacture application-specific cooling devices according to customer requirements.

Top service
Excellent customer service that guarantees maximum customer satisfaction with personal support, fast response times, and customized solutions.

- Certified quality
- Technical safety
- Environmentally friendly processes
- Compliance with the law

Sustainability

Ecological responsibility

Sustainable cooling technology with responsibility

Sustainability has long been more than just a trend—it is an obligation for companies that take their responsibility for the environment and climate seriously. Energy efficiency, reduced emissions, and the use of environmentally friendly technologies are crucial factors for sustainable production. With innovative cooling technology, we are doing our part to promote the conscious use of resources and reduce our customers' ecological footprint.

EU Regulation (EU) 2024/573 sets clear standards for climate protection: fluorinated refrigerants with high global warming potential are significantly restricted in order to reduce emissions and protect the environment in the long term. At the same time, the regulation opens up opportunities for environmentally friendly alternatives that are not only legally compliant but also future-proof.

Our recirculating chillers use the natural refrigerant R290, which is ozone-friendly, has a very low global warming potential, and already meets the requirements of future legal regulations. R290 combines maximum efficiency, reliability, and sustainability in one system—for operation that combines environmental responsibility with economic benefits.

With R290, we are committed to environmentally friendly, sustainable cooling technology that not only maximizes the performance of your systems but also actively contributes to climate protection strategies. Our devices enable future-proof production that combines technology, efficiency, and environmental responsibility.

R290: Proven refrigerant – efficient and sustainable

R290 (propane) impresses with its outstanding thermodynamic properties, such as high specific evaporation enthalpy, favorable pressure levels, and excellent heat transfer. This results in high coefficients of performance (COP) and high seasonal energy efficiency. The reduced energy requirement lowers operating costs in the long term and minimizes indirect CO_2 emissions over the entire life cycle of the system.

With a global warming potential (GWP) of 3 and an ozone depletion potential (ODP) of 0, R290 offers an excellent environmental balance. Compared to fluorinated refrigerants, both direct and indirect emissions are significantly reduced – a major contribution to the decarbonization of industrial and commercial cooling processes.

The high volumetric cooling capacity allows for low fill quantities and supports compact, material- and resource-efficient system designs. At the same time, the reduced refrigerant quantity improves the overall environmental balance and reduces potential environmental impacts in the event of service or maintenance.

As a natural refrigerant, R290 is available long term, is not affected by F-gas reduction scenarios, and already meets current and foreseeable regulatory requirements. This creates investment and planning security and positions R290 as a future-proof, sustainable solution for modern, energy-efficient recirculating cooling systems.

Conclusion: R290 is an energy-efficient, climate-friendly, and regulatory future-proof refrigerant that enables high-performance and sustainable recirculating cooling systems.

FAQ

Frequently asked questions

I don't know what cooling capacity I need.

We are happy to assist you with this. Our experienced team of technicians will customize the right chiller to your individual requirements. We may even already have implemented a comparable solution for your specific application.

I need a modified chiller, but only one piece.

Van der Heijden specializes in the development of cooling units for customer-specific applications and special solutions. In addition, all our standard units can be customized to individual customer requirements.

I am not from Germany.
Will I still receive good service?

Van der Heijden is a Huber Group company and has a global network of service partners who can provide comprehensive local support for both companies.

The chiller is supposed to run continuously, i.e. 24/7. Is that possible?

Our laboratory chillers come with a 2-year warranty and guarantee reliable 24/7 operation.

I want to save resources and reduce water consumption in cooling. Is that possible?

Our laboratory chillers save 100% water compared to continuous water cooling.

Do you offer product or service training for your customers on how to use your refrigeration equipment?

Yes, we offer you and your team customized training and education opportunities. Training courses for you and your employees can take place at your premises, at our company, or via webinar.

Are your refrigerators also available with natural refrigerants?

Yes, a large number of our chillers can be operated with the natural refrigerant R290.

Find the right cooling unit for your applications!

In order for us to provide you with a customized quote for your refrigeration equipment, the following information is very valuable to us:

- What needs to be cooled?
- What heat load must be transported from the device to be cooled?
  (This load corresponds to the required cooling capacity.)
- What volume flow and pressure are required to cool the device?
- What volume flow and pressure are required to cool the device?
- What temperature of the water supply is required at the device to be cooled?
- Does the chiller have to be installed outside the building?
- Is the water supply to the device to be cooled blocked by a solenoid valve?
- Is there a building supply with cooling water? If so, we require some information regarding the primary side for water-water chillers or water-cooled devices with active cooling.

  This means:
  - What is the maximum temperature of the domestic water cooling circuit?
  - What is the pressure difference at the tap point (interface to the chiller)?
  - What is the nominal pressure of the domestic cooling system?
- How much space is available for the laboratory chiller?
- Can heat build up at the location of the refrigeration machine and does this need to be avoided?
- Is the chiller moved around often?
- Is fully demineralised water with permanently low conductivity required for the unit to be cooled? In this case, it is necessary that all components in contact with the thermal transfer fluid are made of optional plastic and stainless steel.

If the required cooling capacity is unknown, it can be measured and calculated. To do this, we need to know the water inlet temperature into the unit to be cooled, the water outlet temperature outside the unit to be cooled, and the actual volume flow at full load. With these three values, we can calculate the cooling capacity.

Attention:
The measurement should be carried out under full load.

Products

Precise cooling. Reliable. Economical.

Our refrigeration units stand for reliable, continuous and precisely controllable cooling performance in laboratory and industrial environments. Developed and manufactured in Germany, they are based on over 50 years of experience in refrigeration technology and technical service.

The devices are available as air- or water-cooled systems and cover a wide power range from 300 W to 40 kW, with system separation up to 150 kW. They ensure a constant supply of cooling water in defined quality, temperature and pressure – even in continuous 24/7 operation. Particularly in water-cooled versions, the very low heat dissipation ensures high energy efficiency and stable ambient conditions.

The robust, 2 mm thick epoxy-coated metal housing, high-quality components and powerful high-pressure pumps ensure a long service life and reliable flow. The systems are designed for continuous industrial use and meet the highest requirements for operational safety and reliability.

The chillers operate with low noise and vibration levels; water-cooled versions do not require fans, and water-water variants do not even require compressors. Operation is via a clearly structured control concept with simple ON/OFF/SET logic and an integrated text display for operating, information and error messages. Setpoint ranges are defined for specific applications and can be factory-set to customer specifications. A hinged lid allows easy access to the coolant, while castors ensure flexible positioning and easy manoeuvrability in the laboratory or production environment.

Cooling units from Van der Heijden Labortechnik are completely modular in design and can be individually configured with numerous options – both as individual units and in series production. In addition to the standard versions, we also implement customer-specific special solutions that are precisely tailored to specific process requirements, installation situations or industry-specific standards.

These include extended temperature ranges, special media circuits, increased pressure stages, special material designs, adapted control and interface concepts, and customer-specific dimensions and connections. We advise our customers right from the development phase to ensure optimal integration of the cooling units into existing systems and processes.

Our systems offer an economical, water-saving and environmentally friendly solution with a short payback period, high cooling capacity and a very competitive price-performance ratio – while at the same time offering a high degree of flexibility for future adaptations or expansions.

On the following pages, you will find the different models and designs of our standard laboratory chillers – precisely tailored to your specific application. All devices can be modified depending on the application or designed as individual special solutions.

Products| Chillers

Air-cooled devices

Type	Article-	Cooling capacity (W) @			Pump max.		Tank[2]	Quick coupling (S)	Voltage	Dimensions[1]	Casters	Refrigerant	Weight[3]	Size
	No.	20 °C	10°C**	0°C**	bar	l/m	L	Ball valve (K)	Hz/ Phase	WxDxH mm	mm	(CFC-free)	Kg	
COOL-CARE®	1-100138	180	140	95	0.15	10	1.6 [2]	6/9/13 mm S*	230V/50Hz	290 x 450 x 270 [1]	-	R290	15 [3]	-
COOL-CARE®-16	1-100153	180	140	95	0.4	28	1.6 [2]	6/9/13 mm S*	230V/50Hz	290 x 450 x 270 [1]	-	R290	15 [3]	-
COOL-AIR	6-100000	500 W @ 35° C VT und 25° C UT			3.5	10	5 [2]	6/9/13 mm S*	230V/50Hz	280 x 480 x 560 [1]	-	Water	19 [3]	KM-5
COOL-AIR-30	6-100004	3000 W @ 45° C VT und 25° C UT			3.5	10	5 [2]	6/9/13 mm S*	230V/50Hz	430 x 470 x 695 [1]	-	Water	22 [3]	0
MINORE® 0-A-RB400	1-100856	300	210	180	0.4	28	5 [2]	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 [1]	70	R290	31 [3]	00
MINORE® II-A-RB400	1-100858	500	400	270	0.4	28	5 [2]	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 [1]	70	R290	38 [3]	00
0001-A-RB400	1-100860	600	450	300	3.5	10	5 [2]	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 [1]	70	R290	52 [3]	00
0004-A-RB400	1-100862	800	620	400	3.5	10	5 [2]	6/9/13 mm S*	230V/50Hz	430 x 470 x 695 [1]	70	R290	54 [3]	0
002-A-RB400	1-100864	1000	800	500	3.5	10	5 [2]	6/9/13 mm S*	230V/50Hz	430 x 470 x 695 [1]	70	R290	55 [3]	0
101-A-RB400	-	1500	1100	750	3.5	10	15 [2]	6/9/13 mm S*	230V/50Hz	470 x 560 x 690 [1]	70	R290	72 [3]	04
121-A-RB400	-	2100	1500	1150	3.5	10	15 [2]	6/9/13 mm S*	230V/50Hz	530 x 580 x 750 [1]	70	R290	81 [3]	06
132-A-RB400	-	2400	1750	1200	3.5	10	15 [2]	6/9/13 mm S*	230V/50Hz	530 x 580 x 750 [1]	70	R290	82 [3]	06
142-A-RB400	-	2900	2000	1300	4.5	27	25 [2]	1/2"" K	230V/50Hz	580 x 660 x 820 [1]	70	R290	95 [3]	08
210-A-B400	-	3200	2400	1600	4.5	27	100 [2]	1/2"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R290	175 [3]	2
221-A-B400	-	3900	3200	2100	4.5	27	100 [2]	1/2"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R290	181 [3]	2
311-A-B400	-	4300	3400	2200	4.5	27	100 [2]	1/2"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R290	183 [3]	2
312-A-B400	-	5000	4300	3100	5.5	66	100 [2]	3/4"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R290	189 [3]	2
322-A-B400	-	6000	4800	3300	5.5	66	100 [2]	3/4"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R290	199 [3]	2
423-A-B400	-	7000	5200	3600	5.5	66	200 [2]	3/4"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R290	223 [3]	3
433-A-B400	-	8300	6500	4900	5.5	66	200 [2]	1"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R290	252 [3]	3
442-A-B400	-	9500	8000	5200	5.5	66	200 [2]	1"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R290	264 [3]	3
512-A-B400	-	10000	8300	5500	5.5	66	200 [2]	1"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R290	267 [3]	3
531-A-B400	-	12500	10800	8000	5.5	66	200 [2]	1"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R290	270 [3]	3
543-A-B400	-	16000	13200	9800	5.6	100	225 [2]	1 1/4"" K	400V/50Hz/3Ph	980 x 820 x 1770 [1]	125	R290	337 [3]	4
549-A-B400	-	20000	16500	11600	5.6	100	250 [2]	1 1/4"" K	400V/50Hz/3Ph	1400 x 1000 x 1800 [1]	125	R290	420 [3]	5
615-A-B400	-	23800	19000	14000	5.6	100	250 [2]	1 1/4"" K	400V/50Hz/3Ph	1400 x 1000 x 1800 [1]	125	R290	425 [3]	5
627-A-B400	-	32000	25000	18000	5.6	100	250 [2]	1 1/4"" K	400V/50Hz/3Ph	1400 x 1000 x 1800 [1]	125	R290	450 [3]	5
634-A-B400	-	38500	31000	23000	5.6	100	250 [2]	1 1/4"" K	400V/50Hz/3Ph	1400 x 1000 x 1800 [1]	125	R290	476 [3]	5

* according to customer requirements ** Available for VDH series refrigerated vehicles

Specifications are subject to change without prior notice.

[1] Preliminary dimensions
[2] Approximate value - capacity may vary depending on configuration
[3] Approximate value - Weight may vary depending on configuration

Products | Chillers

Air-cooled devices

Type	Article	Cooling capacity (W) @			Pump max.		Tank[2]	Quick coupling (S)	Voltage	Dimensions[1]	Casters	Refrigerant	Weight[3]	Size
	No.	20 °C	10°C**	0°C**	bar	l/m	L	Ball valve (K)	Hz/ Phase	WxDxH mm	mm	(CFC-free)	Kg	
COOL-CARE®	1-100138	180	140	95	0.15	10	1.6 [2]	6/9/13 mm S*	230V/50Hz	290 x 450 x 270 [1]	-	R134a	15 [3]	-
COOL-CARE®-16	1-100153	180	140	95	0.4	28	1.6 [2]	6/9/13 mm S*	230V/50Hz	290 x 450 x 270 [1]	-	R134a	15 [3]	-
COOL-AIR	6-100000	500 W @ 35° C VT und 25° C UT			3.5	10	5 [2]	6/9/13 mm S*	230V/50Hz	280 x 480 x 560 [1]	-	Water	19 [3]	KM-5
COOL-AIR-30	6-100004	3000 W @ 45° C VT und 25° C UT			3.5	10	5 [2]	6/9/13 mm S*	230V/50Hz	430 x 470 x 695 [1]	-	Water	22 [3]	0
MINORE® 0-A-RB400	1-100856	300	210	180	0.4	28	5 [2]	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 [1]	70	R290	31 [3]	00
MINORE® II-A-RB400	1-100858	500	400	270	0.4	28	5 [2]	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 [1]	70	R290	38 [3]	00
0001-A-RB400	1-100860	600	450	300	3.5	10	5 [2]	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 [1]	70	R290	52 [3]	00
0004-A-RB400	1-100862	800	620	400	3.5	10	5 [2]	6/9/13 mm S*	230V/50Hz	430 x 470 x 695 [1]	70	R290	54 [3]	0
002-A-RB400	1-100864	1000	800	500	3.5	10	5 [2]	6/9/13 mm S*	230V/50Hz	430 x 470 x 695 [1]	70	R290	55 [3]	0
101-A-RB400	1-100012	1500	1100	750	3.5	10	15 [2]	6/9/13 mm S*	230V/50Hz	470 x 560 x 690 [1]	70	R134a	72 [3]	04
121-A-RB400	1-100014	2100	1500	1150	3.5	10	15 [2]	6/9/13 mm S*	230V/50Hz	530 x 580 x 750 [1]	70	R134a	81 [3]	06
132-A-RB400	1-100015	2400	1750	1200	3.5	10	15 [2]	6/9/13 mm S*	230V/50Hz	530 x 580 x 750 [1]	70	R134a	82 [3]	06
142-A-RB400	1-100309	2900	2000	1300	4.5	27	25 [2]	1/2"" K	230V/50Hz	580 x 660 x 820 [1]	70	R134a	95 [3]	08
210-A-B400	1-100403	3200	2400	1600	4.5	27	100 [2]	1/2"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R134a	175 [3]	2
221-A-B400	1-100462	3900	3200	2100	4.5	27	100 [2]	1/2"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R134a	181 [3]	2
311-A-B400	1-100228	4300	3400	2200	4.5	27	100 [2]	1/2"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R134a	183 [3]	2
312-A-B400	1-100021	5000	4300	3100	5.5	66	100 [2]	3/4"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R134a	189 [3]	2
322-A-B400	1-100023	6000	4800	3300	5.5	66	100 [2]	3/4"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R449A	199 [3]	2
423-A-B400	1-100024	7000	5200	3600	5.5	66	200 [2]	3/4"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R134a	223 [3]	3
433-A-B400	1-100026	8300	6500	4900	5.5	66	200 [2]	1"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R134a	252 [3]	3
442-A-B400	1-100379	9500	8000	5200	5.5	66	200 [2]	1"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R134a	264 [3]	3
512-A-B400	1-100405	10000	8300	5500	5.5	66	200 [2]	1"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R134a	267 [3]	3
531-A-B400	1-100433	12500	10800	8000	5.5	66	200 [2]	1"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R449A	270 [3]	3
543-A-B400	1-100032	16000	13200	9800	5.6	100	225 [2]	1 1/4"" K	400V/50Hz/3Ph	980 x 820 x 1770 [1]	125	R449A	337 [3]	4
549-A-B400	1-100439	20000	16500	11600	5.6	100	250 [2]	1 1/4"" K	400V/50Hz/3Ph	1400 x 1000 x 1800 [1]	125	R449A	420 [3]	5
615-A-B400	1-100035	23800	19000	14000	5.6	100	250 [2]	1 1/4"" K	400V/50Hz/3Ph	1400 x 1000 x 1800 [1]	125	R449A	425 [3]	5
627-A-B400	1-100037	32000	25000	18000	5.6	100	250 [2]	1 1/4"" K	400V/50Hz/3Ph	1400 x 1000 x 1800 [1]	125	R449A	450 [3]	5
634-A-B400	1-100288	38500	31000	23000	5.6	100	250 [2]	1 1/4"" K	400V/50Hz/3Ph	1400 x 1000 x 1800 [1]	125	R449A	476 [3]	5

