

# TECHNICAL OPTIONS



VAN DER HEIJDEN  
Labortechnik GmbH

# OPTIONS AND ACCESSORIES

## OPTIONS

Van der Heijden can offer a high quality range of air or water-cooled standard chillers with a cooling capacity between 180 W and 40 kW.

This product range is complemented by a wide range of options, variations and recommended accessories, e.g. PVC hoses, remote controls, bypasses, multiple distributors, etc.

There are variations that allow, for example, higher cooling performance, increased temperature stability, pump performance and much more. Below are some of the most commonly chosen options.

**Please note:** the option prices depend on the size of the cooler. These options are just a small selection of the most requested ones. There are many more options, please check with us!

We certainly have an individual solution for you too!



## Options for KÜHLMOBIL and MINORE®

### Description

- Magnetic coupled pump
- Increased stability control  $\pm 0.1^{\circ}\text{C}$
- Digital flow indicator
- Dirt filter  $< 0.25\text{mm}$  house water net
- Dirt filter  $< 0.25\text{mm}$  application side
- Auto bypass
- Auto refill
- Easy tank emptying
- Increased pump power
- Switch on control
- Overfill protection

There are more options available, please send enquiry: [info@vdh-online.com](mailto:info@vdh-online.com).

# OPTIONS AND ACCESSORIES



**12-FOLD WATER DISTRIBUTOR WITH CONTROL VALVE**



**SPLIT VARIANT FOR HIGHER AMBIENT TEMPERATURES**



**COLOR VARIATIONS**

# OPTIONS AND ACCESSORIES

## ACCESSORIES



### Multiple Manifold

3-port distributor with 6 x 1/2" ball valves and one flow display per water backrun. In addition, a regulating valve for flow control is installed in the water supply. Designed for external wall mounting and can be placed at any place. The distribution device is mounted on a wall bracket and can be fixed externally in different places. On the biggest size of the wall bracket can be mounted 10 flows and 10 returns.



# OPTIONS AND ACCESSORIES

## ACCESSORIES

| Description   | No.   |
|---|-------|
| 1 bottle ThermoClean-CPX (blue), 50 ml  | 00406 |
| Filter cartridge Oyxster® for the elimination of algae without using chemical substances, (possible for additional installation)                          | 00502 |
| HKF10 canister, 10 L, Thermal heat transfer fluid   | 03672 |
| HKF10 canister, 25 L, Thermal heat transfer fluid   | 03673 |
| Water hose, flexible and lightproof without hose clamps, convenient for hose sockets , 3/8" - 9 x 3;<br>(NOTE! Hose clamps must be ordered separately)    | 08265 |
| Water hose, flexible and lightproof without hose clamps, convenient for hose sockets , 1/2" - 13 x 3,5;<br>(NOTE! Hose clamps must be ordered separately) | 08266 |
| Water hose, flexible and lightproof without hose clamps, convenient for hose sockets , 3/4" - 19 x 4;<br>(NOTE! Hose clamps must be ordered separately)   | 50250 |
| Water hose, flexible and lightproof without hose clamps, convenient for hose sockets , 1" - 25 x 4,5;<br>(NOTE! Hose clamps must be ordered separately)   | 50251 |

## ELEKTRONICAL POWER CONTROL

| Description  | No.       |    |
|--|-----------|----|
| Electronic power control for keeping the water supply temperature constant at 0.1 K / min. Microprocessor control with setpoint and actual value display on units: | < 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 under reduced loads.  | 2         |    |
| Electronic power control via a pulsed solenoid valve to extend the service life of the cooling unit under reduced loads.   | 3         |    |

| Description  | No. |
|--|-----|
| Electronic power control, microprocessor-controlled, for constant flow temperature (only valid for type COOL-CARE® and types MINORE® 0 - II) | 8   |

# OPTIONS AND ACCESSORIES

## DIGITAL FLOW DISPLAY

| Description   | No. |
|---|-----|
| Digital flow display in l / min. Readable from the front of the control unit, up to 10 l / min. | 4   |

