

Chiller with air-cooled refrigerating unit and circulation pump (stainless steel). Housing, atmospheric open tank and copper soldered evaporator made of stainless steel. With digital level indicator. Condenser in air-cooled design, performance-optimized by a built-in high-efficiency fan motor. Powerful feed pump with integrated overtemperature protection. The flow rate can be adjusted via the manual bypass valve on the backside of the chiller.

Control unit B400 / RB400:

Capacitive operating interface with OLED display and multi-coloured status notification for instant identification of the current operating status. Choice of eight different system languages (DE, EN, ES, FR, IT, PT, RU, TR). Separate operating option for the feed pump and the cooling unit with convenient adjustment of the desired setpoint. Operating of the system can be evaluated on a PC or notebook via an integrated RS232 interface.

Technical data according to DIN 12876

| | |
|---|--------------------------------|
| Operating temperature range | -20...85 °C |
| temperature set point / display | colour LED Touchscreen |
| Internal temperature sensor | Pt100 |
| Temperature stability at -10°C | 0,5 K |
| Interface digital | RS232 |
| Safety classification | I / NFL |
| Heating power | 1 kW |
| Cooling power at ambient temperature 20°C | . |
| at 15°C | 3,5 kW |
| at 10°C | 2,5 kW |
| at 0°C | 1,6 kW |
| at -10°C | 0,98 kW |
| at -20°C | 0,7 kW |
| Refrigeration machine | air-cooled, CFC- and HCFC-free |
| Refrigerant (ASHRAE, GHS) | R-449A (A1, H280) |
| Refrigerant quantity | 2 kg |
| Circulation pump: | |
| max. delivery | 40 l/min |
| max. delivery pressure | 4,5 bar |
| Pump connection | G1/2 male |
| min. filling capacity | 45 l |
| max. filling capacity | 51 l |
| Overall dimensions WxDxH ** | 590x620x1210 mm |
| Net weight | 140 kg |
| sound pressure level +/- 4 dB(A) | 64 dB(A) |
| Power supply requirement | 230V 1~ 50Hz |
| max. current | 15,5 A |
| Fuse | 16 A |
| Degree of Protection | IP52 |
| min. ambient temperature | 5 °C |
| max. ambient temperature | 32 °C |



Order-No.: VDH4100342

from Serial-No.:

1.0/24

Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.

Included Accessories:

2pcs Hose nozzles Ø13 mm, bath cover, Bypass valve

Optional accessories:

overpressure Bypass valve, drain valve, RS232 cable, temperature control / - connection hoses, thermofluids, further accessories, etc.: see catalog

Output data valid for: Room temperature 20°C. If the ambient temperature rises, the cooling capacity may drop.

in accordance with EN60034-1 the following voltage and frequency tolerances are valid:

Voltage + / - 5% with a simultaneous frequency tolerance of + / - 2%

Example -5% voltage and + 2% frequency -> not allowed!

-5% voltage and - 2% frequency -> allowed

Information to Electromagnetic compatibility:

Technical data according to DIN 12876

Classification (disturbance) to EN55011: Class A, Group 1

Recommended thermofluid: Water - Monoethylene Glycol 50:50

Standard delivery conditions - Power cable configuration:

1. Single / two-phase devices (100V to 240V) --> with power cable and country-specific plug (please specify when ordering)
2. Three-phase devices with current consumption less than 63A --> with cable, without plug
3. Three-phase devices with current consumption greater than 63A --> without cable, without plug

This equipment is compliant to US-SNAP and all applicable EU laws. The US-SNAP end-use for this equipment is the industrial process refrigeration. Certification by a Notified Body upon request.

** Please respect space requirements. See operating conditions at www.huber-online.com