

"D" Series Air Cooled Chillers

Single Pass and Self-Contained, Recirculating Chiller Systems

Capacities 2 through 20 Nominal Tons (Based on 55°F Fluid)

Suitable for Medium and High Temperature Fluids 40°F to 70°F



Air Cooled "D" Series Chillers Introduction

The ArctiChill "D" Series Chillers are commercial grade, economically priced, and intended for high temperature (+40°F to +70°F) applications. Fluid cooling below +40°F may be accomplished with close supervision of the process and with the use of glycol solutions. The "D" Series Chillers are extremely dependable and reliable chilling units that have been a mainstay of the ArctiChill product line for 15 years. There are over 5,000 of these chillers in use every day, in all climates, and when properly applied will provide many years of trouble free service.

ArctiChill only makes the "D" Series in air cooled condensing suitable for either indoor or outdoor installations. The controls are simple, and the number of options is limited. Recommended ambient air temperatures should not be less than +20°F, as fan cycling is the standard means of head pressure regulation. Design high ambient is 95°F.

There are two configurations available: *Single Pass Chillers* and *Recirculating, Self Contained Systems*. The latter feature integral epoxy coated steel tanks and stainless steel centrifugal process pumps within the cabinet. The single pass chillers may be installed in tandem as modular units to make larger systems. Each "module" then, is completely independent as it has its own power connection, 24 vac control circuit, and the compressor is temperature cycled.

The refrigeration section of the "D" Series Chillers is a Lennox condensing unit with high EER and energy efficiency ratings. The 3 and 5 ton models use hermetic reciprocating compressors, and the 6 through 10 ton compressors use hermetic scroll compressors. 15 and 20 ton models use dual scroll compressors in independent circuits. All compressors carry a limited 5 year warranty.

The "D" Series is engineered for serviceability and minimal down time. The cabinet designs and universal component availability are favorable to this end. These chillers are manufactured from the finest name brand components, which are readily available locally from refrigeration wholesalers.

Additional Standard Features Self Contained, Recirculating Systems

Recirculating systems are self-contained packaged chillers with a tank and pump(s) plumbed and wired within the same cabinet enclosure. The customer benefits from a factory engineered and matched component system for optimum performance for his application.

Reservoirs

Tanks are constructed of carbon steel and are epoxy coated for years of trouble free corrosion resistance. Tanks are insulated to eliminate condensation and minimize thermal absorption. A tank level sight gauge is extended to the cabinet exterior for convenient monitoring of tank level. A manual fill port is also included, and is panel mounted on the cabinet exterior. A shut off valve is located in the tank suction line from the tank for component isolation of tanks and pumps on recirculating system chillers. This unit includes a fixed bypass to prevent the pump from deadheading.

Pumps

Stainless steel centrifugal pumps; are painted as an enhanced feature to provide corrosion free service life. Motors are single phase in 2 through 7.5 ton; three phase in 10 ton and up.

Air Cooled "D" Series Standard Features, All Models

Cabinet Assembly

3 through 5 ton have all aluminum, reinforced sheet metal base cabinet and frame of mill finished aluminum; 6 through 20 ton have welded steel frame base covered by mill finished aluminum panels; all cabinets have easy open access panels for service convenience.

Controls and Safeties

Electronic, digital temperature controller, water flow safety switch, manual reset high and auto reset low refrigeration pressure safeties; fan cycling head pressure control, compressor anti-short-cycle delay timer; control circuit on/off switches for service convenience.

Electrical

Power supply choices include 208-230/50 or 60 hz., three phase; 460/60/3, 575/60/3, 380/50/3. All control circuits are 24 vac furnished by a control transformer; single point electrical connection with cabinet earth ground lug; all weather, integral electrical panel.

Refrigeration

R-410A, single refrigeration circuit on 3 through 10 ton; dual refrigeration circuits on 15 and 20 ton models; liquid line filter drier, sight glass, externally equalized thermal expansion valves on each circuit.

Air Cooled Condensing Units

Lennox brand, commercial grade condensing unit with hermetic scroll compressors, featuring internal motor overloads and crankcase heaters. Condenser coils include rifled copper tubing with mechanically bonded aluminum fins and integral sub-cooling, designed for 100% system capacity in 95°F ambients; totally enclosed all weather fan motors with internal overload protection; aluminum fan blades, dynamically and statically balanced, set into deep venturis.

