55 Dragon Court
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LYTRON™

Price List

Note: The prices listed in this price list are for quantities of one to nine pieces. For larger quantities please contact Lytron's Sales Department to obtain discount pricing. Prices subject to change without notice. There is a $100 order minimum on domestic orders and a $200 handling fee for international orders less than $1,000. We recommend MasterCard and Visa for orders less than $2,000.

KODIAK® RECIRCULATING CHILLERS

• = Standard Feature

To order a chiller, select a model number and add the option codes. E.g.: RC011G03BB3. For options without codes, contact Lytron applications engineering.

	Option Codes	RC006	RC011	RC022	RC030	RC045
Dry Weight (lbs)		97	122	166	270	270
Connections (Female NPT)		1/2"	1/2"	1/2"	1/2"	1/2"
Width		12.5"	14.8"		21.4"	
Depth		19"	24.5"		27.8 "	
Height		22"	26.5"		31.9"	
ELECTRICAL CONFIGURATIONS: 115V 60Hz 1ϕ	G03	$2,425	$2,685			
230V 50Hz 1ϕ	H03	$2,630	$2,920	$3,410	$4,668	$5,020
230V 60Hz 1ϕ	J03		$2,685	$3,130	$4,275	$4,595
PUMPS: Positive Displacement Pump--Brass 1.3 gpm	BB	•	•	•		
Positive Displacement Pump--Brass 1.8 gpm	BC	$100	$100	$100		
Positive Displacement Pump--Brass 4.3 gpm	BG		$250	$250	•	•
Positive Displacement Pump--Stainless Steel 1.3 gpm[1]	CB	$0	$0	$0		
Positive Displacement Pump--Stainless Steel 4.3 gpm[1]	CG		$250	$250	$0	$0
Centrifugal--CP-15 (1/20 hp)[2]	AA	$150				
Centrifugal--CP-25 (1/4 hp)[2]	DA		$450	$450	$340	$340
Turbine--(1/2 hp)	EB		$450	$450	$450	$450

[1]Available only with High Purity Plumbing Package.

STANDARD FEATURES: CE certified (50 Hz unit), CFC-Free Refrigerant, Hot Gas Bypass, 0.1˚C Temperature Stability, Digital Temperature Display, Plastic Reservoir, System Drain, Heavy-Duty Casters, Visual Reservoir Level, Spill-proof Reservoir Lid.

CONTROLLER PACKAGES:	Option Codes	RC006	RC011	RC022	RC030	RC045
Controller Package I: Microprocessor Temperature Controller with: Digital Temp Display, Calibration Offset, Low Flow Shut Off, Auto-Restart, $^{O}C/^{O}F$ Toggle, Audible Alarm, and Alarm Mute. 5 piece minimum	1	($250)	($250)	($250)	($250)	($250)
Controller Package II: Same as Package I plus Low Level, Low/High Temp, Fault Shut Off (Toggle on/off), Relay Contacts (configurable as normally open or normally closed).	2	•	•	•	•	•
Controller Package III: Same as Package II plus RS-232 Interface.	3	$650	$650	$650	$650	$650

AVAILABLE OPTIONS:	RC006	RC011	RC022	RC030	RC045
High Purity Plumbing: Ideal for 1 to 3 MegOhm applications; it includes nickel-plated fittings, and a nickel-brazed evaporator. Not compatible with BB, BC and BG pumps.	$300	$400	$400	$450	$450
Deionization Package: Uses our standard plumbing. Chiller comes with an externally-mounted DI cartridge (no indicator light).	$250	$300	$300	$300	$300
External Flow Valve: A manually adjustable 1/2" globe valve installed on the back of the chiller.	$125	$125	$125	$125	$125
Heater: Submerged 2000 W with over-temp shut-off. (Not available on G03 models)		$750	$750	$950	$950
Anti-Siphon: An integral check valve and solenoid to prevent backflow. Costs $450 if high purity is selected	$300	$300	$300	$300	$300
Water-Cooled Condenser		$800	$800	$800	$800
External Pressure Relief Valve: Costs $225 with a DA pump.	$150	$150	$150	$150	$150
0.1˚ Setpoint	$50	$50	$50	$50	$50
Remote Start	$50	$50	$50	$50	$50
5 Micron Water Filter	$100	$100	$100	$100	$100
Air Filter		$50	$50	$50	$50