* according to customer requirements ** Available for VDH series refrigerated vehicles

Specifications are subject to change without prior notice.

[1] Preliminary dimensions
[2] Approximate value - capacity may vary depending on configuration
[3] Approximate value - Weight may vary depending on configuration

Water-cooled devices

Type	Article-No.	Cooling capacity (W) @ 20 °C	10°C**	0°C**	Pump max. bar	l/m	Tank² L	Quick coupling (S) Ball valve (K)	Voltage Hz/ Phase	Dimensions¹ WxDxH mm	Casters mm	Refrigerant (CFC-free)	Weight³ Kg	Size
MINORE® 0-W-RB400	2-100271	300	210	180	0.4	28	5 ²	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 ¹	70	R290	31 ³	00
MINORE® II-W-RB400	2-100273	500	400	270	0.4	28	5 ²	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 ¹	70	R290	38 ³	00
0004-W-RB400-MT	2-100000		300 W @-15°C		3.5	10	3.5 ²	3/8"" K	230V/50Hz	279 x 540 x 557 ¹	70	R290	50 ³	MT+
0001-W-RB400	2-100275	600	450	300	3.5	10	5 ²	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 ¹	70	R290	52 ³	00
0004-W-RB400	2-100277	800	620	400	3.5	10	5 ²	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 ¹	70	R290	54 ³	00
002-W-RB400	2-100279	1000	800	500	3.5	10	5 ²	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 ¹	70	R290	55 ³	00
101-W-RB400	-	1500	1100	750	3.5	10	15 ²	6/9/13 mm S*	230V/50Hz	470 x 560 x 690 ¹	70	R290	72 ³	04
121-W-RB400	-	2100	1500	1150	3.5	10	15 ²	6/9/13 mm S*	230V/50Hz	470 x 560 x 690 ¹	70	R290	81 ³	04
132-W-RB400	-	2400	1750	1200	3.5	10	15 ²	6/9/13 mm S*	230V/50Hz	470 x 560 x 690 ¹	70	R290	82 ³	04
142-W-RB400	-	2900	2000	1300	4.5	27	25 ²	1/2"" K	230V/50Hz	580 x 660 x 820 ¹	70	R290	95 ³	08
210-W-B400	-	3200	2400	1600	4.5	27	50 ²	1/2"" K	400V/50Hz/3Ph	590 x 620 x 1205 ¹	125	R290	175 ³	1
221-W-B400	-	3900	3200	2100	4.5	27	50 ²	1/2"" K	400V/50Hz/3Ph	590 x 620 x 1205 ¹	125	R290	181 ³	1
311-W-B400	-	4300	3400	2200	4.5	27	50 ²	1/2"" K	400V/50Hz/3Ph	590 x 620 x 1205 ¹	125	R290	183 ³	1
312-W-B400	-	5000	4300	3100	5.5	66	100 ²	3/4"" K	400V/50Hz/3Ph	680 x 730 x 1520 ¹	125	R290	189 ³	2
322-W-B400	-	6000	4800	3300	5.5	66	100 ²	3/4"" K	400V/50Hz/3Ph	680 x 730 x 1520 ¹	125	R290	199 ³	2
423-W-B400	-	7000	5200	3600	5.5	66	200 ²	3/4"" K	400V/50Hz/3Ph	680 x 730 x 1520 ¹	125	R290	223 ³	2
433-W-B400	-	8300	6500	4900	5.5	66	200 ²	1"" K	400V/50Hz/3Ph	680 x 730 x 1520 ¹	125	R290	252 ³	2
442-W-B400	-	9500	8000	5200	5.5	66	200 ²	1"" K	400V/50Hz/3Ph	680 x 730 x 1520 ¹	125	R290	264 ³	2
512-W-B400	-	10000	8300	5500	5.5	66	200 ²	1"" K	400V/50Hz/3Ph	680 x 730 x 1520 ¹	125	R290	267 ³	2
531-W-B400	-	12500	10800	8000	5.5	66	200 ²	1"" K	400V/50Hz/3Ph	800 x 850 x 1665 ¹	125	R290	270 ³	3
543-W-B400	-	16000	13200	9800	5.6	100	225 ²	1 1/4"" K	400V/50Hz/3Ph	800 x 850 x 1665 ¹	125	R290	337 ³	3
549-W-B400	-	20000	16500	11600	5.6	100	250 ²	1 1/4"" K	400V/50Hz/3Ph	800 x 850 x 1665 ¹	125	R290	420 ³	3
615-W-B400	-	23800	19000	14000	5.6	100	250 ²	1 1/4"" K	400V/50Hz/3Ph	800 x 850 x 1665 ¹	125	R290	425 ³	3
627-W-B400	-	32000	25000	18000	5.6	100	250 ²	1 1/4"" K	400V/50Hz/3Ph	800 x 850 x 1665 ¹	125	R290	450 ³	3
634-W-B400	-	38500	31000	23000	5.6	100	250 ²	1 1/4"" K	400V/50Hz/3Ph	800 x 850 x 1665 ¹	125	R290	476	3

* according to customer requirements

** Available for VDH series refrigerated vehicles

Specifications are subject to change without prior notice.

¹ Preliminary dimensions
² Approximate value - capacity may vary depending on configuration
³ Approximate value - Weight may vary depending on configuration

Water-cooled devices

Type	Article-No.	Cooling capacity (W) @ 20 °C	10°C**	0°C**	Pump max. bar	l/m	Tank[2] L	Quick coupling (S) Ball valve (K)	Voltage Hz/ Phase	Dimensions[1] WxDxH mm	Casters mm	Refrigerant (CFC-free)	Weight[3] Kg	Size
MINORE® 0-W-RB400	2-100271	300	210	180	0.4	28	5 [2]	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 [1]	70	R290	31 [3]	00
MINORE® II-W-RB400	2-100273	500	400	270	0.4	28	5 [2]	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 [1]	70	R290	38 [3]	00
0004-W-RB400-MT	2-100000		300 W @-15°C		3.5	10	3.5 [2]	3/8"" K	230V/50Hz	279 x 540 x 557 [1]	70	R290	50 [3]	MT+
0001-W-RB400	2-100275	600	450	300	3.5	10	5 [2]	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 [1]	70	R290	52 [3]	00
0004-W-RB400	2-100277	800	620	400	3.5	10	5 [2]	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 [1]	70	R290	54 [3]	00
002-W-RB400	2-100279	1000	800	500	3.5	10	5 [2]	6/9/13 mm S*	230V/50Hz	360 x 470 x 590 [1]	70	R290	55 [3]	00
101-W-RB400	2-100281	1500	1100	750	3.5	10	15 [2]	6/9/13 mm S*	230V/50Hz	470 x 560 x 690 [1]	70	R134a	72 [3]	04
121-W-RB400	2-100283	2100	1500	1150	3.5	10	15 [2]	6/9/13 mm S*	230V/50Hz	470 x 560 x 690 [1]	70	R134a	81 [3]	04
132-W-RB400	2-100284	2400	1750	1200	3.5	10	15 [2]	6/9/13 mm S*	230V/50Hz	470 x 560 x 690 [1]	70	R134a	82 [3]	04
142-W-RB400	2-100285	2900	2000	1300	4.5	27	25 [2]	1/2"" K	230V/50Hz	580 x 660 x 820 [1]	70	R134a	95 [3]	08
210-W-B400	2-100286	3200	2400	1600	4.5	27	50 [2]	1/2"" K	400V/50Hz/3Ph	590 x 620 x 1205 [1]	125	R134a	175 [3]	1
221-W-B400	2-100287	3900	3200	2100	4.5	27	50 [2]	1/2"" K	400V/50Hz/3Ph	590 x 620 x 1205 [1]	125	R134a	181 [3]	1
311-W-B400	2-100288	4300	3400	2200	4.5	27	50 [2]	1/2"" K	400V/50Hz/3Ph	590 x 620 x 1205 [1]	125	R134a	183 [3]	1
312-W-B400	2-100289	5000	4300	3100	5.5	66	100 [2]	3/4"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R134a	189 [3]	2
322-W-B400	2-100291	6000	4800	3300	5.5	66	100 [2]	3/4"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R449A	199 [3]	2
423-W-B400	2-100292	7000	5200	3600	5.5	66	200 [2]	3/4"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R134A	223 [3]	2
433-W-B400	2-100294	8300	6500	4900	5.5	66	200 [2]	1"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R134A	252 [3]	2
442-W-B400	2-100295	9500	8000	5200	5.5	66	200 [2]	1"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R134A	264 [3]	2
512-W-B400	2-100296	10000	8300	5500	5.5	66	200 [2]	1"" K	400V/50Hz/3Ph	680 x 730 x 1520 [1]	125	R134A	267 [3]	2
531-W-B400	2-100298	12500	10800	8000	5.5	66	200 [2]	1"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R449A	270 [3]	3
543-W-B400	2-100300	16000	13200	9800	5.6	100	225 [2]	1 1/4"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R449A	337 [3]	3
549-W-B400	2-100302	20000	16500	11600	5.6	100	250 [2]	1 1/4"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R449A	420 [3]	3
615-W-B400	2-100303	23800	19000	14000	5.6	100	250 [2]	1 1/4"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R449A	425 [3]	3
627-W-B400	2-100305	32000	25000	18000	5.6	100	250 [2]	1 1/4"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R449A	450 [3]	3
634-W-B400	2-100306	38500	31000	23000	5.6	100	250 [2]	1 1/4"" K	400V/50Hz/3Ph	800 x 850 x 1665 [1]	125	R449A	476 [3]	3

* according to customer requirements

** Available for VDH series refrigerated vehicles

Specifications are subject to change without prior notice.

[1] Preliminary dimensions
[2] Approximate value - capacity may vary depending on configuration
[3] Approximate value - Weight may vary depending on configuration

COOL-CARE® *(AIR-COOLED)*

Compact & economical laboratory chiller

The COOL-CARE® is a closed-loop circulating chiller for temperature control of laboratory equipment with low to medium cooling capacity requirements. The device is designed for continuous operation and ensures stable, reproducible cooling performance. The closed cooling circuit allows operation without tap water and reduces resource consumption to a minimum. The COOL-CARE® is particularly suitable for applications with defined temperature and flow requirements.

The cooling system consists of an integrated refrigeration unit and a chemical-resistant plastic tank with a volume of 1.6 liters. The heat transfer medium is fed to the external application via an integrated circulation pump with adjustable flow rate and delivery pressure. The cooling medium is filled via a closable opening on the top of the device. All operating parameters are designed for safe and low-maintenance continuous operation.

The COOL-CARE® is available in different versions, including with increased pump capacity and an extended temperature range down to near 0 °C. Optionally, improved temperature stability of up to ± 0.2 K can be achieved. The compact design allows space-saving integration into existing laboratory setups. Quiet operation supports use in sensitive laboratory environments.

COOL-CARE® is suitable for numerous laboratory applications, such as:

- Cooling of HPLC systems,
- Electrophoresis,
- Rotary evaporators,
- Distillation equipment,
- Soxhlet extractions,
- Water baths or
- Small applications with low cooling requirements.

Features & Benefits

- **Economical & environmentally friendly:**
  100% without tap water consumption – saving resources and costs.
- **High flexibility:**
  The temperature, pressure, and flow rate of the cooling water can be individually controlled.
- **Compact design:**
  Minimal space requirements with a 1.6-liter tank – ideal for any laboratory bench.
- **Quiet & user-friendly:**
  The device is characterized by very quiet operation and easy handling.
- **Optional additional functions:**
  On request, COOL-CARE® is available with a more powerful pump, extended temperature range (e.g., down to 0 °C), and increased temperature stability (± 0.2 °C)—perfect for demanding applications.

Technical specifications	COOL-CARE®	COOL-CARE®-16
Cooling capacity	180 W @ 20° C	180 W @ 20° C
Ambient temperature	Approved up to +28°C	Approved up to +28°C
Max. pump capacity	10 l/min.	24 l/min.
Delivery pressure max.	0,15 bar	0,4 bar
Connections	3/8" quick couplings, rear	3/8" quick couplings, rear
Tank capacity	1,6 liter	1,6 liter
Dimensions W x D x H	290 x 450 x 270 mm	290 x 450 x 270 mm
Power supply	230 V / 50 Hz / 1 PH / N / PE	230 V / 50 Hz / 1 PH / N / PE
Power consumption	140 W max.	160 W max.
Weight	15 kg	15 kg
Refrigerant	R290 / R134A	R290 / R134A
Upper housing	Pure white	Pure white
Lower housing	Pure white	Pure white

COOL-AIR *(AIR-COOLED)*

Environmentally friendly and economical air cooling

The COOL-AIR is a compact, air-cooled recirculating chiller designed for economical, resource-saving cooling tasks in laboratories and industry. Thanks to direct air-to-air heat exchange via an integrated fan and heat exchanger, the device operates without tap water, eliminating tap water costs and virtually eliminating fresh water consumption. Air cooling allows for easy installation on lab benches or work surfaces without additional infrastructure or water circuits.