## DIRT FILTER

| Description  | No.  |    |
|--|------|----|
| Dirt filter with sieve insert $\leq 0.25$ mm, primary side in the water inlet                    | 3/8" | 5A |
|  | 1/2" | 5B |
|  | 3/4" | 5C |
|  | 1"   | 5D |
| Dirt filter with sieve insert $\leq 0.25$ mm in the water supply, easily accessible from outside | 3/8" | 6A |
|  | 1/2" | 6B |
|  | 3/4" | 6C |
|  | 1"   | 6D |

## AUTOMATIC BYPASS VALVE

| Description  | No.    |    |
|--|--------|----|
| Automatic bypass valve between water supply and return, which opens automatically when the set pressure is exceeded (opening pressure ... bar) | 3/8"   | 7A |
|  | 1/2"   | 7B |
|  | 3/4"   | 7C |
|  | 1"     | 7D |
|  | 1 1/4" | 7E |
|  | 1 1/2" | 7F |

# OPTIONS AND ACCESSORIES

## WINTER STARTER

| Description  | No.        |
|--|------------|
| For outdoor units, winter starter;<br>for 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, (VDH301)         | 16D |
| Increased pump capacity, (VDH401)         | 16E |
| Increased pump capacity, (CM)             | 16F |
| Increased pump capacity, (VDH601)         | 16G |
| Increased pump capacity, (special design) | 16Z |

## POTENTIAL-FREE CONTACT

| Description   | No. |
|---|-----|
| Potential-free contact with external plug-in contact as an interface, which <b>opens</b> in the event of a fault  | 17A |
| Potential-free contact with external plug-in contact as an interface, which <b>closes</b> in the event of a fault | 17B |

# OPTIONS AND ACCESSORIES

## REMOTE CONTROL

| Description  | No.   |     |
|--|-------|-----|
| Remote control in console housing for operation, control and temperature display on the remote control. The connectors 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 |

## AUTOMATIC SWITCHING

| Description  | No.  |     |
|--|------|-----|
| Automatic switching to water pipe in case of failure or power failure to maintain the cooling function | 3/8" | 21A |
|  | 1/2" | 21B |
|  | 3/4" | 21C |
|  | 1"   | 21D |

## OVERFLOW PROTECTION

| Description  | No.  |     |
|--|------|-----|
| Overflow protection: A check valve in the flow and a solenoid valve in the return at geodetic height differences from 5 m, when the cooler is placed below the application | 3/8" | 27A |
|  | 1/2" | 27B |
|  | 3/4" | 27C |
|  | 1"   | 27D |



# OPTIONS AND ACCESSORIES

## MANIFOLDS

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



### Opportunities

- Thermal fluids
- Tubing and hosing
- Manifolds and connectors
- Algaecides
- Filter replacements where used
- Preventative maintenance
- Extended warranty

**WE HAVE MANY MORE OPTIONS, PLEASE ASK FOR SPECIAL REQUIRIES!**

## Remote Control

Remote control in casing with control unit B400 (with set value and actual value display). The plug connections are mounted on the chiller. The remote control is optional available for all chiller models. Control and temperature display on the casing. Connections on the remote control. The remote control is optional for all models. Cable length up to 100 m.



## Functions Remote Control

- Light O-LED display
- Easy care and hygienic operating area
- Capacitive touch technique with acoustic confirmation
- Easy reasonable control element, menu guided and multilingual
- Acoustic alarm with reset function
- Display of error messages with explanation about reason and removal
- Quick recognizability of state of function with moving symbols
- Display of parameter without key code
- Display of actual and target temperature simultaneously
- Interface with potential free contact for collective alarm
- PID control characteristic for high temperature constancy of the water flow temperature
- serial number of the chiller available at the display
- Display in °C or Fahrenheit with resolution 1/10° possible
- Electronic calibration
- Delayed pump switch-off for after-cooling possible
- Drive of 3 different pumps within one device possible
- Digital volume flow in l/min displayed by pressing a button (as option)
- RS 232



## Contact Us

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We offer our help to you, quickly and competently, and look forward to your questions and your feedback. Please use the following contact information:



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