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LARGE CAPACITY RECIRCULATING CHILLERS

Note: To place an order for a large capacity chiller, select a model number (eg RC070) and then then choose the appropriate option codes starting at the top of the "Option Codes" column. For example: RC070L01BH5. For listed options without codes, contact Lytron for ordering information.

	Option Codes	RC070	RC100	RC130	RC160	RC250	RC350
Base Price:	↓	$4,875	$5,455	$7,455	$9,040	$11,025	$13,125
Dry Weight (lbs)		391	429	650	665	990	1260
Refrigeration/Tons Compressor HP		2	3	4	5	7.5	10
Width		36.25"		47.20"		46.75"	
Depth		31.25"		35.25"		36 "	
Height		37"		43"		60.9"	

ELECTRICAL CONFIGURATIONS:		Option Codes	RC070	RC100	RC130	RC160	RC250	RC350
	208/230VAC 60Hz 3ϕ	L01	L01	L01	L01	L01	L01	L01
	460VAC 60Hz 3ϕ	P01	P01	P01	P01	P01	P01	P01

PUMPS:		Option Codes	RC070	RC100	RC130	RC160	RC250	RC350
3/4" Female NPT Connections	**Positive Displacement Pump--Brass 5.3 gpm**	BH	•	•				
	Positive Displacement Pump--Stainless 5.3 gpm	CH	$300	$300				
	Positive Displacement Pump--Stainless 5.7 gpm	CK	$500	$500				
	Positive Displacement Pump--Stainless 6.8 gpm	CL	$600	$600	•			
	Positive Displacement Pump--Stainless 7.9 gpm	CM	$775	$775	$375	•		
1" Female NPT Connections	**Positive Displacement Pump--Stainless 9.0 gpm**	CN	$790	$790	$390	$390	•	
	Positive Displacement Pump--Stainless 10.1 gpm	CQ	$805	$805	$405	$405	$405	•
1.25" Female NPT Connections	**Centrifugal--CP-55 (1 hp)**[1]	DB	$600	$600	$600	$600	$600	$600
	Centrifugal--CP-75 (2 hp)[1]	DC	$800	$800	$800	$800	$800	$800

[1]Water Filter not available with centrifugal pumps.

STANDARD FEATURES: 0.5˚C Temperature Stability, CFC-Free Refrigerant, Digital Temperature Display, Hot Gas Bypass, Air Filter, 5 Micron Water Filter, Phase Loss Protection, Low Level, Low Flow Indicator.

CONTROLLER PACKAGES:		Option Codes	RC070	RC100	RC130	RC160	RC250	RC350
Controller Package IV:	Digital Display in ˚F, Low Flow Indicator, Low Level Indicator. No Dry Contacts.	4	•	•	•	•	•	•
Controller Package V:	Digital Display in ˚C, Low Flow Indicator, Low Level Display Indicator. No Dry Contacts.	5	$0	$0	$0	$0	$0	$0
Controller Package VI:	Digital Display in ˚F, Indicators and Dry Contacts for: Low Level, Low Flow, Over temp, Dry Contacts open on fault.	6	$500	$500	$500	$500	$500	$500
Controller Package VII:	Digital Display in ˚C, Indicators and Dry Contacts for: Low Level, Low Flow, Over temp, Dry Contacts open on fault.	7	$500	$500	$500	$500	$500	$500

AVAILABLE OPTIONS:		RC070	RC100	RC130	RC160	RC250	RC350
Heavy Duty Casters:	(adds 5.5" height)	$295	$295	$295	$295	$295	$295
High Purity & DI Package:	DI Cartridge (no light), plastic bulkhead fittings, a stainless steel bypass (instead of brass) a nickle-brazed evaporator (instead of copper-brazed), for 1 to 3 MegOhm applications, but not ultra-pure applications. Customer must order a stainless or centrifugal pump.	$1,000	$1,000	$1,000	$1,000		
External Flow Valve:	A manually adjustable 1/2" globe valve installed on the back of the chiller.	$175	$175	$175	$175	$175	$175

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MODULAR COOLING SYSTEMS

Note: To place an order for an MCS cooling system, select a model number (eg: MCS10) and then then choose the appropriate option codes starting at the top of the "Option Codes" column. For example: MCS10G01AB1. For listed options without codes, contact Lytron for ordering information.