Evaporators

Evaporators are coaxial type with convoluted copper tubing and a steel outer shell. Heat exchangers are U.L., ARI listed and/or rated. All heat exchangers are tested to 450 psi refrigerant side and 300 psi water side.

Refrigeration Piping

Refrigeration grade rigid copper tubing; suction lines are insulated with closed cell insulation against condensation.; charging ports furnished on liquid and suction lines. Service valves are provided for compressor isolation.

Water Piping

Heavy grade copper tubing on all pressure lines. Drains, fills and other non-pressure water lines are nylon braided tubing.

Warranty

One year limited parts warranty Five year limited compressor warranty from Lennox

Laboratory Listings

ETL

MEA# 386-92-E

Certified Specifications

Standard specification is subject to change without notice due to ArctiChill's commitment to quality leadership standards. Consult engineering to obtain a certified specification.

Air Cooled "D" Series Options and Accessories

Indicators

- Liquid filled refrigeration pressure gauges (suitable for ambients from +20° F to +130° F only)
- Inlet and outlet temperature gauges
- Pump outlet fluid pressure gauge

Reservoirs

- Multiple tanks (Shipped loose for modular systems)
- Remote tank and pump modules

Pumps

• Upgraded pumps for large systems and long piping runs

Optional Warranty

- Extended parts and labor warrantiy with guaranteed emergency service response
- Startup by factory authorized technician
- Periodic maintenance services

Cabinets

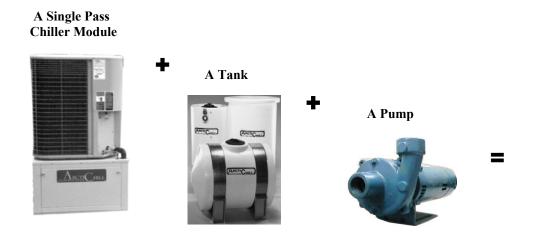
- Stainless steel cabinet panels
- Painted cabinets

Modular Chiller System

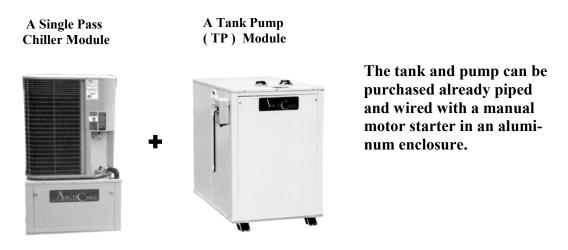
The modular system includes a single pass chiller module, a tank, and a pump or tank/pump unit. All the refrigeration work is completed and tested at the factory.

Installation requires connecting the two or three components together with water piping, connecting the electrical, and applying power. One, two, three, or more single pass chiller modules may be piped in tandem (parallel) with a single tank and pump to make up a large system.

Systems may be expanded easily by the addition of more chiller units and sizing the pump for the additional flow. A modular system can grow with your needs.



