RECIRCULATING CHILLER ULK

ULK 1002:
Modern generation of Recirculating Chillers for professional applications

The ULK Recirculating Chiller serves as a universal chiller for the entire laboratory and industry and is an interesting and economical alternative to tap water cooling.
The unit is characterized by its flexible use in various applications.
On the one hand the 9,5 litre coolant tank can provide high temperature stability or can operate as a cold reservoir to help cushion cooling demand peaks. On the other hand, by minimally filling the device you have a very dynamic system with short cooling times which can quickly react to your cooling demands.

Due in particular to its compact space-saving design with a low-noise cooling unit, the Recirculating Chiller is suitable for direct use in the workplace.

Model	ULK 1002	ULK 2002
Temperature range [min/max]	-10°C / +40°C	-10°C / +40°C
Control accuracy	+/- 0,5 K	+/- 0,5 K
Cooling capacity [at +20°C]	1200 W	2300 W
[at +10°C]	850 W	1600 W
[at -10°C]	400 W	750 W
Pump capacity flow rate	12 l/min	12 l/min
Pump capacity flow pressure	2,9 bar	2,9 bar
External dimensions [WxDxH]	35x44,5x66cm	35x44,5x94cm
Weight	41 kg	65 kg
Ambient temperature [min/max]	+12°C / +30°C	+12°C / +30°C
Electrical connection	230V / 50 Hz	230V / 50Hz
Current [max.]	3,5 A	8,0 A
Coolant tank	2,0 to 9,5 l	2,0 to 9,5 l

Characteristics:

- **energy-efficient:**
  - fan with EC technology
- **low noise level:**
  - particularly quiet components
  - fan adjusts its speed to the required value
- **user-friendly:**
  - integrated funnel
  - self-sealing hose connector with quick coupling
  - drain cock
- **high-quality components:**
  - touchscreen controller with high-grade glass screen and integrated flow and digital fill level indicators
  - components from renowned manufacturers
  - refrigeration unit: fully hermetically sealed, air-cooled, low maintenance
- **high operational reliability:**
  - freeze-up and thermal overload protection
  - flow control with dry running protection
  - optical and acoustical alarm
  - error messages are displayed in plain text
- **proven standard:**
  - MOD bus interface

Options:

- Operation with natural refrigerants
- Heating for extended temperature range
- Portable version
- Potential-free alarm contact with connection to an external alarm system
- Voltage input for externally setting the set point
- Voltage output for reading the actual value
- Interface converter/gateway from RS485 to USB or Ethernet
- Optional direct measurement of the application's temperature with an external gauge; by subsequently setting the set point, greater temperature stability can be achieved than with a standard system

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