Despite their compact design, COOL-AIR models offer a wide range of performance and applications: From small 500-watt recirculating chillers to versions with up to 3 kW of cooling capacity and larger models with up to approximately 100 kW. The system is designed for classic distillation and AAS applications as well as for cooling electronic components or small thermal applications.

The COOL-AIR ensures adjustable cooling water temperature, stable flow, and consistent water quality without limescale or algae formation. Thanks to its integrated, compact tank, the recirculating chiller is particularly space-saving and can be operated almost silently in the working environment. The chiller is optionally available with increased temperature stability to reliably meet even more demanding temperature requirements.

As with other cooling devices, COOL-AIR can also be customized to meet specific customer requirements. Depending on the application, devices can be individually adapted—for example, with special interfaces, extended temperature ranges, or tailor-made connection and control options. This makes the COOL-AIR not only an efficient standard solution, but also a flexible component for OEM and special requirements.

The COOL-AIR offers an economical alternative to water cooling and combines operational reliability, sustainability, and flexibility in a robust cooling system.

Features & Benefits

- **Air-cooled system without tap water**
  No water costs, easy installation, environmentally friendly operation
- **Compact design with a wide power range**
  Flexible applications from laboratory use to industrial use
- **Stable temperature control**
  Reliable cooling of sensitive processes and components
- **Low noise level**
  Comfortable working conditions directly in the laboratory environment
- **Modular design and optional modifications**
  Adaptable to specific applications and OEM requirements

Technical specifications	COOL-AIR	COOL-AIR-30 , GR. 0
Cooling capacity	500 W @ 35°C water outlet temperature and 25°C ambient temperature	3000 W @ 45°C water outlet temperature and 25°C ambient temperature
Max. pump capacity	10 l/min.	10 l/min.
Delivery pressure max.	3,5 bar	3,5 bar
Connections	Quick couplings with 9 mm hose nozzles	Quick couplings with 9 mm hose nozzles
Tank capacity	5 Liter	5 Liter
Dimensions W x D x H	280 x 480 x 560 mm	430 x 470 x 695 mm
Power supply	230 V / 50 Hz / 1 PH	230 V / 50 Hz / 1 PH
Power consumption	160 W max.	180 W max.
Weight	19 kg	22 kg
Colors	RAL 5002	RAL 5003/RAL 7035

MINITOWER *(WATER-COOLED)*

Quiet, with very low space requirements

The MINITOWER is a water-cooled laboratory chiller with a particularly compact design and low thermal environment requirements – ideal for use in laboratory environments where space limitations and low waste heat are decisive factors. Thanks to it's small dimensions, the MINITOWER can also be integrated into laboratory cabinets or other confined installation spaces without the need for additional room ventilation.

Despite its compact size, the MINITOWER achieves a cooling capacity that can reliably supply up to three workstations with rotary evaporators – an efficient solution for classic laboratory processes such as distillation, Soxhlet extractions, or water baths.

The user interface with capacitive front control allows intuitive and precise adjustment of parameters, while all operating and error messages are clearly displayed on the screen and additionally signaled acoustically. The integrated magnetically coupled feed pump ensures a stable flow rate at a maximum static pressure of up to 3.5 bar.

Thanks to its low-noise operation and compact 3.5-liter tank, the MINITOWER is also suitable for use in areas where low noise levels and stable temperature operation are required. If required, the device is also available as a system separator without a compressor (water-water chiller) with outputs of up to 9 kW.

The water side can be connected to both an in-house water cooling network and the drinking water supply; the MINITOWER only draws the amount of water actually required to provide the cooling capacity – when switched off, consumption is zero.

Front-mounted fill and status indicators facilitate maintenance, and the well-thought-out housing design allows quick access to internal components, which increases serviceability and availability.

Features & Benefits

- **Water-cooled system with low heat dissipation**
  Stable laboratory conditions and high energy efficiency
- **Compact design with high performance**
  Space-saving use even in confined installation areas
- **Magnetically coupled pump with high operating pressure**
  Reliable flow and high process reliability
- **Modular and customizable**
  Flexible adaptation to specific applications and OEM requirements
- **Low-noise and low-vibration operation**
  Pleasant working environment and ideal for laboratories

Technical specifications	MINITOWER 0002-W-RB400 MT
Cooling capacity	300 W @ -15° C
Ambient temperature	approved for use up to +35°C
Max. pump capacity	10 l/min.
Delivery pressure max.	3,5 bar
Connections	3/8“ internal thread
Tank capacity	3,5 liters
Dimensions W x D x H	275 x 405 x 565 mm (including feet)
Power supply	230 V/50 Hz
Power consumption	0,69 kW max.
Weight	30 kg
Refrigerant	R449A
Colors	RAL 5003 (blue) / RAL 9002 (grey-white)

MINITOWER***PLUS*** *(WATER-COOLED)*

The next generation of cooling

The MINITOWER***PLUS*** sets new standards in compact laboratory cooling: As a water-cooled recirculating chiller, it combines high performance with minimal space requirements and is particularly suitable for laboratory environments with limited installation space or cabinet installation. Due to the low heat dissipation to the environment, no additional ventilation of the installation site is required, making the MINITOWER***PLUS*** an efficient solution for distillation, rotary evaporation, Soxhlet extractions, or water baths—while maintaining stable process conditions.

Operation is convenient via a capacitive front display. Temperature, flow, and pressure can be set precisely, while all operating and system messages are displayed both visually and acoustically. A powerful, magnetically coupled feed pump delivers constant flow at static pressures up to 3.5 bar, ensuring reliable process integration. The coolant tank, which is accessible from the front, allows for convenient filling and monitoring of the fill level – even when installed.

Thanks to its water- and air-cooled design, the MINITOWER***PLUS*** consumes only the cooling water flow rate that is actually required; when switched off, water consumption is zero. Operation is virtually silent and fully automatic, maintenance-free, and reliable. Removable side panels allow easy access for service and maintenance. The system is also available as a system separator without a compressor (water-water chiller) and can achieve outputs of up to 9 kW with the same dimensions. The system is also available as a system separator without a compressor (water-water chiller) and can achieve outputs of up to 9 kW with the same dimensions.

The MINITOWER***PLUS*** is a powerful, water-cooled laboratory chiller for precise and stable temperature control with minimal space requirements. It combines high cooling capacity, quiet operation, and efficient water use in a robust, service-friendly system for demanding laboratory use.

eco FRIENDLY

Features & Benefits

- **Compact water-cooled design –**
  ideal for confined installation locations
- **Precise control of temperature,** pressure, and flow
- Virtually silent, low-maintenance **continuous operation**
- Magnetically coupled pump with **high static pressure**
- **Front control panel** with O-LED display and audible alarm
- **Efficient water usage**
  – no consumption when not in use
- **Modular design,** can be modified for specific applications on request

Technical specifications	MINITOWER***PLUS*** 0004-W-RB400-MT
Cooling capacity @ -15 °C	300 watts
Cooling capacity @ 0 °C	650 watts
Temperaturbereich	-15 °C up to +20 °C
Max. pump capacity	10 l/min.
Delivery pressure max.	3,5 bar
Connections	3/8“ internal thread
Tank capacity	3,5 liters
Dimensions W x D x H	279 x 540 x 557 mm
Power supply	230 V/50 Hz/1 PH
Power consumption	690 watts, max.
Weight	50 kg
Refrigerant	R290

MINORE®

Compact & economical

The MINORE® is an extremely compact and economical recirculating chiller with a temperature range of 16–22 °C, which has been specially developed for a wide range of laboratory cooling tasks. With cooling capacities of 300 W, 350 W, and 500 W, it delivers a stable and controllable cooling water temperature via a digital O-LED display with high temperature stability (±0.1 K). The integrated refrigeration unit operates efficiently and, together with a microprocessor-controlled counterheater, ensures consistent process conditions, even for sensitive applications such as rotary evaporators, Soxhlet extractions, water baths, or distillation devices.

Thanks to its very small footprint, the MINORE® can be easily positioned on laboratory benches and also integrates into heavily used working environments. The recirculating chiller has an easily accessible filling opening under the hinged lid on the top and reliably transports the cooled medium to the application to be cooled via a circulation pump with a pump pressure of up to 3.5 bar. The mobile design on casters supports flexible use at different workstations.

The MINORE® operates almost silently, saves 100% tap water, and delivers consistent water quality without limescale or algae formation. The adjustable cooling water temperature and consistent water pressure contribute to a safe and reproducible cooling process. The device is equipped with quick couplings and is suitable for universal laboratory use.

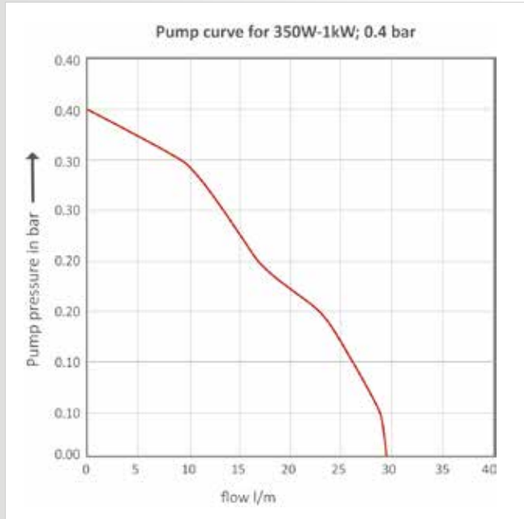
As with all cooling devices, the MINORE® can also be customized with special equipment. Optionally, devices can be customized for specific applications—e.g., with special interfaces or extended temperature controls—to meet special process requirements or OEM specifications. With it's combination of compact design, reliable temperature control, and economical operation, the MINORE® is an ideal cooling base for many laboratory processes.

Features & Benefits

- Compact recirculating chiller for 16–22 °C – space-saving on the lab bench
- Digital temperature control with high stability ±0.1 K
- 100% tap water savings – no water costs
- Stable flow at constant pressure
- Virtually silent operation
- Mobile and flexible thanks to casters
- Application-specific modifications, possible with special equipment

Technical specifications	MINORE® II-A-RB400
Cooling capacity	500 W @ 20° C
Max. pump capacity	28 l/min.
Delivery pressure max.	0,4 bar
Connections	Quick couplings with 9 mm hose nozzles
Tank capacity	5 liters
Dimensions W x D x H	360 x 470 x 590 mm
Power supply	230 V / 50 Hz / 1 PH / N / PE
Power consumption	340 watts
Weight	38 kg[2]
Refrigerant	R290
Colors	RAL 5003/RAL 7035

[2] Approximate weight - weight depends on configuration



Pump characteristic curve
according to DIN 12876 with water at 20 °C.

Our MINORE®
in focus:

16 up to 22 °C
Temperature range

500 W @ 20° C
Cooling capacity

Up to 28 l/min.
Pump performance

0,4 bar
Delivery pressure

ENVIRONMENTALLY FRIENDLY! eco FRIENDLY

With natural refrigerant R290.

This device is available in various versions.
Optionally with a 3.5 bar pump.

This device is equipped with a pressure gauge, a bypass, and a quick coupling on the rear.

KÜHLMOBIL (0001-A-RB400 und 004-A-RB400)

Flexible circulating chiller in the compact performance range

The KÜHLMOBIL, with a cooling capacity of 600 watts to 800 watts, is a compact yet powerful recirculating chiller with a temperature range of 16–22 °C, designed for a wide range of classic laboratory processes. The use of a natural refrigerant (R290) makes the device efficient and environmentally friendly, while the cooling unit reliably cools the circulating water or antifreeze mixture and transports it to the unit to be cooled via a circulation pump. The integrated container is easy to fill via the easily accessible hinged lid on the top of the device.

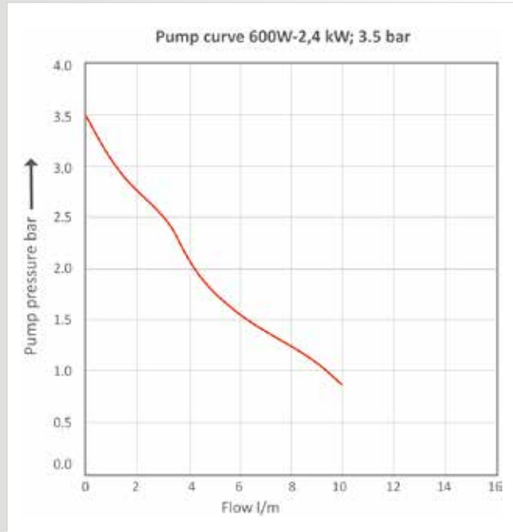
The cooling unit is available in various designs – both with a lower pump capacity (0.4 bar, up to 28 l/min) and with a higher pump pressure (3.5 bar, up to 10 l/min) – and can be air- or water-cooled. This flexibility allows optimal adaptation to different process requirements and installation conditions in the laboratory.

As with all Van der Heijden recirculating chillers, this model is also designed to be mobile on casters and operates quietly and reliably in continuous operation. Temperature control is achieved via a microprocessor-controlled regulation concept that ensures a high degree of consistency in the cooling water temperature. A digital O-LED display and a capacitive control panel are also included as standard features, enabling intuitive operation and precise process monitoring.

On request, the KÜHLMOBIL 600 - 800 Watt can be modified for specific applications – for example, with extended temperature ranges, additional interfaces, or optional accessory packages – making it suitable for individual OEM solutions or special process requirements. With its combination of compact design, high flexibility, and precise temperature control, the KÜHLMOBIL 600 to 800 Watt offers a reliable and economical cooling base for numerous standardized laboratory processes.

Features & Benefits

- Compact design with 600–800 watts of cooling capacity – space-saving on the lab bench
- Versatile use with 0.4 or 3.5 bar pumps – for different flow requirements
- O-LED display & capacitive control panel – precise and intuitive control
- Choice of air or water cooling – flexible integration options
- Virtually silent continuous operation



Pump characteristic curve
according to DIN 12876 with water at 20 °C.

Technical specifications	KÜHLMOBIL 0001-A-RB400
Cooling capacity	600 W @ 20° C
Max. pump capacity	10 l/min.
Delivery pressure max.	3,5 bar
Connections	Quick couplings with 9 mm hose nozzles
Tank capacity	5 liters
Dimensions W x D x H	360 x 470 x 590 mm
Power supply	230 V / 50 Hz / 1 PH
Power consumption	500 watts max.
Weight	52 kg
Refrigerant	R290
Farben	RAL 5003/RAL 7035

Back cover, standard version

ENVIRONMENTALLY FRIENDLY! eco FRIEND LY

With natural refrigerant R290.