A Modular Chilling System



Air Cooled "D" Series Single Pass Chiller Modules

Electrical Data

				Compress	ors	Fan Motors			Tot	tal Syste	em
Model Number	Power Supply	Rated Tons	Qty	LRA Amps (ea.)	FLA Amps (ea.)	Qty	Fan HP	FLA Amps (ea.)	FLA Amps	Min Ckt	Max Fuse
DACVMV0020S1	208/60/1	2.0	1	60	10.8	1	1/6	1.1	13.9	17	25
DACVMV0030S1	208/60/1	3.0	1	100	21.1	1	1/6	1.1	24.2	30	50
DACVMV0030S3	230/60/3	3.0	1	77	10.3	1	1/6	1.1	13.4	16	25
DACVMV0030S4	460/60/3	3.0	1	39	5.1	1	1/6	.55	7.6	15	15
DACVMV0050S1	208-230/60/1	5.0	1	169	28.8	1	1/3	1.9	32.7	40	60
DACVMV0050S3	208-230/60/3	5.0	1	137	17.3	1	1/3	1.9	21.2	26	40
DACVMV0050S4	460/60/3	5.0	1	62	9.0	1	1/3	0.7	11.7	15	20
DACVMV0060S3	208-230/60/3	6.0	1	156	18.6	1	1/2	3.0	23.6	28	45
DACVMV0060S4	460/60/3	6.0	1	75	9.0	1	1/2	1.5	12.5	15	20
DACVMV0075S3	208-230/60/3	7.5	1	195	28.8	1	1/2	3.0	33.8	41	60
DACVMV0075S4	460/60/3	7.5	1	95	14.7	1	1/2	1.5	18.2	22	35
DACVMV0100S3	208-230/60/3	10.0	1	239	37.8	2	1/3	2.4	44.6	55	90
DACVMV0100S4	460/60/3	10.0	1	125	17.2	2	1/3	1.3	21.8	27	40
DACVMV0150D3	208-230/60/3	15.0	2	195	28.8	4	1/3	2.4	69.2	77	100
DACVMV0150D4	460/60/3	15.0	2	95	14.7	4	1/3	1.3	36.6	41	50
DACVMV0200D3	208-230/60/3	20.0	2	239	37.8	4	1/3	2.4	87.2	97	125
DACVMV0200D4	460/60/3	20.0	2	125	17.2	4	1/3	1.3	41.6	46	60

Physical Data

Model	Rated	Dime	mensions (in)		Shipping	Conn	ipe ections n.)	
Number	Tons	W	D	Н	Wt. lbs	In	Out	
DACVMV0020S_	2.0	25	25	45	400	3/4	3/4	
DACVMV0030S_	3.0	25	25	53	500	3/4	3/4	
DACVMV0050S_	5.0	25	25	53	650	1	1	
DACVMV0060S_	6.0	36	50	36	850	1-1/4	1-1/4	
DACVMV0075S_	7.5	36	50	42	850	1-1/4	1-1/4	
DACVMV0100S_	10.0	36	60	49	1100	1-1/4	1-1/4	
DACVMV0150D_	15.0	60	67	88	1450	2	2	
DACVMV0200D_	20.0	60	67	88	1550	2	2	

Air Cooled "D" Series Tank & Pump Cabinet Units

Electrical Data (For use with chiller on preceding page)

Model Number	Pump (H.P.)	Power Supply	Pump FLA	Min Ckt	Max Fuse
TP00551010	1.0	208/230/1	6.5	15	15
TP00558010	1.0	115/1	13	16	25
TP00553010	1.0	208/230/3	3.2	15	15
TP00554010	1.0	460/3	1.8	15	15
TP00551015	1.5	208/230/1	6.3	15	20
TP00558015	1.5	115/1	19	24	40
TP00553015	1.5	208/230/3	4.8	15	15
TP00554015	1.5	460/3	2.4	15	15
TP00551020	2.0	208/230/1	11	15	25
TP00558020	2.0	115/1	22	28	50
TP00553020	2.0	208/230/3	5.6	15	15
TP00554020	2.0	460/3	2.8	15	15
TP01101020	2.0	208/230/1	11	15	25
TP01108020	2.0	115/1	22	28	50
TP01103020	2.0	208/230/3	5.6	15	15
TP01104020	2.0	460/3	2.8	15	15
TP01103030	3.0	208/230/3	8.9	15	20
TP01104030	3.0	460/3	4.2	15	15
TP01653030	3.0	208/230/3	8.9	15	20
TP01654030	3.0	460/3	4.2	15	15
TP01653050	5.0	208/230/3	13.4	17	30
TP01654050	5.0	460/3	7.0	15	15
TP01653075	7.5	208/230/3	19.4	24	40
TP01654075	7.5	460/3	9.7	15	20

Physical Data

	Max	Tank	Dimensions			v C	Shipping		
Model Number	Pump (gpm)	Cap. (gal)	D	w	Н	Water Inlet	Water Outlet	Drain Outlet	Wt. (Lbs.)
TP0055	15	55	44	30	42	1 1/4"	1 1/4"	3/4"	140
TP0110	15	110	58	38	48	2"	2"	3/4"	220
TP0160	18	165	36	60	77	2"	2"	3/4"	230



Self-Contained, Recirculating (Package) Chiller Systems

A chiller that contains the entire refrigeration system, a tank for thermal efficiency, and a process pump to circulate the cooling medium. The entire assembly is designed to perform efficiently, and optimally.