		Option Codes	MCS10	MCS20	MCS30	MCS40	MCS50
	Stand Alone Ship Weight lbs (kg):	↓	45 (20)	49 (22)	50 (23)	75 (34)	75 (34)
	Rack Ship Weight lbs (kg):		34 (15)	36 (16)	38 (17)	N/A	N/A
	Connections Inlet (FNPT):		1/2"		1/2" Barb	1/4"	
	Outlet (FNPT):		3/8"		1/2" Barb	1/4"	
	Width inches (mm):		17.3" (439) (19" (483) for rack mount)			15" (381)	
	Depth inches (mm):		15.1" (384)			15" (581)	
	Height inches (mm):		13.3" (338)			24" (610)	
ELECTRICAL CONFIGURATIONS:	**115V 60Hz 1ph**	G01	$945	$1,055	$1,130	$990	$1,100
	230V 50Hz 1ph	H01	$1,040	$1,160	$1,247	$1,089	$1,210
	230V 60Hz 1ph	J01				$990	$1,100
PUMPS:	**Centrifugal Pump – 1/16 hp**	AB	•	•	•		
	Positive Displacement Pump – Brass 1.8 gpm	BC				•	•
	Positive Displacement Pump – Brass 2.3 gpm	BE				$110	$110
	Ambient Package	1	•	•	•	•	•
OPTIONS:	**Rack Mount Configuration**[1]	M062	($75)	($75)	($75)		
	High Purity Plumbing – Consists of Stainless Steel Heat Exchanger and Plastic Bulk Head Fittings	M004	$180	$275			
	Rack Mount Configuration[1] **and High Purity Plumbing** (See description above)	M062	$255	$350			
OTHER OPTIONS[2]**:**	**PVC Reinforced Tubing**		•	•	•	•	•
	Air Filter					•	•
	5 Micron Water Filter (Process)					•	•
	Low Level Indicator					•	•
	Heavy Duty Casters		$45	$45	$45	$60	$60

[1] Rack Mount Configuration is not available in 230V 50Hz 1ph electrical configuration.
[2] Call for part number.

• = Standard Feature

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SYSTEM ACCESSORIES

Water Filter Kit: Contains 5 micron filter, filter housing, mounting bracket, 1 ft. hosing, 2 hose clamps & assembly instructions.

	P/N	Unit Price
3/8" Fluid Connection	200-0441	$150
1/2" Fluid Connection	200-0442	$150

Plumbing Pkg: Contains 50 ft. Nylabraid™ hose, 50 ft. Amorflex™ insulation, Male NPT to Barb Fittings, 2 Hose Clamps.

	P/N	Unit Price
3/8" or 1/2" Fluid Connections	200-0193	$90
3/4" or 1" Fluid Connections	200-0194	$120
1 1/4" Fluid Connection	200-0195	$145

External Pressure Relief Valve - For applications requiring reduced pressure. Kit contains a Pressure Relief Valve, 2 Tees, Hose Clamps & Plumbing Instructions. Assembly required.

	P/N	Unit Price
3/8" or 1/2" Fluid Connections	200-0196	$200
3/4" or 1" Fluid Connections	200-0197	$260
1 1/4" Fluid Connection	200-0198	$270

External Manually Adjustable Flow Valve - For application requiring flow control. Kit contains Flow Valve, 2 Tees, Hose Clamps & Plumbing Instructions. Assembly required.