Upon request, we can modify your devices for specific applications.

Examples of use

- Rotary evaporators
- Soxhlet extractions
- Electron microscopes
- AAS
- ICP
- Extraction devices
- Distillation setups
- Cooling of analytical devices
- Cooling of water baths and thermostats

Technical specifications	KÜHLMOBIL 0004-A-RB400
Cooling capacity	800 W @ 20° C
Max. pump capacity	10 l/min.
Delivery pressure max.*	3,5 bar
Connections	Quick couplings with 9 mm hose nozzles
Tank capacity	5 liters
Dimensions W x D x H	430 x 470 x 695 mm
Power supply	230 V / 50 Hz / 1 PH
Power consumption	630 watts max.
Weight	54 kg
Refrigerant	R290
Farben	RAL 5003/RAL 7035

KÜHLMOBIL (002-A-RB400)

Compact and mobile in the mid-range performance segment

The KÜHLMOBIL 1 - 1.9 kW is a mobile recirculating chiller with a temperature range of 16–22 °C, designed for demanding cooling tasks in laboratory and industrial environments.

With a wide power range from 1 kW to 1.9 kW, it meets the requirements of larger water circuits, instruments, and process applications by maintaining a constant temperature with stable flow control. The robust units are available in air- or water-cooled versions and guarantee high efficiency even during intensive use.

The unit has a large internal cooling water tank to extend running times and reduce frequent switching cycles. The microprocessor-controlled proportional control ensures high temperature stability of the cooling water flow temperature, which is particularly important for reproducible processes. All models are mobile on casters and feature a capacitive control panel with O-LED display for intuitive control of temperature, pressure, and flow.

Features & Benefits

- Wide cooling capacity range 12–29 kW – for medium to demanding applications
- Microprocessor-controlled proportional control – high temperature stability
- Mobile and robust – easy integration into existing processes – precise and intuitive control
- Choice of air- or water-cooled design – flexible application options
- Large internal tank capacity – extended running times
- Intuitive operation with O-LED display and alarm functions

Upon request, we can modify your devices for specific applications.

Technical specifications	KÜHLMOBIL 002-A-RB400
Cooling capacity	1000 W @ 20° C
Max. pump capacity	10 l/min.
Delivery pressure max.	3,5 bar
Connections	Quick couplings with 9 mm hose nozzles
Tank capacity	5 liters
Dimensions W x D x H	430 x 470 x 695 mm
Power supply	230 V / 50 Hz / 1 PH
Power consumption	650 watts max.
Weight	55 kg
Refrigerant	R290
Colors	RAL 5003/RAL 7035

KÜHLMOBIL (101-A-RB400)

Supplying multiple consumers in continuous operation

With integrated acoustic and optical alarm functions, the KÜHLMOBIL with a capacity of 12–29 kW offers high operational reliability and is designed for ambient temperatures up to 32 °C. Additional options and accessories such as increased pump pressures or extended interfaces can be integrated according to customer specifications. In addition, the units can be modified for specific applications on request – for example, for special process requirements or OEM specifications. With it's combination of high cooling capacity, precise control, and modular adaptability, the KÜHLMOBIL with a capacity of 12–29 kW is an economical and reliable solution for demanding laboratory and industrial cooling tasks.

Rear side with interface for potential-free contact

Examples of use

- Cooling of larger laboratory systems e.g., multiple rotary evaporators, distillation lines, or parallel processes
- Reliable process cooling for scale-up trials and continuous operation
- Reactor cooling
- Removal of reaction heat in chemical or physical processes
- Cooling of industrial measuring and analysis devices, e.g., test systems, power electronics, or thermally stressed systems
- Central cooling supply
- Temporary or permanent supply of multiple consumers via a common cooling circuit
- Mobile cooling in production and maintenance
- Flexible use at changing locations or during maintenance and conversion phases

Technical specifications	KÜHLMOBIL 101-A-RB400
Cooling capacity	1500 W @ 20° C
Max. pump capacity	10 l/min.
Delivery pressure max.	3,5 bar
Connections	Quick couplings with 13 mm hose nozzles
Tank capacity	15 liters
Dimensions W x D x H	470 x 560 x 690 mm
Power supply	230 V / 50 Hz / 1 PH
Power consumption	850 watts max.
Weight	72 kg
Refrigerant	R290
Colors	RAL 5003/RAL 7035

KÜHLMOBIL (121-A-RB400 UND 132-A-RB400)

Compact and mobile in the mid-range performance segment

Features & Benefits

- 100% tap water savings
- No wastewater costs
- Cooling water temperature, pressure, and flow rate are adjustable
- Consistent water quality,
- No limescale, no algae
- Compact tank with a capacity of 15/25 liters
- Relatively quiet
- Temperature display via O-LED display with capacitive control panel
- Mobile and on wheels
- Acoustic and visual alarm
- Performance data applies at an ambient temperature of 20°C. If the ambient temperature rises, the cooling capacity may decrease.
- Quick couplings with 9 mm hose nozzles
  Higher pump pressures also possible, as well as extensive options and accessories
- Power control with microprocessor-controlled proportional control possible, resulting in high temperature stability of the water flow temperature (0.1 K)
- All device types switch off completely in the event of a fault or malfunction.

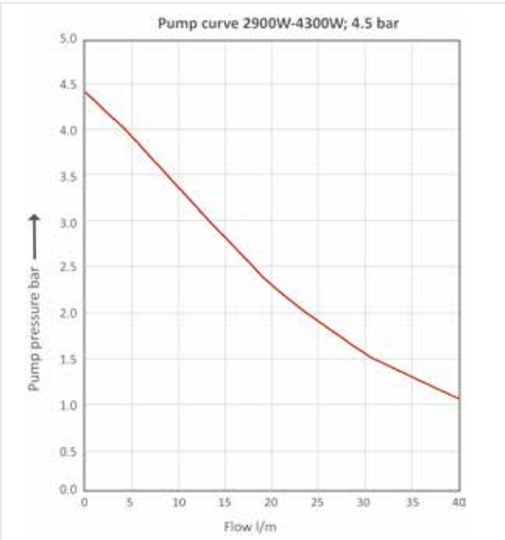
Examples of use

- Rotary evaporators
- Soxhlet extractions
- Electron microscopes
- AAS
- ICP
- Extraction devices
- Distillation setups
- Cooling of analytical devices
- Cooling of water baths and thermostats

Technical specifications	KÜHLMOBIL 121-A-RB400	KÜHLMOBIL 132-A-RB400
Cooling capacity	2100 W @ 20° C	2400 W @ 20° C
Max. pump capacity	10 l/min.	10 l/min.
Delivery pressure max.	3,5 bar	3,5 bar
Connections	Quick couplings with 13 mm hose nozzles	Quick couplings with 13 mm hose nozzles
Tank capacity	15 liters	15 liters
Dimensions W x D x H	530 x 580 x 750 mm	530 x 580 x 750 mm
Power supply	230 V / 50 Hz / 1 PH	230 V / 50 Hz / 1 PH
Power consumption	1100 watts max.	1140 watts max.
Weight	81 kg	82 kg
Refrigerant	R134a / R290	R134a / R290
Colors	RAL 5003/RAL 7035	RAL 5003/RAL 7035

KÜHLMOBIL (142-A-RB400)

Powerful recirculating chiller for everyday laboratory use



Pump characteristic curve
according to DIN 12876 with water at 20 °C

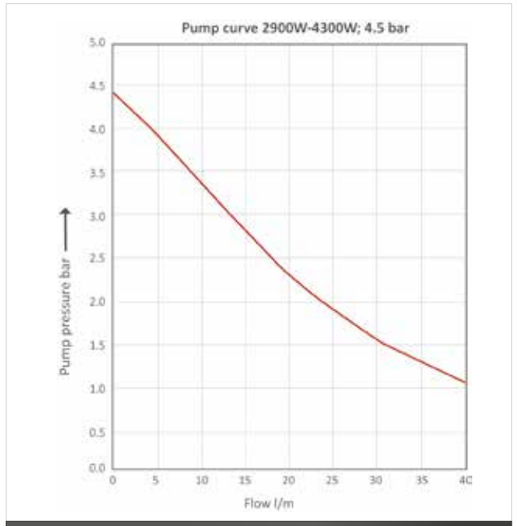
The KÜHLMOBIL with a cooling capacity of 2.9 kW is a mobile recirculating chiller for demanding laboratory cooling tasks in the temperature range of 16–22 °C. The powerful refrigeration unit ensures reliable and continuous cooling performance and guarantees a constant cooling water temperature with stable flow and consistent pressure. The microprocessor-controlled regulation enables precise temperature control even with changing thermal loads and ensures reproducible process conditions. The system is suitable for cooling rotary evaporators, distillation and extraction setups, water baths, and analytical and measuring equipment. The integrated circulation pump reliably transports the cooling medium to the consumer. Operation is via a clearly arranged control panel with a clear display of the operating parameters.

Thanks to it's compact design, mobile construction on casters, and quiet operation, the KÜHLMOBIL with a power output of 2.9 kW can be flexibly integrated into existing laboratory infrastructures. The device is optionally available as an air- or water-cooled version and can be modified for specific applications. The KÜHLMOBIL is available in a compact design with a power output of 2.9 kW.

Technical specifications	KÜHLMOBIL 142-A-RB400
Cooling capacity	2900 W @ 20° C
Max. pump capacity	27 l/min.
Delivery pressure max.	4,5 bar
Connections	ball valves 1/2”
Tank capacity	25 liters
Dimensions W x D x H	580 x 660 x 820 mm
Power supply	230 V / 50 Hz / 1 PH
Power consumption	1,48 kW
Weight	91 kg
Refrigerant	R134a / R290
Colors	RAL 5003/RAL 7035

KÜHLMOBIL (142-A-B400 / SPECIAL SIZE 1)

Flexible circulating chiller in the compact performance range



Pump characteristic curve
according to DIN 12876 with water at 20 °C

The KÜHLMOBIL with a cooling capacity of 3 kW is a powerful system for precise laboratory cooling tasks with a cooling capacity of 3,000 W at 20 °C.

The microprocessor-controlled proportional control ensures a high temperature stability of the water flow temperature of ±0.1 K. The cooling water temperature, flow rate, and pressure are freely adjustable, and the 50-liter tank extends the running times while guaranteeing consistent water quality without limescale or algae formation. All parameters can be easily monitored and adjusted via the O-LED display with capacitive control panel, and acoustic and visual alarms provide information in the event of deviations.

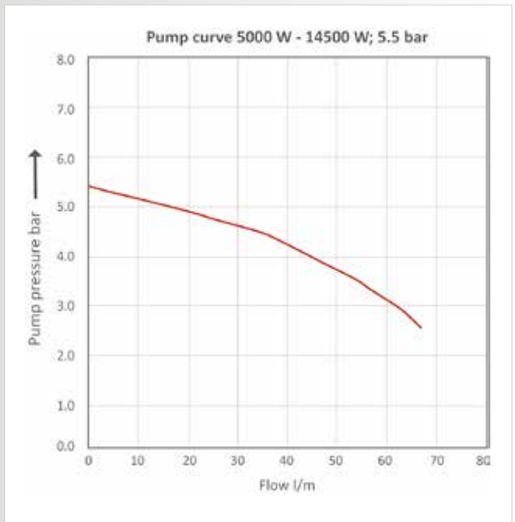
The integrated circulation pump delivers up to 27 l/min at a maximum of 4.5 bar; higher pump pressures are available as an option. The device is mobile on wheels and easy to position.

Examples of applications include large water baths, packaging machines, spray systems, X-ray generators and fluorescence spectrometers, compression molding machines, and the cooling of laboratory instruments or primary cooling systems. The 100% savings in tap water without wastewater costs, stable flow control, and extensive options make the chiller an economical, flexible solution for laboratory and industrial applications.

Technical specifications	KÜHLMOBIL 142-A-B400 / SPECIAL SIZE 1
Cooling capacity	3000 W @ 20° C
Max. pump capacity	27 l / min.
Delivery pressure max.	4,5 bar
Connections	Ball valves 1/2"
Tank capacity	50 liters
Dimensions W x D x H	580 x 620 x 1205 mm
Power supply	230 V / 50 Hz / 1 PH
Power consumption	1,5 kW
Weight	128 kg
Refrigerant	R134a / R290
Colors	RAL 5003/RAL 7035

KÜHLMOBIL (210-A-B400 BIS 512-A-B400)

Powerful process cooling



Pump characteristic curve
according to DIN 12876 with water at 20 °C

The KÜHLMOBIL with a cooling capacity of 5.4 kW is a cooling unit for demanding laboratory and industrial applications in the temperature range 16–22 °C.

The microprocessor-controlled proportional control ensures a high temperature stability of the water flow temperature of ±0.1 K. The cooling water temperature, flow rate, and pressure are freely adjustable, and the 100-liter tank ensures long running times while maintaining consistent water quality—without limescale formation or algae growth. The O-LED display with capacitive control panel enables intuitive control, while audible and visual alarms provide notification in the event of deviations.

The circulation pump delivers up to 66 l/min at a maximum delivery pressure of 5.5 bar; higher pressures are available as an option. Areas of application include large water baths, spraying and packaging systems, X-ray fluorescence spectrometers, X-ray generators, compression molding machines, and the cooling of instruments or as primary cooling.

The cooling unit offers 100% tap water savings without wastewater costs, stable flow control, and a wide range of options. Thanks to its high cooling capacity, precise temperature control, and flexible application options, the 5.4 kW cooling unit is the ideal solution for reliable and efficient process cooling in laboratories and industrial applications.

Technical specifications	KÜHLMOBIL 313-A-B400
Cooling capacity	5400 W @ 20° C
Max. pump capacity	66 l/min.
Delivery pressure max.	5,5 bar
Connections	Ball valves 3/4”
Tank capacity	100 liters
Dimensions W x D x H	680 x 730 x 1520 mm
Power supply	400 V / 50 Hz / 3 PH
Power consumption	3,4 kW
Weight	191 kg
Refrigerant	R134a / R290
Colors	RAL 5003/RAL 7035

KÜHLMOBIL 5 up to 6 kW

in focus:

16 up to 22 °C
Temperature range

Up to 66 l/min.
Pump capacity

5,5 bar
Delivery pressure

Automatic or manual bypass?

The illustration shows a chiller version with manual bypass. An automatic bypass is available as an option, which opens automatically as soon as the cooling water circuit is closed by the connected device. In applications where the waterways are interrupted, for example by solenoid valves, the automatic bypass prevents the refrigeration machine's feed pump from working against closed valves. In this case, the bypass opens and allows the cooling water to circulate internally.

This reliably protects the pump from damage and effectively limits the maximum system pressure. The required opening pressure of the bypass valve is precisely adjusted to the respective application at our production facility. However, thanks to its easy accessibility, the setting can be adjusted at any time. Turning clockwise increases the opening pressure, while turning counterclockwise reduces the opening pressure..