Installation is simplified because it requires only single point electrical connection and the chilled water in and out pipe connections. These chillers may be placed inside or outside. Due to the limitations of fan cycling head pressure controls, they are not recommended outside in climates where the ambient temperatures drop below 20°F.



Air Cooled "D" Series Recirculating Chiller Systems

Electrical Data

			(Compress	ors	Fan Motors			Pump Motors		Total System		
Model Number	Power Supply	Rated Tons	Qty	LRA Amps (ea.)	RLA Amps (ea.)	Qty	Fan HP	FLA Amps (ea.)	НР	FLA Amps	FLA Amps	Min Ckt	Max Fuse
DACVPV0020S1	208/60/1	2.0	1	60	10.8	1	1/6	1.1	1.0	6.5	20.4	24	30
DACVPV0030S1	208/60/1	3.0	1	100	21.1	1	1/6	1.1	1.0	6.5	30.7	36	50
DACVPV0030S3	208-230/60/3	3.0	1	77	10.3	1	1/6	1.1	1.0	6.5	19.9	22	30
DACVPV0030S4	460/60/3	3.0	1	39	5.1	1	1/6	0.6	1.0	1.6	9.3	15	15
DACVPV0050S1	208-230/60/1	5.0	1	169	28.8	1	1/3	1.9	1.5	10.3	43.0	51	70
DACVPV0050S3	208-230/60/3	5.0	1	137	17.3	1	1/3	1.9	1.5	10.3	31.5	36	50
DACVPV0050S4	460/60/3	5.0	1	62	9.0	1	1/3	1.0	1.5	2.4	14.4	17	25
DACVPV0060S3	208-230/60/3	6.0	1	156	18.6	1	1/2	3.0	1.5	10.3	33.9	39	50
DACVPV0060S4	460/60/3	6.0	1	75	9.0	1	1/2	1.5	1.5	2.4	14.9	18	25
DACVPV0075S3	208-230/60/3	7.5	1	195	28.8	1	1/3	3.0	1.5	10.3	44.1	52	80
DACVPV0075S4	460/60/3	7.5	1	95	14.7	1	1/3	1.5	1.5	2.4	20.6	25	35
DACVPV0100S3	208-230/60/3	10.0	1	239	37.8	2	1/3	2.4	2.0	6.0	50.6	61	90
DACVPV0100S4	460/60/3	10.0	1	125	17.2	2	1/3	1.3	2.0	2.8	23.3	28	40
DACVPV0150D3	208-230/60/3	15.0	2	195	28.8	4	1/3	2.4	3.0	8.9	78.1	86	110
DACVPV0150D4	460/60/3	15.0	2	95	14.7	4	1/3	1.3	3.0	4.2	40.8	45	50
DACVPV0200D3	208-230/60/3	20.0	2	239	37.8	4	1/3	2.4	3.0	8.9	96.1	106	125
DACVPV0200D4	460/60/3	20.0	2	125	17.2	4	1/3	1.3	3.0	4.2	45.8	51	60

Physical Data

Model	Rated	Dime	nsion	s (in)	Ship Wt.	Conne	pe ections n)	Max Pump (gpm) 6 9 15	Tank Capacity
Number	Tons	D	W	Н	lbs	In	Out		(gal)
DACVPV0020S_	2.0	36	34	64	400	3/4	3/4	6	25
DACVPV0030S_	3.0	36	34	72	425	3/4	3/4	9	25
DACVPV0050S_	5.0	36	34	72	650	1	1	15	40
DACVPV0060S_	6.0	50	36	73	850	1-1/4	1-1/4	18	40
DACVPV0075S_	7.5	50	36	79	900	1-1/4	1-1/4	22	40
DACVPV0100S_	10.0	60	36	84	1100	1-1/4	1-1/4	30	50
DACVPV0150D_	15.0	67	60	88	1800	2	2	45	100
DACVPV0200D_	20.0	67	60	88	2000	2	2	60	100

Additional Standard Features Split System, Recirculating Chillers

Split system chillers are two piece systems; an indoor tank and pump unit with chiller evaporator and controls, and an outdoor refrigeration condensing unit. Installation of this system requires the customer to connect the refrigeration lines between the indoor and outdoor units together.