	P/N	Unit Price
3/8" or 1/2" Fluid Connections	200-0298	$200
3/4" or 1" Fluid Connections	200-0513	$260
1 1/4" Fluid Connection	200-0514	$270

	P/N	Unit Price
RS-232 Cable - 10 Feet	250-0091	$50
Dry Contact Cable - 10 Feet	250-0090	$30
Algicide - 250g	580-0016	$60
115 V power cord for Kodiak - 25 feet	250-0092	$50
230 V power cord for Kodiak - 25 feet	250-0093	$50

SYSTEMS SPARE PARTS

5 Micron Water Filters (NOTE: 10 Piece Minimum Order)

		P/N	Unit Price
5" Filters	MCS40, MCS50, RC006, RC011, RC022, RC030, RC045	330-0022	$6.65
10" Filters	RC070, RC100, RC130, RC160, RC250, RC350	330-0037	$10.90

Air Filters (NOTE: 10 Piece Minimum Order)

	P/N	Unit Price
RC011, RC022	200-0173	$10.00
RC030, RC045	200-0155	$10.00
RC070, RC100	300-0682	$9.25
RC130, RC160	300-0695	$14.90
RC250, RC350	300-0693	$17.60

Deionization Cartridges (NOTE: 10 Piece Minimum Order)

		P/N	Unit Price
10" Mixed Bed	RC006, RC011, RC022, RC030, RC045	430-0330	$150.00
11" Mixed Bed	RC070, RC100, RC130, RC160, RC250, RC350	440-0107	$190.00

PD Pump Heads (Call for Pump Motor Part Numbers and Prices)

	P/N	Unit Price
1.3 gpm PDP – Brass "BB"	410-0101	$178.00
1.8 gpm PDP – Brass "BC"	410-0103	$178.00
2.3 gpm PDP – Brass "BE"	410-0112	$178.00
4.3 gpm PDP -- Brass "BG"	410-0108	$289.00

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HEAT EXCHANGERS:

Stainless Steel Tubes & Copper Fins

	Fan Qty	Fan Codes	Price
AS04-05G01BD	1	D,E	$194
AS04-10G01BD	2	D,E	$228
AS06-08G01BD	1	F,G,H,J	$303
AS06-16G01BD	2	F,G,H,J	$388
AS08-10G01BD	1	M,N,P,Q	$506
AS08-20G01BD	2	M,N,P,Q	$590
AS04-05G01SB	1	D,E	$177
AS04-10G01SB	2	D,E	$211
AS06-08G01SB	1	F,G,H,J	$287
AS06-16G01SB	2	F,G,H,J	$371
AS08-10G01SB	1	M,N,P,Q	$489
AS08-20G01SB	2	M,N,P,Q	$573
4105G1 BD	1	A,B,D,E	$190
4110G10 BD	1	A,B,D,E	$276
4120G10 BD	2	A,B,D,E	$337
4210G10 BD	1	F,G,H,J	$349
4220G10 BD	2	F,G,H,J	$472
4310G10 BD	1	M,N	$607
4320G10 BD	2	M,N	$729
4105G1 SB	1	A,B,D,E	$190
4110G10 SB	1	A,B,D,E	$276
4120G10 SB	2	A,B,D,E	$337
4210G10 SB	1	F,G,H,J	$349
4220G10 SB	2	F,G,H,J	$472
4310G10 SB	1	M,N	$607
4320G10 SB	2	M,N	$729
4105G1 AN	1	A,B,D,E	$205
4110G10 AN	1	A,B,D,E	$290
4120G10 AN	2	A,B,D,E	$352
4210G10 AN	1	F,G,H,J	$364
4220G10 AN	2	F,G,H,J	$486
4310G10 AN	1	M,N	$621
4320G10 AN	2	M,N	$744

Copper Tubes & Copper Fins (Painted Black)

