



## ProChiller ULK 2002 N

Recirculating Chiller

Powerful, space-saving and quiet recirculating chiller for lab, production and industry. Customisable thanks to a wide range of available options. 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.



### Characteristics



#### Environmentally friendly

- energy-saving fan with EC technology
- natural refrigerant with high efficiency reduces power consumption
- lower refrigerant charge quantities per device



#### Low operating noise

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



#### User-friendly

- easy filling and emptying thanks to integrated filling funnel and drain valve
- leak-free hose replacement thanks to self-sealing hose connector with quick coupling



#### High-quality components

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



#### Operating safety

- freeze-up and thermal overload protection
- flow monitoring with 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 alarm 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
- Increased pump performance: Magnetically coupled pump
  - Flow pressure 2,8 bar (max.) und flow rate 10l/min (max.)
- Adjustable pump pressure

## Technical data

<b>Working temperature range</b>	-10°C to +40°C
<b>Control accuracy at -10°C</b>	+/- 0,5 K
<b>Display resolution</b>	0,1 K
<b>Cooling capacity</b>	
at 20°C	2000 W
at 10°C	1550 W
at 0°C	900 W
at -10°C	650 W
<b>Circulation pump</b>	
Flow rate [max.]	12 l/min
Flow pressure [max.]	2,9 bar
<b>Hose connections</b>	12,7 mm
<b>Coolant tank</b>	2,5 to 9,0 l
<b>External dimensions [WxDxH]</b>	40 x 45 x 73 cm
<b>Installation dimensions [WxD]</b>	60 x 75 cm
<b>Weight</b>	42 kg
<b>Noise level [distance 1m]</b>	52 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>	6,5 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*)

## Included in the scope of delivery

- Coolant
- Elbow hose nozzle Ø 12,7mm | self-sealing | with quick coupling

## Accessories

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