





## PowerChiller DLK 1102

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	1100 W
at 10°C	850 W
at 0°C	550 W
at -10°C	160 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>	8,5 to 13,5 l
<b>External dimensions [WxDxH]</b>	38,5 x 46,5 x 62 cm
<b>Installation dimensions [WxD]</b>	58,5 x 76,5 cm
<b>Weight</b>	42 kg
<b>Noise level [distance 1m]</b>	49 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>	650 W
<b>Current [max.]</b>	4,7 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