

Recirculating Chiller ULK Series

Description

The ULK series is a universal range of coolers suitable for the entire laboratory and industrial sector. ULK offers an environmentally friendly alternative to cooling with tap water.

The special coolant tank enables high temperatures to be achieved and serves as a cold accumulator to cover peak cooling requirements.

With only minimal filling of the appliance, the system reacts just as quickly and responds immediately to the new cooling requirement with short cooling times.

Due to the space-saving design and especially the low-noise cooling unit, these appliances are predestined for use directly at the workplace.



ULK 602

ULK 1002

ULK 2002

Features

- **Energy-efficient:** fan with EC technology
- Low operating noise:
 - Particularly quiet components
 - Fan adjusts the 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 operation reliability:**
 - Thermal overload protection
 - Dry running protection
 - Optical and acoustical alarm
 - Error messages are displayed in plain text

Options

- Refrigeration unit with natural refrigerant
- Heating for extended temperature range
- Mobile version
- Potential-free alarm contact for connection to an external alarm system
- Voltage input for external setpoint input
- Voltage output for actual value output
- Interface converter/gateway from RS485 to USB or Ethernet
- Direct temperature measurement possible in your application using an external sensor; the tracked setpoint specification achieves a higher temperature consistency than standard systems
- Stronger pump with increased output and discharge head

Accessories

- **Thermally insulated hoses:**
 - Silicone hose ID 12.5 mm Ø, operating pressure max. 6.0 bar to -30°C, with fabric
 - Length according to customer requirements (max. 10 m)
- **Thermoplate TP:**
For cooling and thermostating in conjunction with circulation coolers
- **Recommended temperature control fluid:**
HKF 15.1 POF ECO (ready to use, 5 liters)

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Technical Data

Model	ULK 602	ULK 1002	ULK 2002
Operation	-10°C to +40°C	-10°C to +40°C	-10°C to +40°C
Control accuracy	+/- 0,5 K	+/- 0,5 K	+/- 0,5 K
Cooling capacity			
at +20°C	650 W	1200 W	2300 W
at +10°C	-	850 W	1600 W
at -10°C	-	400 W	750 W
Circulation pump			
Flow rate	10 l/min	12 l/min	12 l/min
Flow pressure	0.6 bar	2.9 bar	2.9 bar
General technical data			
External dimensions (W x D x H)	310 x 415 x 580 mm	350 x 445 x 660 mm	350 x 445 x 940 mm
Weight	35 kg	41 kg	65 kg
Ambient temperature	+12°C to +30°C	+12°C to +30°C	+12°C to +30°C
Electrical connection	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Max. current	3.0 A	3.5 A	8.0 A
Coolant tank	2.0 to 4.5 l	2.5 to 9.5 l	2.5 to 9.5 l
Hose connection	-	12 mm	12 mm
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