- Cooling capacity 5,400 W @ 20 °C – suitable for demanding cooling tasks
- Microprocessor-controlled proportional control – temperature stability (±0.1 K)
- High pump capacity up to 66 l/min at 5.5 bar – reliable supply to larger circuits
- Adjustable cooling water temperature, pressure, and flow rate – flexible process adaptation
- 100-liter tank volume – extended running times and stable operating conditions
- O-LED display with capacitive control panel – intuitive operation and clear status display
- Acoustic and visual alarm – high operational reliability
- Mobile design on casters – easy to move
- For ambient temperatures up to +32 °C
- Optional higher pump pressures and extensive accessories available

High-performance chiller LCS 80

The powerful choice for high demands

LCS 80

in focus:

-45 up to +15 °C
Temperature range

Up to +50 °C
Ambient temperature

Up to 53 l/min.
Pump capacity

4,7 bar
Delivery pressure

The LCS 80 is a performance-optimized recirculating chiller with an air-cooled refrigeration unit and high-quality circulation pump, designed for demanding industrial and laboratory applications. Thanks to the use of microchannel technology and a powerful high-performance fan motor, the LCS 80 achieves an outstanding cooling capacity of up to 8 kW at a medium flow temperature of –40 °C, enabling efficient dissipation of thermal loads even at low temperatures.

The permissible ambient temperature range of –20 °C to +50 °C makes the LCS 80 suitable for both indoor and outdoor use. It is conveniently operated via a capacitive touch OLED display that clearly shows operating states and parameter settings. A powerful, stainless steel-milled circulation pump ensures stable delivery rates of up to 53 l/min at 4.7 bar and reliably supplies even larger or pressure-intensive circuits with cooled medium.

Thanks to it's plug-and-play design, the LCS 80 can be easily integrated into existing systems. Its robust construction and air cooling eliminate costly water consumption, resulting in ecological and economic benefits. The chiller is suitable for a wide range of applications, such as cooling large extraction systems, bioreactors, distillation equipment, and in research, science, and the pharmaceutical industry.

Application-specific modifications and accessories are available as options to optimally adapt the LCS 80 to operational or process-related requirements – from special interfaces and increased delivery rates to extended control strategies.

Technical specifications	KÜHLMOBIL LCS 80
Cooling capacity	20 kW bei -15°C VT / 16 kW at -25° C VT / 8,5 kW at -40° C VT
Ambient temperature	Approved for use up to +50°C
Max. pump capacity	53 l/min.
Delivery pressure max.	4,7 bar
Connections	1" ball valves with hose connection
Tank capacity	105 liters
Dimensions W x D x H	2015 x 1100 x 2000 mm
Power supply	400 V 3~ 50 Hz
Fuse	60 A
Weight	880 kg
Refrigerant	R449A
Sound pressure level +/- 4 dB(A)	77 dB(A)

CS-Chiller-Series

Cool and smart—combined in one device

CS-Chiller
in focus:

- **-20 up to +85 °C**
  Temperature range
- **Up to 70 kW**
  Cooling capacity
- **Up to 8 kW**
  Heating capacity
- **Up to 4,7 bar**
  Delivery pressure

The CS series comprises powerful cooling and temperature control systems for demanding laboratory and industrial applications with extended temperature requirements. The devices cover a wide operating temperature range from –20 °C to +15 °C. Selected CS-H models also offer a heating function up to +85 °C, making them ideal for combined heating and cooling processes.

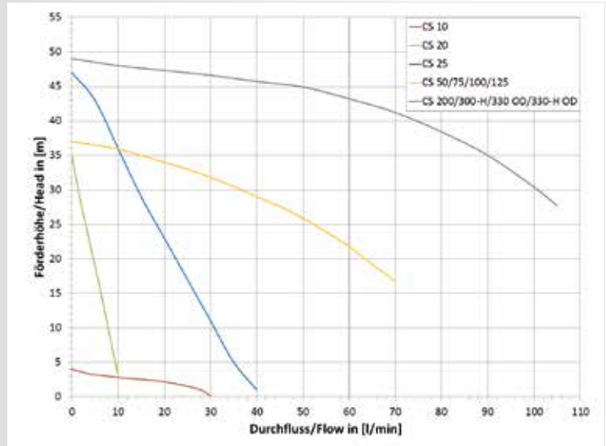
The series offers cooling capacities from 1.2 kW to 70 kW, depending on the model and the flow temperature. Stable cooling capacities are also available at low temperatures down to –20 °C. Powerful circulation pumps with flow rates from 10 to 105 l/min and delivery pressures up to 4.7 bar ensure a reliable supply to complex and pressure-intensive circuits. The connections range from 3/8“ to 1”, tailored to the respective performance range.

The CS-series is designed for continuous industrial operation and runs relatively quietly despite its high performance. Depending on the size, power is supplied via 230 V 1~ or 400 V 3~. Compact dimensions for small models and robust floor-standing units in the high-performance range enable flexible integration into existing systems.

Typical areas of application for the CS-series are reactors, temperature control plates, test benches, extraction systems, machine and tool cooling, and demanding primary and secondary cooling processes. With its combination of a wide temperature range, high cooling capacity, and optional heating function, the CS-series is a versatile and precise solution for thermally demanding applications.

Type	Temperature-range	Pump capacity max. / connections			Cooling capacity (kW) at (°C)					Noise level	Dimensions [1]	Voltage	Refrigerant
	(°C)	(l/min)	(bar)		15	10	0	-10	-20	(db)	W x D x H (mm)		
CS 10	-20...+15	10	3.5	3/8"	1.0	0.8	0.5	0.25	0.15	50	430 x 470 x 695 [1]	230V 1~ 50Hz	R290
CS 20	-20...+15	10	3.5	3/8"	2.2	2.0	1.3	0.9	0.5	67	530 x 580 x 750 [1]	230V 1~ 50Hz	R290
CS 25	-20...+15	40	4.5	1/2"	3.5	2.5	1.6	0.98	0.7	60	580 x 660 x 825 [1]	230V 1~ 50Hz	R290
CS 50	-20...+15	70	3.7	3/4"	8.0	5.0	4.2	3.5	2.0	63	680 x 730 x 1520 [1]	400V 3~ 50Hz	R290
CS 100	-20...+15	70	3.7	3/4"	18	10	9.5	7.5	4.5	70	800 x 850 x 1665 [1]	400V 3~ 50Hz	R290
CS 200	-20...+15	105	4.7	1"	28	20	18	15	9.5	78	1400 x 1000 x 1800 [1]	400V 3~ 50Hz	R290
CS 330 OD	-20...+15	105	4.7	1"	42	35	25	17	11	78	1400 x 1000 x 1800 [1]	400V 3~ 50Hz	R290

[1] Preliminary dimensions.



Pump characteristic curve
according to DIN 12876 with water at 20 °C

Features & Benefits

- **Precise temperature control:** With a temperature range of -20°C to +85°C, our CS-chillers enable precise control of the extraction process, improving the quality and yield of your products.
- **Sustainability:** Air-cooled technology saves valuable water and reduces operating costs without compromising performance.
- **Maintenance-free:** Our devices are designed to operate maintenance-free, saving you time and resources.
- **Adaptability:** We offer various models with cooling capacities of up to 70 kW and can customize them to your specific requirements on request.
- **Quiet operation:** With a noise level of less than 78 dB, our chillers operate at a pleasantly low volume, improving the working environment.

CS Chiller: Your customized cooling solution for the pharmaceutical industry

Botanical extraction processes require continuous and precise temperature control.

In pharmaceutical active ingredient extraction, validated, reproducible, and precisely controlled temperature conditions are a key factor for product quality, process reliability, and regulatory compliance. Botanical extraction processes—especially for temperature-sensitive active ingredients—require continuous temperature control without fluctuations throughout the entire process. The CS-chiller series from Van der Heijden Labortechnik GmbH was developed specifically for these requirements.

When extracting pharmaceutically relevant plant substances, such as medical cannabis, the temperature directly influences the stability of the ingredients, the selectivity of the extraction, and the reproducibility of the results. CS-chillers ensure high-precision, microprocessor-controlled temperature control that minimizes thermal stress and ensures consistent process conditions. This supports compliance with pharmaceutical quality requirements and helps to ensure consistent product purity and active ingredient concentration.

The CS-series devices are designed for continuous operation in regulated environments and combine powerful cooling and circulation technology with a robust, industrial design. The temperature range from –20 °C to +15 °C covers typical pharmaceutical cooling processes, while CS-H models with a heating function up to +85 °C enable flexible temperature control for process steps such as heating, dissolving, or cleaning. The closed cooling circuit supports resource-efficient, validatable operation without an external water supply.

CS-chillers are therefore a reliable solution for pharmaceutical laboratories, pilot plants, and production environments where the highest demands are placed on precision, process control, and compliance. In addition, thanks to their modular design and optional interfaces, CS-chillers can be easily integrated into existing pharmaceutical plant concepts.

VDH-Series

Wide temperature range for a variety of applications

VDH-Series
in focus:

- **0 bis 22 °C**
  Temperature range
- **bis 40 kW**
  Cooling capacity
- **bis 100 l/min.**
  Pump capacity
- **5,6 bar**
  Delivery pressure

The VDH series from Van der Heijden Labortechnik GmbH comprises a wide range of powerful recirculating chillers for laboratory and industrial applications. All models are based on the most popular cooling capacities and cover a cooling capacity range from 350 W to 40 kW. The units are available in air-cooled (A) and water-cooled (W) versions and enable a temperature range from 0 °C to +22 °C.

The cooling water temperature can be precisely controlled, the flow rate and pressure remain constant, and the water quality remains free of limescale and algae. The closed circuit enables 100% tap water savings and makes the systems particularly economical and sustainable.

Models up to 5 kW operate quietly, making them ideal for use directly in the laboratory.

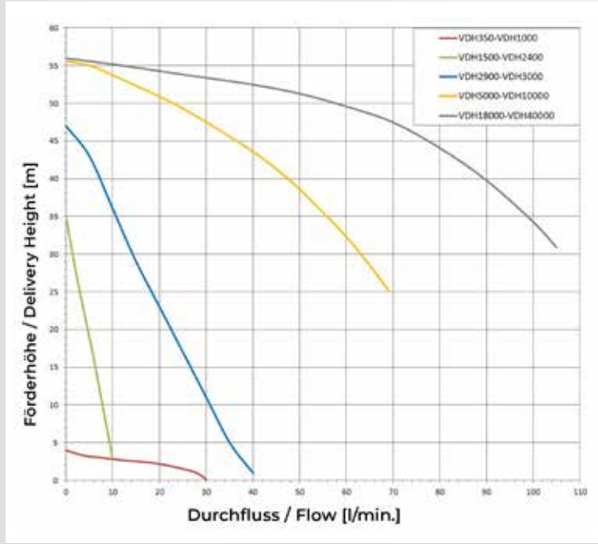
Pump capacities of 10–100 l/min at delivery pressures of up to 5.6 bar ensure a reliable supply to all consumers. Typical applications include rotary evaporators, water baths, instrument cooling, primary cooling and many other laboratory systems.

The modular design and wide range of models offer a flexible, scalable and extremely reliable solution for almost any cooling requirement in research, development and production. All devices are available in an environmentally friendly version with the natural refrigerant R290.

Air-cooled devices	Pump capacity max.		Cooling capacity (watt)			Temperature range	Dimensions	Voltage
	(l/min)	(bar)	20°C	10°C	0°C	(°C)	W x D x H (mm)	
VDH350A	28	0.4	350	250	150	0...+22	360 x 470 x 590 ¹	230V 1~ 50Hz
VDH600A	10	3.5	600	450	300	0...+22	360 x 470 x 590 ¹	230V 1~ 50Hz
VDH1000A	10	3.5	1000	800	500	0...+22	430 x 470 x 695 ¹	230V 1~ 50Hz
VDH1500A	10	3.5	1500	1100	750	0...+22	530 x 580 x 750 ¹	230V 1~ 50Hz
VDH2400A	10	3.5	2400	1750	1200	0...+22	530 x 580 x 750 ¹	230V 1~ 50Hz
VDH2900A	40	4.5	2900	2000	1300	0...+22	580 x 660 x 825 ¹	230V 1~ 50Hz
VDH3000A	40	4.5	3000	2200	1500	0...+22	590 x 620 x 1205 ¹	400V 3~ 50Hz
VDH5000A	66	5.5	5000	4300	3100	0...+22	680 x 730 x 1520 ¹	400V 3~ 50Hz
VDH7000A	66	5.5	7000	5200	3600	0...+22	800 x 850 x 1665 ¹	400V 3~ 50Hz
VDH10000A	66	5.5	10000	8300	5500	0...+22	800 x 850 x 1665 ¹	400V 3~ 50Hz
VDH18000A	100	5.6	18000	15200	11000	0...+22	1400 x 1000 x 1800 ¹	400V 3~ 50Hz
VDH35000A	100	5.6	35000	26000	18000	0...+22	1400 x 1000 x 1800 ¹	400V 3~ 50Hz
VDH40000A	100	5.6	38500	31000	23000	0...+22	1400 x 1000 x 1800 ¹	400V 3~ 50Hz

All units are available with the natural refrigerant R290.

¹ Provisional dimensions.



Pump characteristic curve
according to DIN 12876 with water at 20 °C

Features & benefits

- Wide range of models with cooling capacities from 350 W to 40 kW
- Available as air-cooled (A) and water-cooled (W) versions
- Versatile temperature range from 0 °C to +22 °C
- High temperature stability in the critical working range from +1 °C to +1.5 °C
- Microprocessor-controlled regulation for precise temperature setting
- Cooling water temperature freely adjustable
- Constant flow and stable delivery pressure
- Consistent water quality
- Closed cooling circuit with 100% tap water savings
- No wastewater costs and environmentally friendly operation
- Low-noise operation for models up to 5 kW
- High pump capacities from 10 to 100 l/min
- Delivery pressures up to 5.6 bar for demanding cooling circuits
- Suitable for continuous operation in laboratories and industry
- High reliability and long service life
- Can be modified with optional components

Water-cooled devices	Pump capacity max.		Cooling capacity (watt)			Temperature-range	Dimensions	Voltage
	(l/min)	(bar)	20°C	10°C	0°C	(°C)	W x D x H (mm)	
VDH350W	28	0.4	350	250	150	0...+22	360 x 470 x 590 ¹	230V 1~ 50Hz
VDH600W	10	3.5	600	450	300	0...+22	360 x 470 x 590 ¹	230V 1~ 50Hz
VDH1000W	10	3.5	1000	800	500	0...+22	430 x 470 x 695 ¹	230V 1~ 50Hz
VDH1500W	10	3.5	1500	1100	750	0...+22	530 x 580 x 750 ¹	230V 1~ 50Hz
VDH2400W	10	3.5	2400	1750	1200	0...+22	530 x 580 x 750 ¹	230V 1~ 50Hz
VDH2900W	40	4.5	2900	2000	1300	0...+22	580 x 660 x 825 ¹	230V 1~ 50Hz
VDH3000W	40	4.5	3000	2200	1500	0...+22	590 x 620 x 1205 ¹	400V 3~ 50Hz
VDH5000W	66	5.5	5000	4300	3100	0...+22	680 x 730 x 1520 ¹	400V 3~ 50Hz
VDH7000W	66	5.5	7000	5200	3600	0...+22	680 x 730 x 1520 ¹	400V 3~ 50Hz
VDH10000W	66	5.5	10000	8300	5500	0...+22	680 x 730 x 1520 ¹	400V 3~ 50Hz
VDH18000W	100	5.6	18000	15200	11000	0...+22	800 x 850 x 1665 ¹	400V 3~ 50Hz
VDH35000W	100	5.6	35000	26000	18000	0...+22	800 x 850 x 1665 ¹	400V 3~ 50Hz
VDH40000W	100	5.6	40000	31000	23000	0...+22	800 x 850 x 1665 ¹	400V 3~ 50Hz

All units are available with the natural refrigerant R290.