	Fan Qty	Fan Codes	Price
6105G1 AN	1	A,B,D,E	$112
6110G1 AN	1	A,B,D,E	$118
6120G1 AN	2	A,B,D,E	$146
6210G1 AN	1	F,G,H,J	$183
6220G1 AN	2	F,G,H,J	$213
6310G3 AN	1	M,N	$232
6320G3 AN	2	M,N	$289
6105G1 BD	1	A,B,D,E	$112
6110G1 BD	1	A,B,D,E	$118
6120G1 BD	2	A,B,D,E	$146
6210G1 BD	1	F,G,H,J	$183
6220G1 BD	2	F,G,H,J	$213
6310G3 BD	1	M,N	$232
6320G3 BD	2	M,N	$289
6105G1 SB	1	A,B,D,E	$112
6110G1 SB	1	A,B,D,E	$118
6120G1 SB	2	A,B,D,E	$146
6210G1 SB	1	F,G,H,J	$183
6220G1 SB	2	F,G,H,J	$213
6310G3 SB	1	M,N	$232
6320G3 SB	2	M,N	$289
6340G1 SB	na	na	$520
6340G2 SB	4	M,N	$580

Copper Tubes & Al Fins

**Insert these fitting codes into part number when ordering:
E.G. M05-050 BD 0 where BD stands for Beaded Fitting, or SB for Straight Tube.**

	Fan Qty	Fan Codes	Price
M05-050 _ _ 0	na	na	$56
M05-100 _ _ 0	na	na	$64
M10-080 _ _ 0	na	na	$87
M10-160 _ _ 0	na	na	$104
M14-120 _ _ 0	na	na	$121
M14-240 _ _ 0	na	na	$156
M05-050 _ _ 1	1	A,B,D,E	$82
M05-100 _ _ 1	2	A,B,D,E	$96
M10-080 _ _ 1	1	F,G,H,J	$119
M10-160 _ _ 1	2	F,G,H,J	$145
M14-120 _ _ 1	1	M,N	$157
M14-240 _ _ 1	2	M,N	$207
M05-050AN0	na	na	$74
M05-100AN0	na	na	$82
M10-080AN0	na	na	$110
M10-160AN0	na	na	$127
M14-120AN0	na	na	$144
M14-240AN0	na	na	$179
M05-050AN1	1	A,B,D,E	$100
M05-100AN1	2	A,B,D,E	$114
M10-080AN1	1	F,G,H,J	$142
M10-160AN1	2	F,G,H,J	$168
M14-120AN1	1	M,N	$180
M14-240AN1	2	M,N	$230

Aluminum Oil Coolers

	Fan Qty	Fan Codes	Price
ES0505 G21	na	na	$305
ES0510 G21	na	na	$322
ES0707 G21	na	na	$357
ES0714 G21	na	na	$386
ES0505 G22	na	na	$322
ES0510 G22	na	na	$342
ES0707 G22	na	na	$379
ES0714 G22	na	na	$414
ES0505 G23	1	A,B,D,E	$328
ES0510 G23	2	A,B,D,E	$353
ES0707 G23	1	F,G,K,L	$385
ES0714 G23	2	F,G,K,L	$427
ES0505 G24	1	A,B,D,E	$344
ES0510 G24	2	A,B,D,E	$372
ES0707 G24	1	F,G,K,L	$407
ES0714 G24	2	F,G,K,L	$455

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HEAT EXCHANGERS CONTINUED:

Liquid-to-Liquid Heat Exchangers

LL510G02 or -G03	$159
LL516G02 or -G03	$197
LL520G02 or -G03	$223
LL810G02 or -G03	$133
LL816G02 or -G03	$161
LL820G02 or -G03	$185
LL510G04 or -G05	$381
LL516G04 or -G05	$475
LL520G04 or -G05	$538
LL810G04 or -G05	$466
LL816G04 or -G05	$576
LL820G04 or -G05	$651

FANS:

Rotron **“Muffin”** or equivalent: 4.71" (120 mm) square, 2 lbs. $32.
A = 115 Volt: P/N 100237-02
B = 230 Volt: P/N 100237-03
Finger guard (P/N 101467): $2.15.

