

Circulating Cooler DLK 1102

Description

The DLK 1102 recirculating chiller is a high-performance, compact cooling unit designed for the reliable temperature control of processes and applications in both industrial and laboratory settings.

Thanks to its compact design, precise temperature control, and use of environmentally friendly refrigerants, it provides efficient and reliable cooling while minimizing its environmental impact. The unit can be flexibly integrated into existing systems.



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Specifications

High-Quality Components

- Touchscreen control with a glass surface and an integrated digital fill-level indicator
- High-quality, robust stainless steel housing
- Brand components for a long service life
- Cooling unit: hermetically sealed, air-cooled, low-maintenance

Environmentally Friendly

- Energy-saving fan with EC technology
- Natural, highly efficient refrigerant reduces power consumption
- Low refrigerant charge

Operationally Reliable

- Overheating protection
- Flow monitoring with automatic pump shut-off in the event of insufficient liquid
- Visual and audible alarm
- Plain-text error messages for rapid diagnosis

Low Operating Noise

- Especially quiet components
- Fans automatically adjust speed to performance needs

Options

- RS485 interface for Modbus communication
- RS485 interface for ST-Bus communication
- Voltage input for external setpoint specification
- Voltage output for actual value output
- Potential-free contact
- Direct temperature measurement in your application
- Mobile version

Accessories

Hoses 10/12.7

- Hose with hose clamps
- Ø 10mm | suitable for hose connection Ø 10mm
- Ø 12.7mm | suitable for hose connection Ø 12-13mm
- Up to -20°C | 16 bar | PVC | with fabric
- Sold by the meter

Thermally insulated 10/12.7

- Hose with insulation and hose clamps
- Ø 10mm | suitable for hose connection Ø 10mm
- Ø 12.7mm | suitable for hose connection Ø 12-13mm
- Up to -20°C | 16 bar | PVC | with fabric
- Sold by the meter

Thermal plate

- Stainless steel plate with stainless steel connections Ø 12mm
- Processing of the cooling goods possible during cooling
- Low height allows ergonomic work directly on the workbench
- Separate installation of circulation cooler and thermal plate possible
- 450 x 300 x 45mm | Special dimensions possible

Temperature control fluid

- Temperature control fluid HKF 15.1-POF Eco in a 5-liter canister
- frost-proof down to -15°C
- ready-to-use mixture
- including practical spout

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Technical Data

Model	DLK 1102
Temperature range	-10°C to +40°C
Temperature stability at -10°C	+/- 1 K
Display resolution	0.1 K
Cooling Capacity	
at +20 °C	1100 W
at +10 °C	850 W
at 0 °C	550 W
at +10 °C	160 W
Circulation Pump	
Max. flow rate	12 l/min
Max. pump pressure	3.0 bar
General Technical Data	
Hose connections	G 3/8" for hose Ø 10/13mm
Filling volume	8.5 to 13.5 l
Dimensions (W x D x H)	385x 450 x 620 mm
Installation dimensions (W x D)	585 x 750
Weight	42 kg
Sound pressure level(distance 1 m)	50 dB (A)
Permissible ambient temperature	+5°C to +40°C
Max. permissible temperature of coolant	60°C
Electrical connection	230 V / 50 Hz
Power consumption	650 W
Max. current consumption	4.7 A
Protection class	IP 20
Classification	I / NFL
Max. operating pressure	25 bar
Refrigerant	R290
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