¹ Provisional dimensions

Water-Water Chiller (System separator)

Efficient cooling for existing water circuits

Up to 150 kW
Cooling capacity

Up to 500 l/min.
Pump capacity

6,5 bar
Delivery pressure

Our water-water chillers are available in the same performance variants as standard chillers and are specially designed for use with existing water circuits. Depending on the design, the units can be implemented with cooling capacities of up to 150 kW. These systems represent an economical alternative to classic compressor chillers, especially in the higher performance range.

All standard models are equipped with a bypass, pressure gauge, and flow monitoring sensors as standard. In the event of a malfunction, the system switches off automatically, thus ensuring safe operation. Temperature control takes place in the secondary circuit, while a 3-way motor valve automatically adjusts the water volume in the primary circuit. The stepper motor used operates in fine control steps, thus ensuring a high degree of temperature stability.

Water-water chillers are characterized by their compact design, very low noise level, and excellent noise insulation. Heat dissipation to the environment is negligible, as waste heat is dissipated directly via the primary water circuit. Insulation of the primary circuit also prevents condensation problems. For permanently installed applications, the units are available with feet as an alternative to casters.

In order to ensure that the systems can be optimally designed, information on the water temperature on the domestic water side, the available water volume, and the pressure difference in the primary circuit is required in advance. The water-water chillers are ideal for applications with existing cooling water networks and offer an efficient, quiet, and durable solution for demanding cooling tasks.

Technical specifications	KÜHLMOBIL 1 kW	KÜHLMOBIL 2,1 kW	KÜHLMOBIL 3,2 kW	KÜHLMOBIL 4,3 kW
Product description (system separator)	002-WW-B400	121-WW-B400	210-WW-B400	311-WW-B400
Article-No.	3-101097	3-101098	3-101099	3-101145
Cooling capacity @ 20°C Water flow temperature and max. 10°C on the primary side	1000 watt	2100 watt	3200 watt	4300 watt
Rated power	4 l/min. @ 2,2 bar	4 l/min. @ 2,2 bar	5 l/min. @ 4,0 bar	5l /min. @ 4,0 bar
Max. performance	10 l/min.	10 l/min.	40 l/min.	40 l/min.
Max. pressure	3,5 bar	3,5 bar	4,5 bar	4,5 bar
Dimensions W x D x H	360 x 470 x 590 mm	360 x 470 x 590 mm	430 x 470 x 695 mm	430 x 470 x 695 mm
Power supply	230 V/50 Hz/1 PH	230 V/50 Hz/1 PH	230 V/50 Hz/1 PH	230 V/50 Hz/1 PH
Noise level	Approx. ≤ 49 dB(A) (front, 2 m distance)	Approx. ≤ 49 dB(A) (front, 2 m distance)	Approx. ≤ 49 dB(A) (front, 2 m distance)	Approx. ≤ 51 dB(A) (front, 2 m distance)
Weight	32 kg	32 kg	41 kg	41 kg

Water-water chiller (system separator) with up to 15 kW power

Features & Benefits

- Cooling capacities up to 150 kW available
- Available in the same variants as standard chillers
- Optimal use of existing water circuits (domestic or process water)
- Economical alternative to compressor chillers, especially for high capacities
- Very compact design in relation to cooling capacity
- Extremely low noise level due to the elimination of fans and compressors
- Excellent noise insulation
- Negligible heat dissipation to the environment
- No condensation problems due to insulated primary circuit
- Ideal for individual devices or central cooling solutions
- Temperature control in the secondary circuit for stable process conditions
- 3-way motor valve in the primary circuit for automatic water volume control
- Stepper motor with fine control resolution for high temperature stability
- Equipped as standard with bypass, pressure gauge, and flow monitoring from 3 kW
- Application-specific design based on customer water data
- Optionally mobile on casters or stationary with feet
- Low maintenance requirements
- Long service life thanks to robust, industrial design

Technical specifications	KÜHLMOBIL 5 kW	KÜHLMOBIL 7 kW	KÜHLMOBIL 9,5 kW	KÜHLMOBIL 14,5 kW
Product description (system separator)	311-WW-B400	423-WW-B400	442-WW-B400	534-WW-B400
Article-No.	3-101145	3-101101	3-101102	3-101104
Cooling capacity @ 20°C Water flow temperature and max. 10°C on the primary side	4300 watt	7000 watt	9500 watt	14500 watt
Rated power	5 l/min. @ 4,0 bar	1200 l/h @ 5,0 bar	1200 l/h @ 5,0 bar	1200 l/h @ 5,0 bar
Max. performance	40 l/min.	4000 l/h	4000 l/h	4000 l/h
Max. pressure	4,5 bar	5,6 bar	5,6 bar	5,6 bar
Dimensions W x D x H	430 x 470 x 695 mm	580 x 660 x 820 mm	580 x 660 x 820 mm	590 x 620 x 1205 mm
Power supply	230 V/50 Hz/1 PH	230 V/50 Hz/1 PH	230 V/50 Hz/1 PH	230 V/50 Hz/1 PH
Noise level	Approx. ≤ 51 dB(A) (front, 2 m distance)	Approx. ≤ 53 dB(A) (front, 2 m distance)	Approx. ≤ 53 dB(A) (front, 2 m distance)	Approx. ≤ 53 dB(A) (front, 2 m distance)
Weight	41 kg	84 kg	85 kg	98 kg

Rear of water-water chillers with 3-way motor valves

Water-water chiller (system separator) from 16 kW

Many research and industrial facilities already have a central cooling water supply. However, this cooling water is often either too cold for sensitive applications such as laser or electron microscope systems, or its water quality is insufficient for direct use in sensitive cooling circuits. In these cases, our water-water chillers act as system separators and represent a technically and economically optimal solution.

The units use the existing cooling water as the primary cold source and transfer the cooling capacity via a closed secondary circuit. Since no compressor or refrigerant is required, the energy requirement is essentially limited to the feed pump. This results in very low operating costs and high energy efficiency. At the same time, the purchase price is significantly lower than that of comparable compressor-cooled systems.

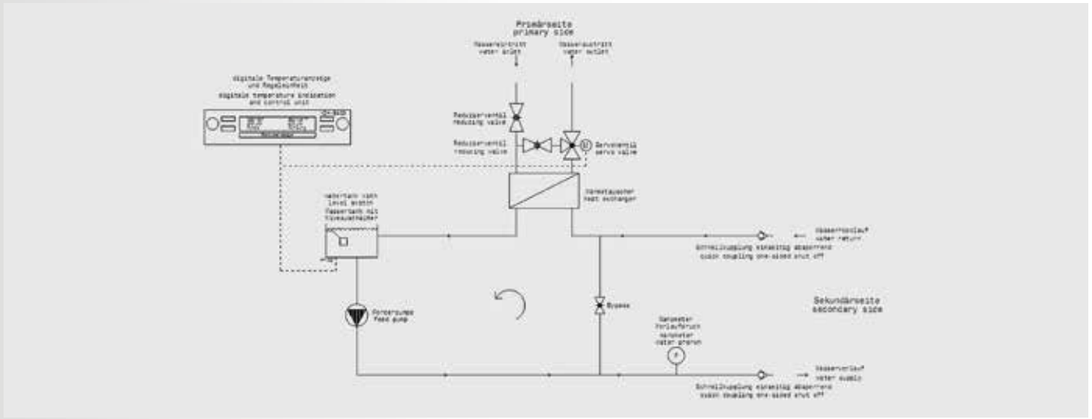
Our high-performance water-water chillers are designed for cooling capacities from 16 kW to 150 kW and operate with a 3-way motor valve controlled by a PID controller with an analog control signal (0–10 V). This ensures constant temperatures in the secondary circuit and reliably compensates for disturbances. Alternatively, the units can also be supplied with a straight-through valve if a 3-way valve is not required.

The elimination of the compressor makes the systems extremely compact, especially with increasing cooling capacity, and they operate very quietly with minimal vibration. Complete insulation of the primary circuit reliably prevents condensation. Water-water chillers from 16 kW are therefore ideal for powerful, quiet, and cost-efficient cooling applications in research, analysis, and industry.

Technical specifications	KÜHLMOBIL 16 kW	KÜHLMOBIL 20 kW	KÜHLMOBIL 25 kW	KÜHLMOBIL 35 kW
Product description (system separator)	543-WW-B400	549-WW-B400	625-WW-B400	635-WW-B400
Article-No.	3-101105	3-101107	3-101108	3-101110
Cooling capacity @ 20°C Water flow temperature and max. 10°C on the primary side	16.000 watt	20.000 watt	25.000 watt	35.000 watt
Rated power	3.000 l/h. @ 5,4 bar	3.000 l/h. @ 5,4 bar	3.000 l/h. @ 5,4 bar	3.000 l/h. @ 5,4 bar
Max. performance	6.200 l/h	6.200 l/h	6.200 l/h	6.200 l/h
Max. pressure	5,8 bar	5,8 bar	5,8 bar	5,8 bar
Dimensions W x D x H	680 x 730 x 1520 mm	680 x 730 x 1520 mm	680 x 730 x 1520 mm	800 x 850 x 1665 mm
Power supply	400 V/50 Hz/3 PH	400 V/50 Hz/3 PH	400 V/50 Hz/3 PH	400 V/50 Hz/3 PH
Noise level	ca. ≤ 55 dB(A) (frontal, 2 m distance)	ca. ≤ 55 dB(A) (frontal, 2 m distance)	ca. ≤ 55 dB(A) (frontal, 2 m distance)	ca. ≤ 55 dB(A) (frontal, 2 m distance)
Weight	155 kg	160 kg	162 kg	193 kg

Water-water chiller (system separator) with a capacity of up to 150 kW

Principle of a system separator



Technical specifications	KÜHLMOBIL 50 kW	KÜHLMOBIL 80 kW	KÜHLMOBIL 100 kW	KÜHLMOBIL 150 kW
Product description (system separator)	650-WW-B400	680-WW-B400	700-WW-B400	750-WW-B400
Article-No.	3-101112	3-101115	3-101116	3-101119
Cooling capacity @ 20°C Water flow temperature and max. 10°C on the primary side	50.000 watt	80.000 watt	100.000 watt	150.000 watt
Rated power	4.000 l/h. @ 5,5 bar	7.000 l/h. @ 4,1 bar	9.000 l/h. @ 4,7 bar	14.000 l/h. @ 5,4 bar
Max. performance	6200 l/h	15.000 l/h	22.000 l/h	30.000 l/h
Max. pressure	6,5 bar	4,7 bar	5,0 bar	3,7 bar
Dimensions W x D x H	800 x 850 x 1665 mm	980 x 820 x 1770 mm	980 x 820 x 1770 mm	980 x 820 x 1770 mm
Power supply	400 V/50 Hz/3 PH	400 V/50 Hz/3 PH	400 V/50 Hz/3 PH	400 V/50 Hz/3 PH
Noise level	ca. ≤ 56 dB(A) (frontal, 2 m distance)	ca. ≤ 58 dB(A) (frontal, 2 m distance)	ca. ≤ 60 dB(A) (frontal, 2 m distance)	ca. ≤ 60 dB(A) (frontal, 2 m distance)
Weight	207 kg	270 kg	290 kg	352 kg

Split solutions

Special solutions are our strength


1


2


3

Possibilities of different split solutions

Various solutions are available to significantly reduce both heat dissipation and noise levels in the laboratory. The waste heat dissipated by cooling systems often has a disruptive effect on the working environment and is also not always appropriate from an energy perspective within laboratory rooms.

Version 1: Here, the condenser is removed from the air-cooled chiller and mounted outside. This allows the heat generated by the chiller to be dissipated outside. In this case, the heat is no longer generated inside the room. Only the noise from the compressor can be heard in the laboratory, but sound insulation is used to keep this to a minimum.

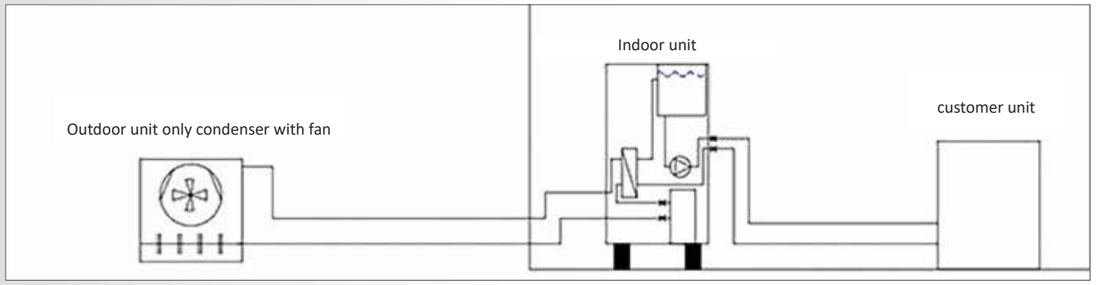
Version 2: In this variant, a complete cooling unit is mounted on the outside. This means that a smaller housing can be used and noise and heat pollution are no longer present in the laboratory. As with the first version, the housing is equipped with sound insulation.

Ausführung 3: This solution involves installing the entire chiller outdoors. In this case, it is important to use an antifreeze agent (e.g., glycol) to ensure protection against frost. It is possible to install a chiller outdoors in an open location. In this case, a rain cover is mounted on the housing if there is no covered installation location available. With outdoor installation, all noise occurs outside the laboratory. Depending on the application, a chiller suitable for your needs will be configured. There are applications that cannot be operated with antifreeze as the cooling fluid. We offer special solutions for these cases. Please contact us!

