KISS K15

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).

4-year warranty - registration required.

Technical data according to DIN 12876

Operating temperature range	-20...200 °C
Temperature stability at 70°C	0,05 K
temperature set point / display	digital
Absolute accuracy	setup for calibration
Internal temperature sensor	Pt100
Interface digital	USB (Device), RS232 Interface
Alarm message	optic, acoustic
Safety classification	III / FL
Heating power at 240V	2,1 kW
Heating power at 230V	2 kW
Heating power at 220V	1,8 kW
Cooling power	
at 20°C	0,25 kW
at 0°C	0,2 kW
at -10°C	0,12 kW
at -20°C	0,05 kW
Refrigeration machine	air-cooled, natural refrigerant
Refrigerant (ASHRAE, GHS)	R-290 (A3, H220)
Global Warming Potential (GWP)	0,02
Refrigerant quantity	0,041 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
Bath volume	15 l
Width bath opening WxD	290x152 mm
Bath depth	200 mm
Height of bath opening	265 mm
Overall dimensions WxDxH **	350x560x430 mm
Net weight	28 kg
Power supply requirement	220-240V 1~/2~ 50/60Hz
max. current immersion thermostat	10 A
max. current refrigerated bath	1,5 A
min. Fuse	10A
max. Fuse	16A

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Technical data according to DIN 12876

Degree of Protection	IP20
min. ambient temperature	5 °C
max. ambient temperature	40 °C

from Serial-No.:	**393793**	**1.1/20**

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

Included Accessories:
data cable #9472, bath bridge #19596.

Optional accessories:
Pump adaptor #19607, drain valve #6839, temperature control / - connection hoses, thermofluids, various bath cover and 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