The retail trade company Van der Heijden (laboratory equipment) was founded 1974 and changed to a production plant for chillers approx in 1985. For years we are one of the market leaders for customized solutions. We are specialized on manufacturing special builds, beside a main standard product range. Our particular strength lie in providing comprehensive advise and individual configurations to meet your requirements.

We place particular importance on our customer’s wishes regarding the manufacture of a machine and After-sales service. The whole company, including Production, Development and Sales is certified to DIN EN ISO 9001. We are an a recognized company for the disposal of old cooling agents and old chillers. This will be supervised by the water budget law.

VAN DER HEIJDEN – We have the know-how

We are experts for:
- Chillers
- Projection
- Planning
- Laboratory techniques
- Startup
- Training
- Maintenance
- Repair work

Precision from the beginning

Only specially trained specialists are responsible for the manufacturing of the devices in our production department. An order only goes to the production department after all the design instructions have been prepared. Consistent stock-keeping makes it possible to assemble all the components individually in order to build the required piece of equipment. State of the art computers at every production workplace document the most important information and transmit all the required parameters for every cooler to the controller. Every piece of equipment undergoes individual testing with a test report for performance and function.

Take advantage of our experience!
This means not just the products themselves which can all be recycled and which are configured for an optimal energy recovery. We have also planned this for the new production facility.

Water is precious

The preparation of drinking water requires a great deal of time and effort with regards to recovery, processing and distribution. The same also applies to liquid waste. In order that it can be returned to the natural hydrological cycle, an enormously high volume of time and effort is required in cleaning it. Protect not only your cooling instrument by using clean water without lime residues along with the correct pressure and a constant temperature, but protect the environment as well. Every drop of drinking water saved through the use of a cooler is an important contribution to this. A Van-der-Heijden-chiller always pays for itself!
Flexible, According to Your Specifications

Our Technology – Your Advantage

Outside our standard range, every cooler is produced in accordance with the customer’s own requirements. Our special string is in the area of custom work!

Our program encompasses air-cooled models as well as water-cooled models, with or without active refrigeration units, as a split version or as a portable, complete unit.

Do you have special voltages or different frequencies? We will adapt the cooler to these for you. Do you have cooling water in the laboratory or building and would like to use it? Then have a look at our system-separators.

Flexible to use

Our devices have diversified uses. This starts with 180 watt mini units. These are suitable for HPLC, peltier-elements, micro-rotis or to cool soxhlet devices, but also for electrophoresis or to cool analytic instruments such as AAS, ICP mass spectrometers, x-ray diffractometers and even electron microscopes and many others appliances. System-separators can supply whole laboratories.

Higher initial costs assumes in the end because of the longer lifetime and much lower failure quota.
Special-purpose solutions are our specialty!

The advantages of the KÜHLMOBIL® are:

- 100 % water savings
- No sewage costs
- Customized for your special application
- Extremely short amortisation periods
- One chiller to cool parallel different instruments
- Constant water quality, also available as distilled water model
- Constant water pressure, adjustable, if necessary
- Proper cooling water temperature, the formation of condensation on pipework can be prevented during the Summer
- Constant cooling water temperature
- Large choice of options
- Smallest surface area with highest cooling performance
- Mobile (on wheels)
- Infinitely variable temperature selection

This portable device is specialized for small cooling jobs.

Range of application

- HPLC
- Electrophoresis
- Mikro-Rotis
- Soxlet
- Water baths
- Peltier elements and other more

COOL-CARE® advantages

- 100 % water savings
- Temperature of cooling water can be set as required
- Minimal space requirements on any laboratory table
- Virtually silent in operation
- Exceptionally easy to use
- Suitable for wide range of use

COOL-CARE® aircooled

The COOL-CARE® is our smallest device, which cools virtually silent.

The COOL-CARE® operates on the principle of a circulating cooler. A refrigeration unit cools the circulating water or the anti-freeze mixture in a small container, from where a circulating pump conveys it to the unit which is to be cooled.

The filling of the container occurs at the top of the unit, where it easily accessible. The cover can be screwed on.

If maintaining the temperature constant within a determined range is more important than water savings, the COOL-CARE® is available with a separate heating unit.

Water-air chiller LUFTIKUS

Cooling only by air, without active cooling, is the most economical method of cooling. Because of physical limitations, however, the cool water temperature cannot be brought any lower than the ambient temperature.

The units can be used very readily with water distillation units or certain AAS units. A pre-requisite for this model of cooling is a permissible water inlet temperature for the unit being cooled, which lies above the ambient temperature. The temperature is controlled via a fan control unit. Our standard range has got a 500 watt and a 3000 watt version of this chiller.
Water-water chillers (system-separators) from Van der Heijden-Labortechnik GmbH are available in the same performance versions as the standard KÜHLMOBIL but also with much higher capacities. All models are specially designed for the existing water circuits and can be supplied with outputs up to 150 kW. The standard models are all fitted with bypass, manometer and sensor to monitor the flow. The unit switches of if any kind of fault occurs. Temperature control is on the secondary circuit. A motorised valve on the primary circuit automatically regulates the water volume. The stepped motor operates in fine stages to ensure a highly consistent temperature.

So that these units can be designed specifically, the following domestic water details are required:
- Water outlet temperature on the domestic water side and/or the inlet temperature to the cooling unit.
- The pressure differential over the domestic water circuit
- How much water is available?

System-separators 1-15 kW

System-separators 1-15 kW

System-separators for Example 30, 50 or 70 kW

Today, many institutes already have their own cooling water supply. This cooling water is generally too cold to cool a laser or an electronical microscope or the water quality may be of a poor quality.

The KÜHLMOBIL as system separator is the ideal solution for this problems and it has very small dimensions.

Call us!
We would be pleased to configure a fitting chiller.

Water-water chillers with open cover. Underneath is the tank and the filling up is easy to handle.

Minitower as water-water chiller with 5 kW capacity.

External 12-fold distribution rack for a 50 kW system separator.
This kind of chillers will be – in comparison to cooling compression appliances – cheaper according to the higher capacities. This means also the dimensions, the energy consumption and the noise level. This kind of appliances can be very good isolated against noise and they are relative quiet at high capacities and very compact. The waste air to the ambient room is nearly insignificant. There are no water condensation problems because the primary side is isolated generally. If the appliances are constant piped they can be equipped with stands instead of castors.

More advantages of a water-water system

This appliance works with a motor valve as full-way valve or also 3-fold valve. Due to the analogue steering signals (0-10 V) the constant temperatures will be reached and source of disturbances will be balanced.

At higher capacities and concurrent supply of many cooling places, feed pumps with frequency-controlling arrange a constant pressure.

In comparison to appliances with active cooling

Authentic service – with guarantee

- Trained staff
- Within Germany
- Soon and competent
…For customer confidence

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You can find
our chillers
in the whole world!