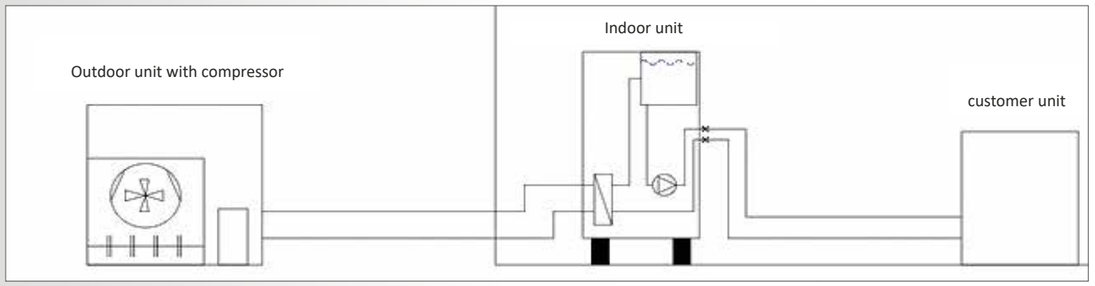
Note:

Systems 1 and 2 must be installed and commissioned by qualified personnel. All cooling systems manufactured in our factory are prepared by us as thoroughly as possible for on-site installation. We are also happy to offer on-site installation. Please note that the three designs are examples. We will, of course, modify your devices based on your specific requirements.

Version 1



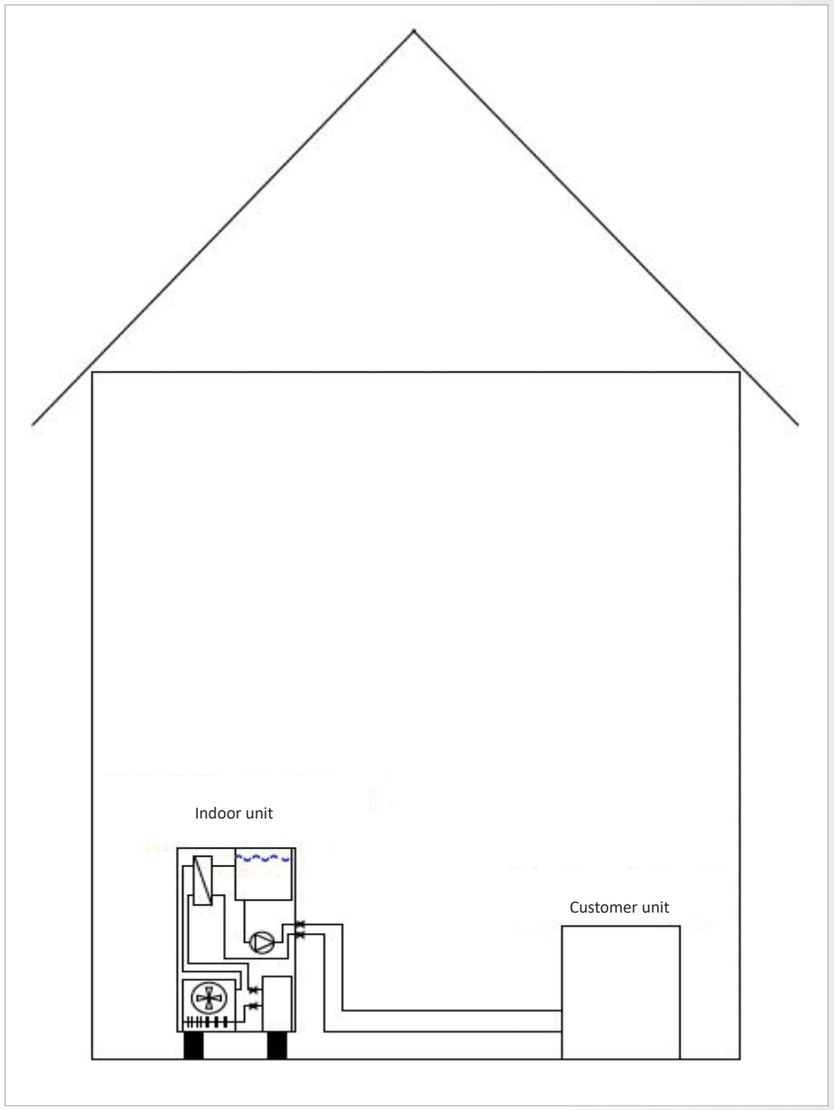
Version 2



Version 3

Sketch: Air-cooled version

Flexible thanks to simple connection to the customer unit

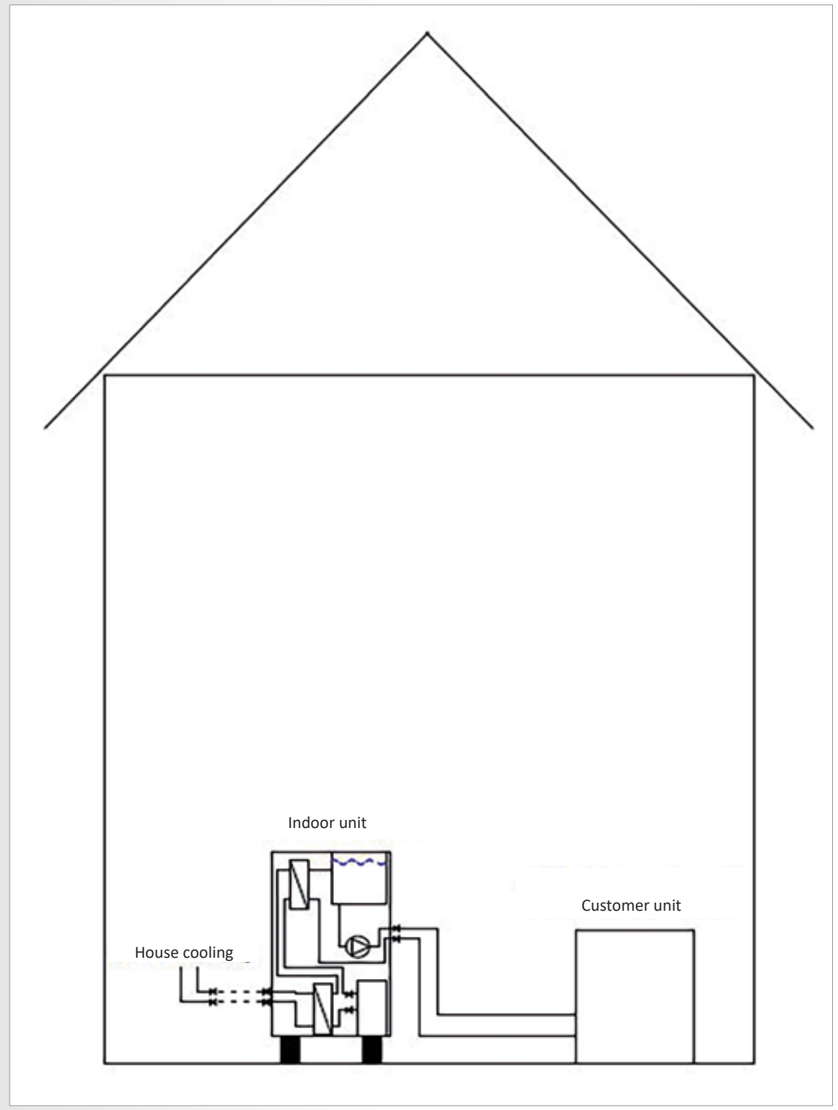


Advantages of the air-cooled version

- Easy connection and commissioning
- Flexible installation locations possible, only power supply and connection to the customer unit required
- Low maintenance
- Compact device in an attractive housing
- And much more

Sketch: Water-cooled version

Compact and low demands on the domestic water supply network

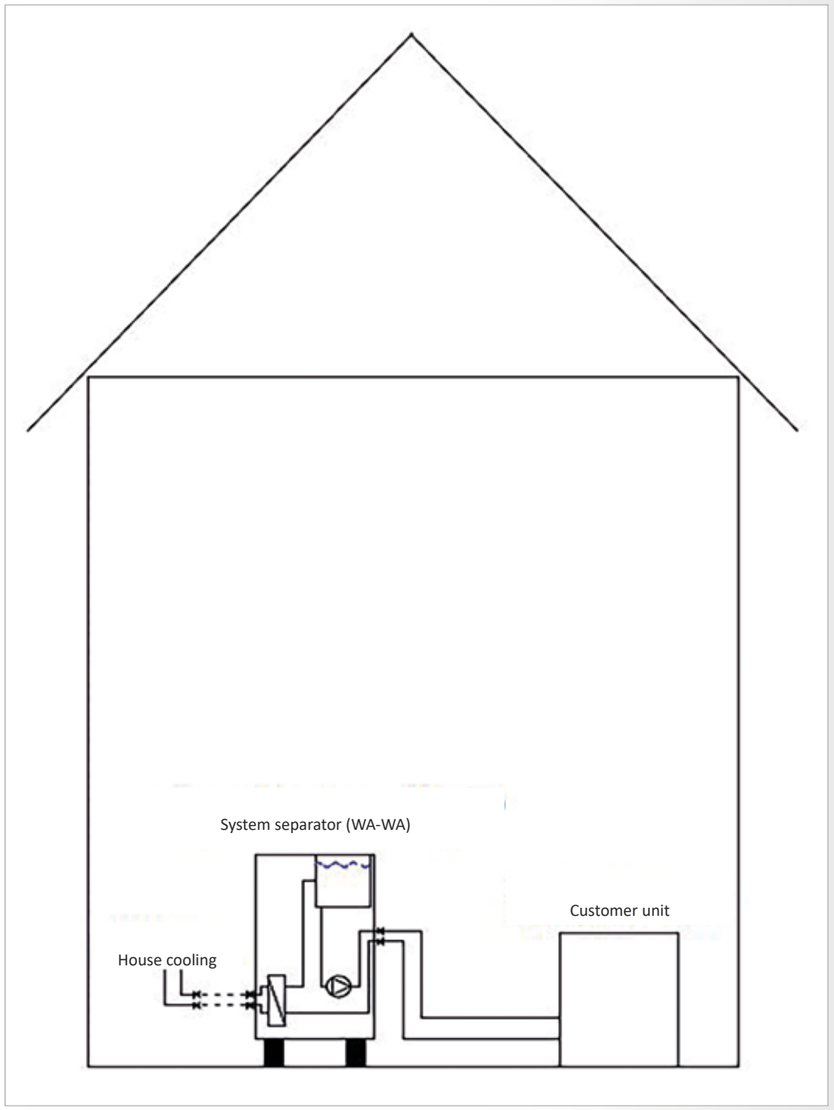


Advantages of the air-cooled version

- Hardly any heat input into the room thanks to water-cooled condenser
- Low demands on the domestic water supply
- Low water consumption
- Low maintenance
- Compact unit in an attractive housing
- And much more

Sketch: Water-water chiller

Flexible thanks to simple connection to the customer unit



Advantages of the air-cooled version

- Low power consumption
- High consistency and precision of the water flow temperature
- Low vibration, noise emissions, and space requirements
- High cooling capacities can be achieved in a comparatively small housing
- Low maintenance
- Compact device in an attractive housing
- And much more

VAR / VAC

Mercury-free vacuum gauges

Vacuum gauges for safe use in vacuum lines

Our compact vacuum gauges are a safe and technically advanced alternative to traditional mercury gauges. Glass gauges filled with mercury pose a significant hazard if damaged due to the release of heavy metals. This risk is reliably eliminated by the completely mercury-free measuring system.

The device is installed in series with an electric vacuum pump, such as an oil or diaphragm pump, and measures the vacuum directly in the range from 1020 to 0 mbar. The display shows the value directly in mbar without conversion, enabling a quick and clear assessment of the current process status. The analog measuring instrument with a front dimension of 72 x 72 mm is easy to read and operates without hysteresis effects, ensuring stable and reproducible measurement results.

With compact overall dimensions of 80 x 80 x 150 mm, the device can be integrated into existing systems in a space-saving manner. Two pipe clamps attached to the rear enable quick and secure mounting on a support wall or frame. The 8 mm nickel-plated connection fittings ensure a corrosion-resistant, tight connection in the vacuum line and are designed for long-term laboratory use.

Optionally available with integrated vacuum regulator (VAR model)

The measuring device is available with an integrated controller on request. A precisely adjustable control knob in the vacuum line allows the desired vacuum level to be defined and maintained at a constant level. This increases process reliability, improves reproducibility, and enables precise adaptation to sensitive applications.

VAR

VAC

Technical specifications	VAR / VAC
Dimensions W x D x H	80 x 80 x 150 mm
Measuring instrument	72 x 72 mm
Reading	1020 - 0 mbar
Connections	8 mm nickel-plated

Options & Accessories

The perfect choice for special requirements

Split version for higher ambient temperatures

Filters and additional connections

OEM: Color variants

Options & Accessories

Customizable—from filters to water distributors

Van der Heijden offers a high-quality and technically advanced range of air- and water-cooled standard chillers with cooling capacities from 180 W to 40 kW. The units are designed for reliable continuous operation in laboratories, research facilities, and industrial applications and cover a wide range of cooling requirements—from compact laboratory applications to power-intensive processes.

All chillers feature robust construction, precise temperature control, and high operational reliability. Depending on requirements, air-cooled models are available for maximum flexibility in installation, or water-cooled variants for reduced waste heat and lower noise levels. The systems are designed for long-term stability, consistent cooling performance, and easy integration into existing installations.

The product range is complemented by an extensive selection of options, variations, and recommended accessories. These include PVC hose sets, remote controls, bypass solutions, multiple distributors, advanced safety devices, and application-specific connection variants. These modular extensions enable optimal adaptation to individual process requirements.

In addition, numerous technical variants are available, for example for higher cooling capacities, increased temperature stability, more powerful pumps, increased delivery pressures, or special voltage and interface designs. Customer-specific adaptations with regard to control, regulation technology, or mechanical integration are also possible.

This flexible modular system allows standard chillers to be tailored precisely to the respective application – efficiently, economically, and with future-proofing in mind. Below you will find a selection of the most frequently chosen options and features.

Flow, temperature, and pressure display

Individual additional connections

Please note:
The prices of these options depend on the size of the chiller. These options are just a small selection of the most frequently requested options. There are many more possibilities, so please contact us for more information.
We are sure to have a customized solution for you too!

Options for KÜHLMOBIL and MINORE®

Description
Magnetically coupled pump
Increased temperature stability ±0.1°C
Digital flow meter
Dirt filter <0.25 mm House cooling
Dirt filter <0.25 mm Application side
Automatic bypass
Automatic refill
Easy tank emptying
Increased pump capacity
External activation
Overflow protection

There are many more optional possibilities, please send your request to: info@vdh-online.com.

Additional multiple distributor

4-way distributor with 8 x 1/2" ball valves and flow indicator for each water return. An additional control valve for volume flow regulation is installed for each water supply.

Designed for external wall mounting, it can be placed anywhere. The distributor is mounted on a wall bracket and can be attached to various locations from the outside. Wall brackets are available with up to 12 supply lines and 12 return lines.

