Technology you will love

Best value for money

Simple operation

Temperatures from -30 °C to +200 °C

Natural refrigerants

RS232 & USB interfaces

huber

high precision thermoregulation

Safe & Simple:

The new KISS® lab circulators

KISS Cooling and heating circulators for laboratory applications from -30 to +200 °C

Under the brand name KISS Huber Kältemaschinenbau presents a new model series with economical cooling and heating circulators. KISS stands for "Keeping Innovation „Safe & Simple" and describes what the customer may expect from the devices: innovative technology with safe and simple operation!

The new KISS circulators are ideally suited for routine laboratory applications such as sample temperature control, analyses and material testing as well as the external temperature control of measuring devices and test setups. You can choose from over 50 models for heating and cooling. This applies to all models: KISS circulators are low-cost, however they do have all equipment features required in daily laboratory work.

As standard with USB, RS232 and OLED

The list of equipment features has grown even longer with KISS. Apart from an RS232 interface, it now also has a USB interface as standard. Another new addition is a modern OLED display with intuitive menu navigation in plain text. The new white display can be read well at all times, even in brighter environments. Another advantage is the simultaneous display of actual temperature and setpoint value, as well as high/low temperature limit values.

The controls are reduced to the essential, therefore the operation remains always easy and clear. As a factory fitted option, a connection socket for a Pt100 sensor can be fitted. This permits the display (not control) e.g. of an external process temperature. The socket can be ordered at an additional cost.

Easy operation, stylish design
The housing is made from high-grade stainless steel. Therefore the devices are very robust and have a very elegant appearance. However, far more important is the practicality and also here are KISS circulators a good choice for most temperature applications. Starting with the simple commissioning, the space-saving design to the low-noise operation, KISS circulators are ideal for laboratory applications. Switch on, set setpoint value and press start - temperature control could not be easier.

Safe and reliable
In line with the motto „Safe & Simple", KISS devices do not only offer easy operation, but also meet the highest standards in terms of safety. All models are equipped with an over temperature and low level protection to class III/FL (DIN 12876) and are thus also suited for flammable liquids. Moreover, KISS circulators are a safe option from the technical application perspective. This is can be seen with the circulating pump, which generates a capacity of 14 l/min; 0.25 bar (pressure side) / 10.5 l/min; 0.17 bar (suction side) and thus ensures optimal mixing and homogeneous temperatures. The temperature stability is ±0.05 Kelvin, which is sufficient for most standard applications. A pump adapter is available as accessory, which permits external temperature control via hose connections.

Temperatures from -30 to +200 °C
The KISS range comprises an immersion circulator with screw clamp as well as different baths. The baths are available either in transparent polycarbonate (up to +100 °C) or high-grade stainless steel (up to +200 °C). The filling volume of the baths is from 6 to 25 litres, depending on the model. For cooling applications we offer cooling circulators for working temperatures down to -30 °C. As standard, these models already work with natural refrigerants and are therefore friendly to

Fig. 2:
The new OLED display shows all important data clearly: setpoint value, actual value, temperatu-relimits as well as status of the pump, heating and cooling systems.

Fig. 3:
KISS circulators are equipped with a USB and RS232 interface as standard. Optionally (factory fitted), an additional connection socket for a Pt100 sensor is available (Order-No. 10519).

Fig. 4:
KISS baths are available in transparent polycarbonate or stainless steel. The range of volumes is from 6 to 25 litres.

the environment and climate. Additionally, the cooling machines have an automatic cooling capacity adjustment that reduces the energy consumption and the waste heat to a minimum.

The finishing touch to the range is a range of useful accessories like test tube inserts, platforms, bath covers, sensors, hoses and temperature control liquids.

Furthermore, there is a free software for remote control, recording of measuring data and visualisation called „SpyLight".

Fig. 5:
KISS circulators are available in three colour options: grey (standard), red (Order-No. 61998) and blue (Order-No. 61999).

Heating Immersion Circulator

Model	Temperature Range (°C)	Temperature Stability[1] (K)	Heating Power (kW)	Pump Data max. Pressure (l/min)	(bar)	max. Suction (l/min)	(bar)	Safety Class[2]	Dimensions W x D x H / ID[3] (mm)	Cat.No.	G
KISS E	(-30)* 25...200	0,05	2,0	14	0,25	10,5	0,17	FL, III	132 x 163 x 312/150	2035.0012.98	1

[1] to DIN 12876, measured in a stainless steel tank 12 litres [2] FL for flammable liquids, III = adjustable overtemperature protection and addition low-liquid level protection [3] Immersion Depth
* Auxiliary cooling device required

