COOL-CARE®

Compact and economical - our smallest chiller

In order to avoid cooling water being consumed during the range of applications Van der Heijden-Labortechnik GmbH has developed the COOL-CARE®.

The COOL-CARE® operates on the principle of a circulating cooler. A refrigeration unit cools the circulating water or anti-freeze mixture in a small container.
If maintaining a constant temperature within a determined range is more important than water savings, the COOL-CARE® is available with a small heating unit.

A wear-resistant microprocessor-controlled control unit regulates the container heating unit and ensures a very precise water outflow temperature.

This type of unit is available with a stronger pump, a lower temperature range (to 0° C) and greater stability (±0.2° C)

Application examples

- HPLC
- Electrophoresis
- Rotary evaporators
- Destillation devices
- Soxhlet extractions
- Water baths
- Small cooling equipment demands

Features and advantages

- 100% water savings in tap water
- No sewage costs for waste water
- Cooling water temperature, pressure and flow can be regulated
- Constant water quality, no limescale, no algae
- Minimum space requirement on every laboratory table
- Compact 1.6 litre tank
- Almost silent in operation
- Exceptionally easy to use
- Ambient temperature up to 28°C
- Available with higher pump pressure and a lower temperature range
- Power regulation by microprocessor controlled heating, this means high temperature stability of water pre-run temperature optional (0.2 K/°C)

Technical data

Technical data	COOL-CARE®	COOL-CARE®-16
Model and part no.	COOL-CARE® 1-100138	COOL-CARE®-16 1-100153
Temperature range	5-25° C	5-25° C
Cooling power @ 20°C	180 watt	180 watt
Pump capacity max.	10 l/min.	28 l/min.
Feed pressure max.	0.15 bar	0.4 bar
Connections	Quick lock 9 mm	Quick lock 9 mm
Dimensions W x D x H	290 x 450 x 270 mm	290 x 450 x 270 mm
Current	230 V/50 Hz/1 PH	230 V/50 Hz/1 PH
Power consumption	140 Watt max.	160 Watt max.
Weight	15 kg	15 kg
Refrigerant	R134a	R134a