This work must be accomplished with a qualified, licensed refrigeration or air conditioning technician. Systems 5 tons and less may be connected within 25 feet with precharged soft copper tubing assemblies. These will have self-sealing unions.

All standard and optional features for the split systems are the same as on the packaged, recirculating systems.



Indoor Unit containing the Tank, pump, and chiller coil with control panel



Outdoor condensing

Cooled "D" Series Split System, Recirculating Chillers

Indoor Chiller Unit

					Physic	al Data					I	Electrica	l	
				d Water ections		gerant tions (in)		mensio Inches			ump otors		al Chil r Requ	
Model Number	Rated Tons	Power Supply	Water In	Water Out	Liquid Line	Suction Line	w	D	Н	НР	FLA Amps	FLA Amps	Min Ckt	Max Fuse
DACRPV0020S1	2.0	208/60/1	3/4	3/4	3/8	5/8	34	36	39	1.0	6.9	8.9	15	15
DACRPV0030S1	3.0	230/60/1	3/4	3/4	3/8	3/4	34	36	39	1.0	6.5	8.5	15	15
DACRPV0030S3	3.0	208/230/60/3	3/4	3/4	3/8	3/4	34	36	39	1.0	6.5	8.5	15	15
DACRPV0030S4	3.0	460/60/3	3/4	3/4	3/8	3/4	34	36	39	1.0	1.8	3.8	15	15
DACRPV0050S1	5.0	230/60/1	1	1	3/8	1-1/8	34	36	39	1.5	9.8	11.8	15	20
DACRPV0050S3	5.0	208/230/60/3	1	1	3/8	1-1/8	34	36	39	1.5	9.8	11.8	15	20
DACRPV0050S4	5.0	460/60/3	1	1	3/8	1-1/8	34	36	39	1.5	2.4	4.4	15	15
DACRPV0060S3	6.0	208/23060/3	1-1/4	1-1/4	5/8	1-1/8	34	36	39	1.5	9.8	11.8	15	20
DACRPV0060S4	6.0	460/60/3	1-1/4	1-1/4	5/8	1-1/8	34	36	39	1.5	2.4	4.4	15	15
DACRPV0075S3	7.5	208/230/60/3	1-1/4	1-1/4	5/8	1-3/8	34	36	39	1.5	9.8	11.8	15	20
DACRPV0075S4	7.5	460/60/3	1-1/4	1-1/4	5/8	1-3/8	34	36	39	1.5	2.4	4.4	15	15
DACRPV0100S3	10.0	208/230/60/3	1-1/4	1-1/4	5/8	1-3/8	34	48	42	2.0	6.0	8.0	15	20
DACRPV0100S4	10.0	460/60/3	1-1/4	1-1/4	5/8	1-3/8	34	48	42	2.0	2.8	4.8	15	15
DACRPV0150D3	15.0	208/230/60/3	2	2	(2) 5/8	(2) 1-3/8	34	60	61	3.0	8.9	10.9	15	20
DACRPV0150D4	15.0	460/603	2	2	(2) 5/8	(2) 1-3/8	34	60	61	3.0	4.2	6.2	15	15
DACRPV0200D3	20.0	208/230/60/3	2	2	(2) 5/8	(2) 1-3/8	34	60	61	3.0	8.9	10.9	15	20
DACRPV0200D4	20.0	460/60/3	2	2	(2) 5/8	(2) 1-3/8	34	60	61	3.0	4.2	6.2	15	15

Model Size	Shipping Weight	Operating Weight
3 Ton	500	700
5 Ton	650	1000
6 Ton	700	1050
7.5 Ton	700	1050
10.0 Ton	1100	1500
15 Ton	1450	2300
20 Ton	1550	2400