Heating Baths with Polycarbonat bath, to +100°C

Model	Temperature Range (°C)	Heating Power (kW)	Bath Opening (mm)	Depth (mm)	Volume (ltr)	Pump Data max. Pressure (l/min)	(bar)	max. Suction (l/min)	(bar)	Dimensions W x D x H (mm)	Cat.No.	G
KISS 106A	(15)* 25...100	2,0	130 x 110	150	6	14	0,25	10,5	0,17	147 x 307 x 330	2037.0043.98	1
KISS 108A	(15)* 25...100	2,0	130 x 210	150	8	14	0,25	10,5	0,17	147 x 407 x 330	2037.0045.98	1
KISS 110A	(15)* 25...100	2,0	130 x 310	150	10	14	0,25	10,5	0,17	147 x 507 x 330	2037.0047.98	1
KISS 112A	(15)* 25...100	2,0	275 x 161	150	12	14	0,25	10,5	0,17	333 x 360 x 335	2037.0049.98	1
KISS 118A	(15)* 25...100	2,0	275 x 321	150	18	14	0,25	10,5	0,17	333 x 520 x 335	2037.0051.98	1

* Auxiliary cooling device required
Safety class III/FL

Heating Baths with stainless steel bath, to +200°C

Model	Temperature Range (°C)	Heating Power (kW)	Bath Opening (mm)	Depth (mm)	Volume (ltr)	Pump Data max. Pressure (l/min)	(bar)	max. Suction (l/min)	(bar)	Dimensions W x D x H (mm)	Cat.No.	G
KISS 208B	(-30)* 25...200	2,0	230 x 127	150	8,5	14	0,25	10,5	0,17	290 x 350 x 375	2038.0053.98	1
KISS 212B	(-30)* 25...200	2,0	290 x 152	150	12	14	0,25	10,5	0,17	350 x 375 x 375	2038.0052.98	1
KISS 215B	(-30)* 25...200	2,0	290 x 152	200	15	14	0,25	10,5	0,17	350 x 375 x 425	2038.0051.98	1
KISS 220B	(-30)* 25...200	2,0	290 x 329	150	20	14	0,25	10,5	0,17	350 x 555 x 375	2038.0050.98	1
KISS 225B	(-30)* 25...200	2,0	290 x 329	200	25	14	0,25	10,5	0,17	350 x 555 x 425	2038.0049.98	1

* Auxiliary cooling device required

Heating Circulators

Modell	Temperature Range (°C)	Heating Power (kW)	Bath Opening (mm)	Depth (mm)	Volume (ltr)	Pump Data max. Pressure (l/min)	(bar)	max. Suction (l/min)	(bar)	Dimensions W x D x H (mm)	Cat.No.	G
KISS 104A	(15)* 25...100	2,0	Ø25	150	4	14	0,25	10,5	0,17	147 x 235 x 330	2037.0040.98	1
KISS 202C	(-30)* 45...200	2,0	Ø25	150	2	14	0,25	10,5	0,17	178 x 260 x 355	2039.0012.98	1

* Auxiliary cooling device required
Model KISS 202C is fitted with an integrated cooling coil as standard. With the model KISS 104A the cooling coil is an optional extra.

Heating Bath Circulator

Model	Temperature Range (°C)	Heating Power (kW)	Bath Depth (mm)	Bath Volume (ltr)	Pump Data max. Pressure (l/min)	(bar)	max. Suction (l/min)	(bar)	Dimensions W x D x H (mm)	Cat.No.	G
KISS 205B	(-30)* 45...200	2,0	150	5,0	14	0,25	10,5	0,17	178 x 337 x 355	2040.0012.98	1

* Auxiliary cooling device required

Cooling Baths, to -30°C

Model	Working Temp. Range (°C)	Heating Power (kW)	Bath Opening (mm)	Depth (mm)	Volume (ltr)	Pump Data max. Pressure (l/min)	(bar)	max. Suction (l/min)	(bar)	Cooling Power (kW) at (°C) 0	-10	-20	Dimensions W x D x H (mm)	Cat.No.	G
KISS K12	-20...200	2,0	290 x 152	150	12	14	0,25	10,5	0,17	0,2	0,12	0,05	350 x 560 x 430	2009.0020.98	2
KISS K15	-20...200	2,0	290 x 152	200	15	14	0,25	10,5	0,17	0,2	0,12	0,05	350 x 560 x 430	2010.0017.98	2
KISS K20	-30...200	2,0	290 x 329	150	20	14	0,25	10,5	0,17	0,35	0,27	0,16	350 x 555 x 615	2011.0013.98	2
KISS K25	-30...200	2,0	290 x 329	200	25	14	0,25	10,5	0,17	0,35	0,27	0,16	350 x 555 x 615	2012.0015.98	2
KISS K6	-25...200	2,0	140 x 120	150	4,5	14	0,25	10,5	0,17	0,15	0,10	0,05	210 x 400 x 546	2008.0043.98	2
KISS K6s	-25...200	2,0	140 x 120	150	4,5	14	0,25	10,5	0,17	0,21	0,15	0,05	210 x 400 x 546	2008.0044.98	2

Safety class III/FL All units use natural refrigerant as standard

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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.