VDW
Crucial Temperature Solutions

FRYKA

RECIRCULATING CHILLER DLK 4502 I

The DLK Recirculating Chiller serves as a universal chiller for the entire laboratory and industry. It is an interesting and economical alternative to tap water cooling.
Some examples are the removal of process heat, stabilising of the temperature of laboratory equipment such as centrifuges, analysers, rotary evaporators or reaction vessels.
Thanks to the robust stainless steel housing and the filter screens, the chiller is also particularly suitable for industrial use.

Model	DLK 4502 I
Temperature range [min/max]	0°C / +40°C
Control accuracy	+/- 1 K
Cooling capacity [at +30°C]	4500 W
Pump capacity flow rate	30 l/min
Pump capacity flow pressure	3,0 bar
External dimensions WxDxH	76 x 83 x 63cm
Weight	80 kg
Ambient temperature [min/max]	+12°C / +32°C
Electrical connection	400V 3~ 50 Hz
Current [max.]	7 A
Coolant tank	20 l

Characteristics:

- **energy-efficient:**
  - fan with EC technology
- **low noise level:**
  - particularly quiet components
  - fan adjusts its speed to the required value
- **user-friendly:**
  - good handling due to the castors with brake at the front
  - easy emptying by pumping device
- **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:**
  - thermal overload protection
  - dry running protection
  - optical and acoustical alarm
  - error messages are displayed in plain text

Options:

- MOD bus interface
- 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
- stronger pump with higher flow rate and higher flow pressure on request

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