# huber

# KISS K6s

huber
Natural Refrigerant
Inside

Refrigerated Heating Bath with air-cooled refrigerating unit and KISS-Controller. Consisting of isolated cooling bath made of stainless steel with immersion thermostat. Powerful pressure and suction pump made of industrial plastic material. Wetted parts made from stainless steel or plastics. With adjustable overtemperature protection according to DIN 12876.

NEW: KISS controller:
KISS combines state-of-the-art technology with simple operation and stylish design. Models with KISS controller are suitable for routine tasks in research and industry and are convincing as practice oriented basic equipment:

* Large, bright OLED display
* Simple operation with menu navigation
* Simultaneous display of set point, internal temperature, Tmin and Tmax
* Status displays for pump, cooling and heating
* USB (Device) and RS232 interfaces
* Overtemperature protection, Safety class 3 (FL)
* Autostart function for power failure
* 3 colour versions available: grey (standard), blue, red

Option: Pt100 sensor connection #10688 to display (not control) e.g. of the process temperature (only available factory fitted, additional charge).

3-2-2 warranty - registration required.

## Technical data according to DIN 12876

| | |
|---|---|
| Operating temperature range | -25...200 °C |
| Temperature stability at 70°C | 0,05 K |
| temperature set point / display | digital |
| Absolute accuracy | setup for calibration |
| Internal temperature sensor | Pt100 |
| Alarm message | optic, acoustic |
| Safety classification | Class III / FL |
| Heating power at 240V | 2,1 kW |
| Heating power at 230V | 2 kW |
| Heating power at 220V | 1,8 kW |
| Heating power at 208V | 1,6 kW |
| Cooling power | |
| at 20°C | 0,26 kW |
| at 0°C | 0,21 kW |
| at -10°C | 0,15 kW |
| at -20°C | 0,05 kW |
| Refrigeration machine | air-cooled, natural refrigerant |
| Refrigerant (ASHRAE, GHS) | R290 (A3, H220) |
| Refrigerant quantity | 0,047 kg |
| Gas warning sensor | without |
| Pressure / Suction pump | |
| max. delivery | 14 l/min |
| max. delivery pressure | 0,25 bar |
| max. delivery (suction) | 10,5 l/min |
| max. delivery pressure (suction) | 0,17 bar |
| Pump connection | M16x1 male |
| Pump connection | NW8/12 |
| Bath volume | 4,5 l |
| Width bath opening WxD | 140x120 mm |
| Bath depth | 150 mm |
| Height of bath opening | 376 mm |
| Overall dimensions WxDxH ** | 210x400x546 mm |
| Net weight | 25 kg |
| sound pressure level +/- 4 dB(A) | 57 dB(A) |
| Power supply requirement | 208-240V 1~/2~ 50/60Hz |
| max. current immersion thermostat | 10 A |
| max. current refrigerated bath | 1,3 A |
| min. Fuse | 10A |

**Order-No.: 2008.0044.98**

**Technical data according to DIN 12876**

| | |
|---|---|
| max. Fuse | 16A |
| Degree of Protection | IP20 |
| min. ambient temperature | 5 °C |
| max. ambient temperature | 40 °C |

| | | |
|---|---|---|
| **from Serial-No.:** | **395982** | **1.2/20** |

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

Included Accessories:
   hose connector NW12 #6087, sleeve nuts thread M16x1 #6089, blank plug #6088, bath cover #14451, data cable #9472.

Optional accessories:
   drain valve #6839, 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:
Classification (disturbance) to EN55011: Class A, Group 1
Special Case: Acetone and Polyglycol: The plastic pump is not resistant against acetone and polyglycols (depending on the manufacturer).
It is recommended that water is mixed with either glysantine or ethylene glycol for freeze protection. A more resistant plastic is available on request at an additional cost.

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

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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.