Rotron **"Muffin XL"** or equivalent: 4.71" (120 mm) square, 1.3 lbs. $37.
D = 115 Volt: P/N 102076
E = 230 Volt: P/N 102076-01
Finger guard (P/N 101467): $2.15.

Rotron **"Patriot"** or equivalent. 6.75" (171.5 mm) round, 2 lbs. $76.
F = 115 Volt: P/N 101116-01
G = 230 Volt: P/N 101116-02
Finger guard (P/N 101116-03): $6.50.

Rotron **"Falcon"** or equivalent: 6.75" (171.5 mm) square, 1.8 lbs. $104.
H = 115 Volt: P/N 102070-01
J = 230 Volt: P/N 102070-02
Finger guard (P/N 101116-03): $6.50.

Rotron **"Tarzan"** or equivalent. 6.91" (175 mm) square, 5.0 lbs. $108.
K = 115 Volt: P/N 101578-01
L = 230 Volt: P/N 101578-02
Finger guard (P/N 101741): $8

Rotron **"Caravel"** or equivalent. 10.0" (254.0 mm) round, 6.5 lbs. $82.
M = 115 Volt: P/N 100236-01
N = 230 Volt: P/N 100236-02
Finger guard (P/N 101434): $8.

EBM 8.5 or equivalent: 8.85" (225 mm) square, 4.4 lbs. $160.
P = 115 Volt: P/N 102105-01
Q = 230 Volt: P/N 102105-03
Adapter Ring required (P/N 508520): $17.
Finger guard (P/N 102106): $34.

Fan plug for A, B, D, E, F, G, H, J, K, L, M, N (P/N 101466): $3.
Fan plug for P, Q (P/N 102175): $3.

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COLD PLATES:

		Mounting Surface	Tube	Fitting Style	Unit Price
2 Pass CP's: 1/2" Aluminum Plate with Press-Lock .375" Dia Tube (Thru holes & taps ok)	**CP10G01**	3.5" x 6"	Cu	Straight	$29
	CP10G02	3.5" x 6"	Cu	Beaded	$35
	CP10G03	3.5" x 6"	SS	Straight	$38
	CP10G04	3.5" x 6"	SS	Beaded	$44
	CP10G05	3.5" x 12"	Cu	Straight	$41
	CP10G06	3.5" x 12"	Cu	Beaded	$46
	CP10G07	3.5" x 12"	SS	Straight	$69
	CP10G08	3.5" x 12"	SS	Beaded	$75
4 Pass CP's: 1/2" Aluminum Plate with Press-Lock .375" Dia Tube (Thru holes & taps ok)	**CP10G14**	3.5" x 6"	Cu	Straight	$65
	CP10G15	3.5" x 6"	Cu	Beaded	$71
	CP10G16	3.5" x 6"	SS	Straight	$74
	CP10G17	3.5" x 6"	SS	Beaded	$80
	CP10G18	3.5" x 12"	Cu	Straight	$76
	CP10G19	3.5" x 12"	Cu	Beaded	$82
	CP10G20	3.5" x 12"	SS	Straight	$105
	CP10G21	3.5" x 12"	SS	Beaded	$111
6 Pass CP's: .30" Aluminum Plate with Press-Lock .250" Dia Tube (Thru holes & taps ok)	**CP15G01**	3.75" x 6"	Cu	Straight	$91
	CP15G02	3.75" x 6"	Cu	Beaded	$97
	CP15G05	3.75" x 12"	Cu	Straight	$104
	CP15G06	3.75" x 12"	Cu	Beaded	$110
Extended Surface: Aluminum (No thru holes, no taps)	**CP20G01**	2" X 2"	Al	U Straight	$92
	CP20G02	2" X 2"	Al	U Beaded	$98
	CP20G03	2" X 2"	Al	Z Straight	$92
	CP20G04	2" X 2"	Al	Z Beaded	$98
Vacuum Brazed: Aluminum (Blind taps ok, no thru holes)	**CP30G01**				$399

Ordering Information

Our sales department is available between 8 am and 5 pm, Eastern Standard Time.

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web: www.Lytron.com

Mastercard and Visa orders are gladly accepted.