Air Cooled "D" Series Split System, Recirculating Chillers

Outdoor Condensing Unit

				P	hysica	ıl Data					Ele	ctrica	l Data			
		Dir	nensi (in)	ons	Ship Wt.	Refrigerant Cnnections (in)			ompress	or(s)	F	an Mo	tors	Total	l Electr	rical
Cap (Tons)	Power Supply	D	w	Н	lbs	Liquid	Suction	Qty	LRA Amps Ea.	RLA Amps Ea.	Qty	Н.Р. Еа.	FLA Amps Ea.	FLA Amps	Min Ckt	Max Fuse
2.0	208/230/60/1	24	24	27	145	3/8	5/8	1	60	10.8	1	1/6	1.1	13.9	17	25
3.0	208/230/60/1	24	24	35	148	3/8	3/4	1	100	21.1	1	1/6	1.1	22.1	27	45
3.0	208/230/60/3	24	24	35	148	3/8	3/4	1	77	10.3	1	1/6	1.1	11.4	15	20
3.0	460/60/3	24	24	35	148	3/8	3/4	1	39	5.1	1	1/6	0.6	5.7	15	15
5.0	208/230/60/1	24	24	35	212	3/8	1-1/8	1	169	28.8	1	1/3	2.4	31.0	39	60
5.0	208/230/60/3	24	24	35	212	3/8	1-1/8	1	13.7	17.3	1	1/3	2.4	19.4	24	40
5.0	460/60/3	24	24	35	212	3/8	1-1/8	1	62	9.0	1	1/3	1.3	10.3	15	20
6.0	208/230/60/3	36	50	36	354	5/8	1-1/8	1	156	18.6	1	1/2	3.0	21.6	27	40
6.0	460/60/3	36	50	36	354	5/8	1-1/8	1	75	9.0	1	1/2	1.5	10.5	13	20
7.5	208/230/60/3	36	50	42	427	5/8	1-3/8	1	195	28.8	1	1/2	3.0	33.8	41	60
7.5	460/60/3	36	50	42	427	5/8	1-3/8	1	95	14.7	1	1/2	1.5	18.2	21	35
10.0	208/230/60/3	34	60	49	555	5/8	1-3/8	1	239	32.8	2	1/3	2.4	42.6	53	90
10.0	460/60/3	34	60	49	555	5/8	1-3/8	1	125	17.2	2	1/3	1.3	19.8	25	40
15.0	208/230/60/3	60	65	50	968	(2) 5/8	(2) 1-3/8	2	195	28.8	4	1/3	6.4	69.2	77	100
15.0	460/60/3	60	65	50	968	(2) 5/8	(2) 1-3/8	2	95	14.7	4	1/3	1.3	36.6	41	50
20.0	208/230/60/3	60	65	50	1096	(2) 5/8	(2) 1-3/8	2	239	32.8	4	1/3	2.4	85.2	95	125
20.0	460/60/3	60	65	50	1096	(2) 5/8	(2) 1-3/8	2	125	17.2	4	1/3	1.3	39.6	44	60

Glycol Adjustment Factors

Propylene Glycol

Leaving	3	0%	4	0%		50%	
Temperature Degrees F	Capacity Factor	Pressure Drop Factor	Capacity Factor	Pressure Drop Factor	Capacity Factor	Pressure Drop Factor	
20	-	-	0.80	1.74	0.74	2.07	
30	0.92	1.39	0.87	1.63	0.82	1.94	
40	0.93	1.36	0.89	1.55	0.85	1.83	
45	0.94	1.35	0.90	1.53	0.87	1.81	
50	0.94	1.33	0.91	1.51	0.88	1.75	
55	0.95	1.31	0.92	1.50	0.89	1.73	
60	0.95	1.31	0.92	1.47	0.90	1.68	
70	0.96	1.27	0.93	1.43	0.91	1.63	
Minimum leaving fluid temperature	2	5°F	1	0°F	-10°F		
Minimum ambient	1	0°F		4°F	-20°F		

Ethylene Glycol

Leaving	3	0%	4	0%		50%	
Temperature Degrees F	Capacity Factor	Pressure Drop Factor	Capacity Factor	Pressure Drop Factor	Capacity Factor	Pressure Drop Factor	
20	0.92	1.39	0.89	1.61	0.86	1.86	
30	0.96	1.34	0.93	1.53	0.90	1.78	
40	0.96	1.33	0.94	1.52	0.92	1.74	
45	0.96	1.33	0.94	1.51	0.93	1.72	
50	0.96	1.31	0.95	1.49	0.93	1.69	
55	0.96	1.31	0.95	1.47	0.94	1.67	
60	0.97	1.31	0.96	1.47	0.94	1.65	
70	0.97	1.27	0.96	1.49	0.95	1.62	
Minimum leaving fluid temperature	2	0°F		5°F		-15°F	
Minimum ambients	nbients 5°F;			9°F	-28°F		

The ArctiChill Exclusive "Value Added" Relationship

Engineering is where it begins. Your first contact will be with one of our expert independent field representatives or a factory sales and applications engineer. We want to be sure you are guided toward a product selection that fits the exact performance specification you require for your process. ArctiChill will match your requirement with the best product for the price, from our standard catalog, or one that is designed for you.