12-way water distributor

Multiple distributors on the KÜHLMOBIL

Description		No.
Multiple distributor, 2-way with 4 ball valves	3/8"	22/2A
	1/2"	22/2B
	3/4"	22/2C
	1"	22/2D
Multiple distributor, 3-way with 6 ball valves	3/8"	22/3A
	1/2"	22/3B
	3/4"	22/3C
	1"	22/3D
Multiple distributor, 4-way with 8 ball valves	3/8"	22/4A
	1/2"	22/4B
	3/4"	22/4C
	1"	22/4D

4-way water distributor

Options & Accessories

Customizable—from filters to water distributors

Accessories

Description	No.
1 bottle of ThermoClean CPX (blue), 50 ml	00406
Oyxster® filter cartridge for eliminating algae without the use of chemical substances (possible for additional installation)	00502
HKF10 Canister, 10 L, heat transfer fluid	03672
HKF10 Canister, 25 L, heat transfer fluid	03673
Water hose, flexible and light-tight without hose clamps, practical for hose connections, 3/8" - 9 x 3; (NOTE: Hose clamps must be ordered separately)	08265
Water hose, flexible and light-tight without hose clamps, practical for hose connections, 1/2"-13 x 3.5; (NOTE: Hose clamps must be ordered separately)	08266
Water hose, flexible and light-tight without hose clamps, practical for hose connections, 3/4" - 19 x 4; (NOTE: Hose clamps must be ordered separately)	50250
Water hose, flexible and light-tight without hose clamps, practical for hose connections, 1"-25 x 4.5; (NOTE: Hose clamps must be ordered separately)	50251

Electronic power control

Description		No.
Electronic power control to maintain a constant water flow temperature at 0.1 K/min. Microprocessor control with target and actual value display on devices:	< 3.5 kW	1A
	< 6 kW	1B
	< 12.5 kW	1C
	< 40 kW	1D
Electronic power control via a proportional valve to extend the service life of the cooling unit at reduced load.		2
Electronic power control via a clocked solenoid valve to extend the service life of the cooling unit at reduced loads.		3
Electronic power control, microprocessor-controlled, for constant flow temperature (only valid for COOL-CARE® and MINORE® 0 - II types)		8

Digital flow indicator

Description	No.
Digital flow indicator in l/min, readable from the front of the control unit, up to 10 l/min.	4

Dirt filter

Description		No.
Dirt filter with screen insert <0.25 mm, on the primary side at the water inlet	3/8”	5A
	1/2”	5B
	3/4”	5C
	1”	5D
Dirt filter with screen insert <0.25 mm in the water supply to the unit to be cooled, easily accessible from the outside	3/8”	6A
	1/2”	6B
	3/4”	6C
	1”	6D

Automatic bypass valve

Description		No.
Automatic bypass valve between water inlet and return, which opens automatically when the set pressure is exceeded.	3/8”	7A
	1/2”	7B
	3/4”	7C
	1”	7D
	1 1/4”	7E
	1 1/2”	7F

Endless possibilities-
Cool Solutions- Your advantage!

Winter start device

Description		No.
For outdoor units, winter start device; special order on request	> 5 kW	9A
	> 5 kW	9B
	> 40 kW	9C

Increased pump capacity

Description	No.
Increased pump capacity, (P024)	16
Increased pump capacity, (3,5 bar)	16A
Increased pump capacity, (4,5 bar)	16B
Increased pump capacity, (6,3 bar)	16C
Increased pump capacity, (7,0 bar)	16D
Increased pump capacity, (9,0 bar)	16E
Increased pump capacity, (CM)	16F
Increased pump capacity, (9,0 bar)	16G
Increased pump capacity, (special designs)	16Z

Potential-free contact

Description	No.
Potential-free contact with external plug-in contact as an interface that opens in the event of a fault.	17A
Potential-free contact with external plug-in contact as an interface that closes in the event of a fault.	17B

Automatic switching

Description		No.
Automatic switchover to the water supply in the event of a failure or power cut to maintain the cooling function	3/8”	21A
	1/2”	21B
	3/4”	21C
	1”	21D

Overflow protection

Description		No.
Overflow protection: A non-return valve in the flow and a solenoid valve in the return for geodetic height differences of 5 m or more if the chiller is located below the application.	3/8”	27A
	1/2”	27B
	3/4”	27C
	1”	27D

Further possibilities

- Thermal fluids
- Hoses and connectors
- Multiple distributors and connectio
- Pumps & more
- Anti-algae agents
- Filter replacement
- Maintenance
- Extended warranties

Remote control incl. control unit

Optionally available for all KÜHLMOBIL variations

Remote control including control unit

Remote control in console housing with B400 control unit (with setpoint and actual value display). With plug connections for connecting the chiller and remote control. The remote control is available as an option for all chiller models.

Control and temperature display on the housing. The connections are located on the remote control. The remote control is optional for all types; cable length up to 100 m.

Functions of the control unit

- Bright O-LED display
- Easy-care and hygienic surface
- Capacitive touch technology with acoustic confirmation
- Simple control element, menu-driven and multilingual
- Acoustic alarm with reset function
- Display of error messages with detailed explanations
- Quick recognition of operating status with animated symbols and illuminated status bar
- Display of parameters without key code
- Simultaneous display of actual and target temperature
- Interface with potential-free contact for collective alarm
- PID control characteristic for high water temperature stability
- Serial number of the chiller available on the display
- Display in °C or Fahrenheit with 1/10° resolution possible
- Electronic calibration
- Delayed pump shutdown for aftercooling possible
- Drive of 3 different pumps in one device possible
- Digital volume flow in l/min readable in the control panel (as an option)
- RS 232

Remote control

Description		No.
Remote control in console housing for operation, control and temperature display on the remote control. The connections are located on the remote control. The remote control is optional for all types; cable length up to:	20 m	19A
	40 m	19B
	60 m	19C
	100 m	19D

Service & Support

Do you have any questions? We have the answers!

Specialised solutions
In addition to a wide range of standard products, we specialise in the manufacture of customised solutions. Our particular strengths lie in providing comprehensive advice and individual configuration to meet your requirements.

Product-Training
This training can be offered on-site or via webinar, whichever is most convenient for you.

Service-Training
If required, we can offer you and your team individual service training.

2-year warranty
Service and repairs are initiated by us on the first day of return to our factory. Alternatively, spare parts and maintenance manuals can be sent.

Detailed & quick answers
We respond to your enquiries and those of your end users within 24 hours.

Contact person

Technical support

Phone: +49 (0) 5265 - 945 52-0
Email: service@vdh-online.com

Sales

Phone: +49 (0) 5265 - 945 52-0
Email: sales@vdh-online.com

Order processing and dispatch

Phone: +49 (0) 5265 - 945 52-0
Email: versand@vdh-online.com

Any general questions?

Phone: +49 (0) 5265 - 945 52-0
Email: info@vdh-online.com

Contact

We offer you fast and competent assistance and look forward to your questions and feedback:

VAN DER HEIJDEN
Labortechnik GmbH

Tramsmeiers Berg 2
DE-32694 Dörentrup, Germany

Phone: +49 (0) 5265 - 945 52-0
Fax: +49 (0) 5265 - 945 52-10

Email: info@vdh-online.com
Web: www.vdh-online.com

How to find us & Contact:

From Hamburg:
A7 towards Hanover; A352 towards A2 | Dortmund; A2 | Dortmund; exit Bad Eilsen, towards Extertal | Barntrup; Dörentrup/Lemgo (B66); Humfeld.

From Cologne:
A3 | Oberhausen, Leverkusen junction onto the A1 | Dortmund, at the Kamener Kreuz junction onto the A2 | Hanover; exit Ostwestfalen-Lippe/Lemgo; from Lemgo towards Dörentrup | Hameln B66; Humfeld.

From Berlin:
A10 | Hanover at the Werder junction on the A2 | Dortmund; exit at Bad Eilsen towards Extertal | Barntrup; towards Dörentrup/Lemgo (B66); Humfeld.

From Munich:
A9 Nuremberg; A73 at the Bamberg junction towards the A70 Schweinfurt junction; A7 Kassel / Fulda; Kassel South junction A44 | B252 Warburg, towards Blomberg/Lemgo; B66 Dörentrup; Humfeld.

Imprint

Van der Heijden Labortechnik GmbH
Tramsmeiers Berg 2
DE-32694 Dörentrup-Humfeld, Germany

Phone: +49 (0) 5265 - 945 52-0

Email: info@vdh-online.com
Website: https://www.vdh-online.com

Represented by the management:
Mirko Laskowski & Andrej Kepler

Register entry:

Commercial register: HRB 3099; Lemgo Local Court

VAT ID: DE 813260936

Disclaimer & Image Rights

Liability for content
The contents of this product catalogue have been compiled with the utmost care. However, we cannot guarantee that the contents are accurate, complete or up to date. Errors, misprints and technical changes are reserved.

All offers are subject to change and non-binding.

Copyright
The content, text, images, graphics and layouts of this catalogue created by the publisher are subject to German copyright law. Any reproduction, editing, distribution or other use outside the limits of copyright law requires the prior written consent of the respective copyright holder.

Image rights / Image credits
The images, photos, graphics and illustrations used in this product catalogue are protected by copyright. Unless otherwise indicated, the image rights are held by Van der Heijden Labortechnik GmbH or the respective authors or licensors.

Any use, reproduction, editing, distribution or other utilisation of the images – even in part – is not permitted without the prior written consent of the respective copyright holder.

Where images from external providers, image agencies or manufacturers are used, this is done on the basis of the corresponding rights of use. Further use by third parties is excluded.

Data protection

1. General information
The protection of your personal data is very important to us. Your data will be processed exclusively in accordance with the statutory provisions, in particular the General Data Protection Regulation (GDPR) and the Federal Data Protection Act (BDSG).

2. Responsible person
The data controller is:

Van der Heijden Labortechnik GmbH
Tramsmeiers Berg 2
DE-32694 Dörentrup-Humfeld, Germany

Phone: +49 (0) 5265 - 945 52-0

Email: info@vdh-online.com

3. Purposes and legal bases of processing
We process personal data (e.g. name, address, email address, telephone number) if you:
Submit an enquiry, request a quote, place an order, contact our customer service team. Processing is carried out in accordance with Art. 6(1)(b) GDPR (performance of a contract or pre-contractual measures) or Art. 6(1)(f) GDPR (legitimate interest in proper business operations).

4. Disclosure of data
Your personal data will only be passed on if this is necessary for the execution of the contract (e.g. to shipping service providers, payment service providers) or if there is a legal obligation to do so.

5. Storage period
Personal data will only be stored for as long as is necessary for the respective purposes or for as long as statutory retention periods apply.

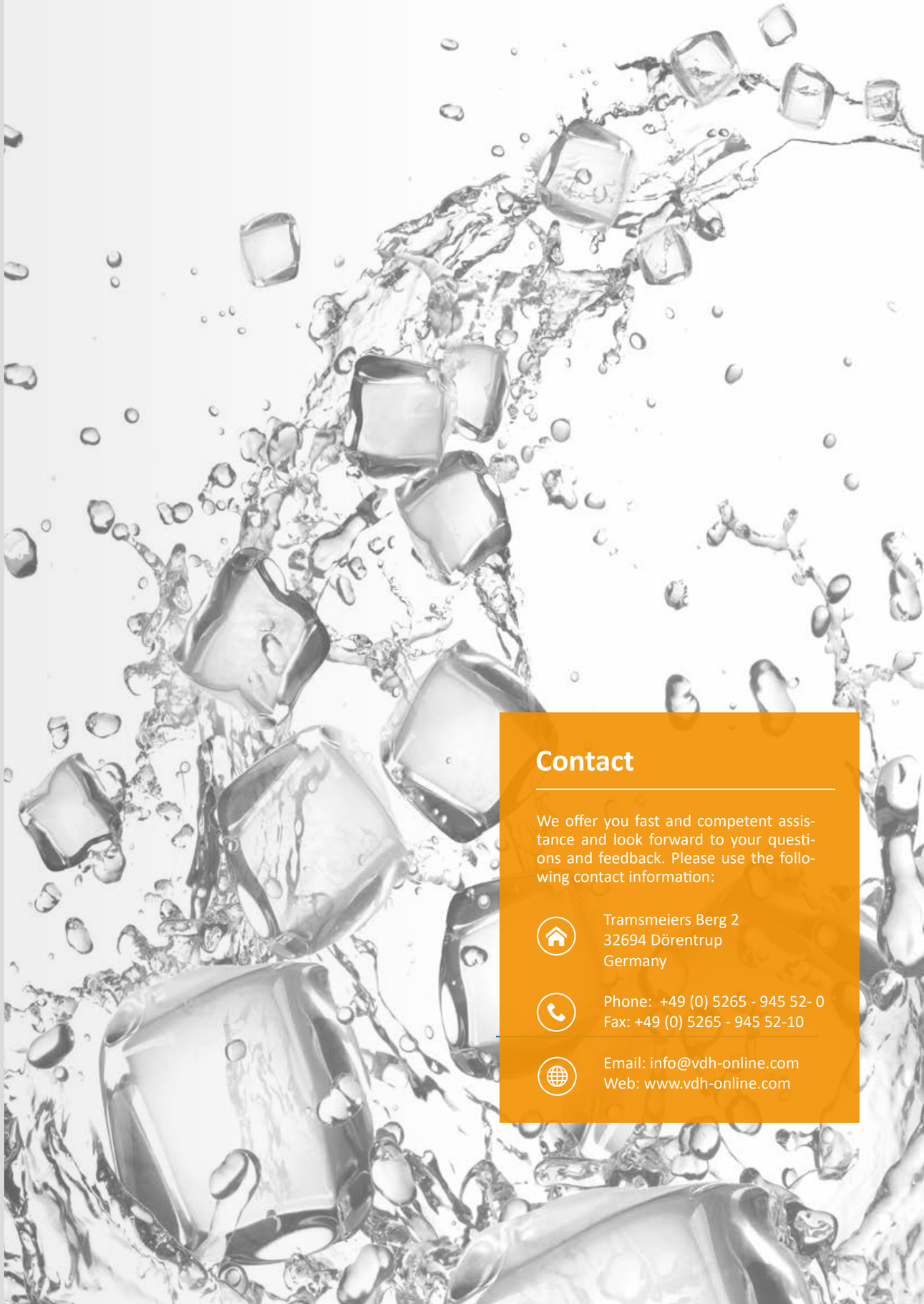
6. Your rights
You have the right to:
information in accordance with Art. 15 GDPR, rectification in accordance with Art. 16 GDPR, erasure in accordance with Art. 17 GDPR, restriction of processing in accordance with Art. 18 GDPR, data portability in accordance with Art. 20 GDPR.

Objection pursuant to Art. 21 GDPR
You also have the right to lodge a complaint with a data protection supervisory authority.

7. Data security
We use technical and organisational security measures to protect your data against manipulation, loss, destruction or unauthorised access.

Notes

Notes



Contact

We offer you fast and competent assistance and look forward to your questions and feedback. Please use the following contact information:

Tramsmeiers Berg 2
32694 Dörentrup
Germany

Phone: +49 (0) 5265 - 945 52- 0
Fax: +49 (0) 5265 - 945 52-10

Email: info@vdh-online.com
Web: www.vdh-online.com

www.vdh-online.com

Van der Heijden Labortechnik GmbH
Tramsmeiers Berg 2 • DE-32694 Dörentrup | Germany
Phone: +49 (0) 5265 - 945 52-0 • Email: info@vdh-online.com