

KODIAK® RECIRCULATING CHILLERS

Boyd's Kodiak® Recirculating Chillers maintain precise temperature control (up to +/-0.1°C) and liquid cooling below ambient. Our Recirculating Chillers utilize compression-based cooling to accurately control liquid system temperatures with a nominal cooling capacity between 600W to 11,000W.

Kodiak® Recirculating Chillers come in both air-cooled and water-cooled versions to meet your system requirements. Boyd's chillers are available with multiple pump options that provide flow rates from 1 GPM to 12 GPM. With a wide variety of additional features and safety options, our Kodiak® Recirculating Chiller line is highly configurable to meet your specific application requirements. In addition, our Recirculating Chillers possess performance-matched, high reliability components and contain vibration isolation to ensure quiet, high performance, and reliable operation while still being easy to use.

Kodiak® Recirculating Chillers are ideal solutions for many liquid cooling applications such as 3D printers, lasers, laboratory and medical equipment, semiconductor processing, and general industry. All Kodiak® Recirculating Chillers are both UL and CE certified.

ORDERING INFORMATION

Contact your Boyd representative or visit our website (www.boydcorp.com) for more information on our Kodiak® Recirculating Chillers, including selection of the right configuration of features and options for your application.

Boyd offers a wide range of high-performance cooling products for your application, including liquid to air and liquid to liquid heat exchangers, liquid cold plates, and custom recirculating chiller cooling systems.

FEATURES & BENEFITS

Features and Benefits

Liquid Cooling Below Ambient Temperature

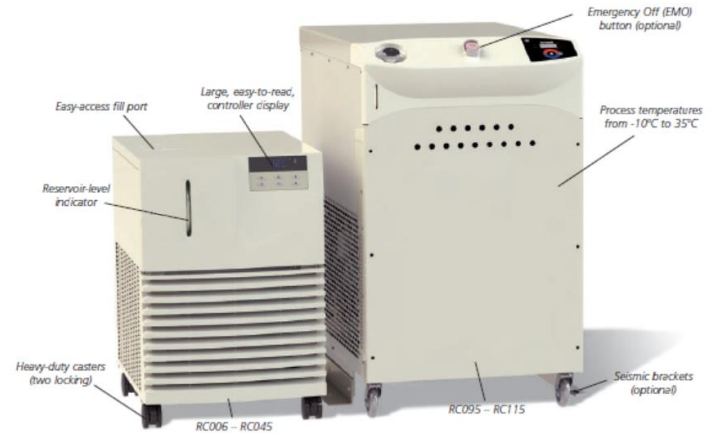
Precise Temperature Control (+0.1°C)

Cooling Capacities from 600W to 11,000W

Multiple Options and Features

(Air-cooled and water-cooled configurations, electrical configurations, pump performance, communications, etc.)

All Kodiak® Recirculating Chillers are both UL and CE Certified



MECHANICAL & PERFORMANCE

Model	RC006	RC009	RC011	RC022	RC030	RC045	RC095	RC115
Cooling Capacity * (@20°C process and ambient)	825W	1050W	1650W	2400W	3450W	5900W	9600W	11000W
Temperature Stability	+/-0.1°C							
Fluid Connections	½" FNPT						¾" FNPT	
Reservoir Capacity	4 Liters / 1 Gal		8 Liters / 2 Gal		23 Liters / 6 Gal		6.5 Liters / 1.75 Gal	
Coolant Temperature Range	5 - 35°C / 41 - 95°F						4 - 35°C / 39 - 95°F	
Ambient Temperature Range	10 - 35°C / 50 - 95°F						5 - 35°C / 41 - 95°F	
Dimensions (W x D x H)	318 x 483 x 559 mm 12.5 x 19.0 x 22.0 in.		376 x 623 x 673 mm 14.8 x 24.5 x 26.5 in.		543 x 705 x 810 mm 21.4 x 27.8 x 31.9 in.		813 x 1092 x 1143 mm 32.0 x 43.0 x 45.0 in.	
Dry Weight	44 kg 97 lbs	45 kg 100 lbs	55 kg 122 lbs	75 kg 166 lbs	118 kg 260 lbs	122 kg 270 lbs	235 kg 517 lbs	

ELECTRICAL CONFIGURATION WITH FULL LOAD AMPERAGE

G03 (115V, 1Ph, 60Hz)	9.9A	12.2A	14.3A	N/A	N/A	N/A	N/A	N/A
H03 (230V, 1Ph, 50Hz)	4.5A	5.3A	6.3A	9.5A	13.7A	17.2A	N/A	N/A
J03 (208/230V, 1Ph, 60Hz)	N/A	5.8A	7.4A	10.0A	14.5A	19.6A	N/A	N/A
M01 (200-220V, 3Ph, 50Hz 208-230V, 3Ph, 60 Hz)	N/A	N/A	N/A	N/A	N/A	N/A	22.2A	22.2A
R01 (460V, 3Ph, 60Hz)	N/A	N/A	N/A	N/A	N/A	N/A	11.0A	11.0A
T01 (380V, 3Ph, 50Hz)	N/A	N/A	N/A	N/A	N/A	N/A	11.0A	11.0A

PUMP OPTIONS**

BB (PD, Brass, 1.3 GPM/4.9 LPM)	●	●	●	●				
BC (PD, Brass, 1.8 GPM/6.8 LPM)	●	●	●	●				
BE (PD, Brass, 2.3 GPM/8.7 LPM)	●	●	●	●				
BG (PD, Brass, 4.3 GPM/16.3 LPM)			●	●	●	●		
CB / CC / BE / CG (SS version of brass PD pumps noted above)								
AA (Centrifugal, 1/20HP)	●	●						
DA (Centrifugal, 1/4HP)			●	●	●	●		
DF (Centrifugal, 1.5HP)							●	●
EC (Turbine, 1/6HP)	●	●	●	●				
EB (Turbine, Bronze, 1/2HP)			●	●	●	●		
ED (Turbine, Bronze, 1.5 HP)							●	●
FB (Turbine, SS, 1/2HP)			●	●	●	●		
FD (Turbine, SS, 1.5HP)							●	●

FEATURE OPTIONS

Contact your Boyd representative for available options, such as water-cooled in lieu of air-cooled, RS-232, RS-485, and Ethernet communications, external flow control, low temperature package, high purity plumbing, anti-siphon package, heater option, particle filters.

* Graphs showing cooling capacity as a function of process supply temperature at 20°C and 30°C ambient available upon request.

** Contact your Boyd representative for flow vs. pressure drop curves for each pump option.

COMING SOON

KODIAK® K2

KODIAK® K2 Features and Benefits

New Environmentally Responsible Refrigerant

with a 2-5x improvement over today's refrigerants such as R-134a, R-410A and R-407C

Modern Touchscreen Interface

with additional display data

Enhanced Performance

operating up to a 40°C process temperature and a 40°C ambient

New Features

including direct flow measurement, flow adjustment, air and particle filters included standard

Universal Power Configuration

utilizing both 50Hz and 60Hz in one unit

Predictive and Preventative Maintenance Features

KODIAK® K2 Estimated Release Dates

1kW and 2 kW air-cooled chillers (can replace RC006, RC009, RC011 and RC022 Kodiak® chillers)	November 2020
4kW and 6kW air-cooled and water-cooled chillers	June 2021
10kW and 20kW air-cooled and water-cooled chillers	December 2021

Boyd reserves the right to make changes to products or information contained herein without noticed. For additional and up to date information, please contact Boyd directly.