

Data Sheet

Heating/Tempering / Temperature Control



RC 2 basic

High-efficiency circulating chiller with powerful 400 W cooling capacity. Designed for cooling applications up to -20 °C.

The speed-controlled PEEK pump allows an indirect continuous adjustment of the maximum pressure and flow rate. Due to its excellent temperature stability of about ± 0.1 K (@ -10 °C), the RC2 can handle even sophisticated applications.

The included feed hopper and bleed valve enable the safe and clean handling of the thermofluid. An easy to open front hood allows for convenient cleaning of the air filter.

The high quality insulated 4 l bath reservoir allows the use of up to 2.5 liters of thermofluid in the external cooling circle without refilling.

Accessories: UF.Si.N30.150.10LV, CF.EG48.N30.80.22, CF.EG100, LT 5.20 Hose kit (2 pcs), LT 5.21 Hose kit insulated (2 pcs), H.PVC.8 Tube, H.PVC.12 Tube, H.SI.8 Tube, H.SI.12 Tube, H.FKM.8 Tube, H.FKM.12 Tube, H.PUR.8.R Tube, H.PUR.12 Tube, ISO.8, ISO.12, Ball valve M16x1, mechanic fluid level controller, elbow tube 90°, Olive for DN 6 hoses, Olive for DN 8 hoses, Olive for DN 12 hoses, Olive for DN 10 hoses, Adapter NTP 1/4, Adapter NTP 1/2, Adapter NTP 3/4, lock nut (2 pcs.), stopper (2 pcs.)

Technical Data

Appliance type	Recirculating Chiller
Classification according to DIN 12876	I
Identification according to DIN 12876	FL
Cooling agent	R134a
Cooling agent quantity [g]	250
Pressure max. [bar]	20
Cooling capacity (20 °C) [W]	400
Cooling capacity (10 °C) [W]	370
Cooling capacity (0 °C) [W]	320
Cooling capacity (-10 °C) [W]	240
Cooling capacity (-20 °C) [W]	130
Operating temperature min. [°C]	-20
Operating temperature max. (with external heating) [°C]	40
Working temperature min. [°C]	-20
Working temperature max. [°C]	room temp.
Temperature display	yes
Temperature control	PT 100
Working temperature sensor	PT 100
Working temperature display	LED
Temperature stability DIN 12876 [\pm K]	0.1
Display resolution [\pm °C]	0.1
Warning function optical	yes
Warning function acoustic	yes
Warning function excess temperature	yes
Warning function insufficient temperature	no
Sub-level protection	yes
Bath volume min. [l]	1.4
Bath volume max. [l]	4.0
Pump type	Pressure- / suction pump
Pump capacity adjustable	yes
Pump pressure max. (0 liters discharge flow) [bar]	0.3
Pressure pump (suction side) (0 liter flow) [bar]	0.2
Pump pressure max. (0 bar back pressure) [l/min]	18
Calibration option	yes
Technical data complies with the standard	DIN 12876
Permissible ON time [%]	100
Dimensions (W x H x D) [mm]	220 x 475 x 525
Weight [kg]	28.0
Permissible ambient temperature [°C]	5 - 32
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	yes
USB interface	yes
Voltage [V]	230 / 115
Frequency [Hz]	50/60
Power input [W]	300

Ident. No.

0004171000



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.