

## PowerChiller DLK 2102

Recirculating Chiller



Powerful, robust and reliable recirculating chiller for laboratories, production and industry with a very good price-performance ratio. Environmentally friendly and future-orientated thanks to natural refrigerants: reduced refrigerant quantity and considerably lower GWP values (global warming potential), as well as low power consumption.

### Features



#### Environmentally friendly

- Energy-saving fan with EC technology
- Natural refrigerant with high efficiency reduces power consumption
- Lower refrigerant charge quantities per unit



#### Low operating noise

- due to particularly quiet components
- Fan adjusts the speed to the demand



#### High-quality components

- Touchscreen controller with glass screen and integrated digital display of the fill level
- Branded components for a long service life
- Refrigeration unit: hermetically sealed, air-cooled, low-maintenance



#### Operating safety

- Thermal overload protection
- Pump switch off in case of low liquid level
- Optical and acoustical alarm
- Error messages are displayed in plain text

### Options

- Mobile version
- MODbus interface
- Potential-free contact with connection to an external alarm system
- Voltage input for externally setting the set point
- Voltage output for reading the actual value
- Direct measurement of the application's temperature with an external sensor; by subsequently setting the set point, greater temperature stability can be achieved than with a standard system



## Technical Data

<b>Working temperature range</b>	-10°C to +40°C
<b>Control accuracy at -10°C</b>	+/- 1 K
<b>Display resolution</b>	0,1 K
<b>Cooling capacity</b>	
at 20°C	2000 W
at 10°C	1350 W
at 0°C	800 W
at -10°C	450 W
<b>Circulation pump</b>	
Flow rate [max.]	12 l/min
Flow pressure [max.]	3,0 bar
<b>Hose connections</b>	G 3/8" for hose Ø 10mm
<b>Coolant tank</b>	15,4 to 18 l
<b>External dimensions [WxDxH]</b>	43 x 45 x 71 cm
<b>Installation dimensions [WxD]</b>	63 x 75 cm
<b>Weight</b>	47 kg
<b>Noise level [distance 1m]</b>	dB(A)
<b>Permitted ambient temperature range</b>	5°C to 40°C
<b>Max. permissible temperature of the coolant</b>	60°C
<b>Electrical connection</b>	230 V / 50 Hz
<b>Power consumption</b>	950 W
<b>Current [max.]</b>	7,5 A
<b>Protection class</b>	IP 20
<b>Class. acc. DIN 12876</b>	I / NFL
<b>Max. operating pressure</b>	25 bar
<b>Refrigerant</b>	R290 (GWP 3*)
<b>Minimum room volume</b> (minimum available air volume of the installation space in accordance with DIN EN IEC 61010-2-011)	12,5 m³

## Included in the scope of delivery

- Coolant
- Hose connections for hose diameter 10 mm
- Hose connections for hose diameter 13 mm

## Accessories

- Hose Ø 10mm | 16 bar | to -20°C | PVC | with fabric | suitable for hose connection Ø 10mm
- Hose Ø 12,7mm | 16 bar | to -20°C | PVC | with fabric | suitable for hose connection Ø 13mm
- Hose Ø 10mm | thermo-isolated | 16 bar | to -20°C | PVC | with fabric | suitable for hose connection Ø 10mm
- Hose Ø 12,7mm | thermo-isolated | 16 bar | to -20°C | PVC | with fabric | suitable for hose connection Ø 13mm
- Hose set Ø 10mm | thermo-isolated | 16 bar | to -20°C | PVC | with fabric | suitable for hose connection Ø 10mm | 2x2m
- Hose set Ø 12,7mm | thermo-isolated | 16 bar | to -20°C | PVC | with fabric | suitable for hose connection Ø 13mm | 2x2m
- Thermal plate TP  
for cooling and thermostating in combination with FRYKA recirculation chillers | plate size according to customer requirements