ArctiChill Customer Service Representatives are specialists at keeping track of your order once it is initiated and scheduled for production. There will be a CSR assigned to making sure you get personal attention and frequent communication regarding your order. Their goal is to give you that warm, secure feeling that comes from being kept informed by people that care about you and your business. They are here to serve you and you may call them any time you have a question.

ArctiChill skilled production teams, in frame fabrication and cabinet assembly and component installation; water and refrigeration piping; electrical panel construction, installation and wiring; tests, checks, and balance; and final cleaning, labeling and crating, perform every phase of the process as if they are working for a "special" customer.

ArctiChill's Quality Control Supervisor makes sure your equipment is built according to the engineering design, and when completed, is thoroughly tested and calibrated to ensure that it performs to specification.

Startup of your ArctiChill chiller system can be performed by one of ArctiChill's 3,000 factory-trained technicians. Wherever you are located we have an independent, certified contractor or will locate one for you. Our mission is to provide the level of service you need to keep your business running at top speed. We know you depend on your chilling system to keep you cool and that is why you need the ArctiChill team of process cooling experts working for you.

Free lifetime technical support via telephone, fax, and email is included with every system. The highly skilled, ArctiChill technical support team provides technical assistance for the life of the equipment. We are committed to providing you with the resources to minimize downtime and get you back on line.

ArctiChill optional extended service programs are available in several formats ranging from routine, periodic maintenance only to a 100% parts and labor warranty with 24/7 emergency service, four hour on-site response. ArctiChill is famous for providing dependable service in addition to dependable cooling systems. We maintain hundreds of critical care MRI, CT, and cancer treatment facilities nationwide. Important military and civilian facilities depend on ArctiChill.



Chiller Warranty

Parts Warranty All parts are guaranteed to be free of defects in material and workmanship for 12 months from date of start-up or 13 months from the date of shipment, whichever occurs first. Hermetic compressors are guaranteed to be free of defects in material and workmanship for 60 months from date of original purchase. Semi-hermetic compressors are guaranteed to be free of defects in material and workmanship for 12 months from date of start-up or 13 months from the date of shipment, whichever occurs first. An optional 5 year compressor warranty or a one year labor warranty may be purchased for an additional minimal fee. The decision to repair or replace the part resides solely with ArctiChill. ArctiChill will not reimburse the customer if the part or component is purchased through another vendor. All warranty claim must be processed through ArctiChill.

Parts Failure Not Covered To be covered, the part or component failure must be a result of manufacturing defect or normal wear and tear. Parts that fail due to causes external to the chiller, such as improper installation, electrical supply problems, leaking of broken pipes, poor water quality, failure to maintain clean filters, contractor or owner negligence, etc., are not covered by this warranty.

Glycol Replacement glycol, the labor to add glycol to the chiller and chiller damage resulting from improper freeze protection are not covered by the chiller warranty.

Policy For Hiring Independent Service Contractors ArctiChill will hire independent service contractors to provide service for equipment under warranty at our discretion. ArctiChill may or may not hire a service contractor to perform service, start-ups, or repairs that is owned by, associated with, or influenced by the sales representative, to avoid conflicts of interest, and disputes over quality of services or other issues. ArctiChill is most interested in avoiding such issues and conflicts from adversely affecting its relationship with the sales representative.

Rates and Terms The terms and rates for the services of the contractor must be established before issuing a purchase order for any service. The various rates charged for travel, service call(s), overtime, and any other separate rate charge must be on file and approved as reasonable. The contractor's workmanship guarantee and policy for repeat calls for the same problem(s) must be recorded. ArctiChill is not inclined to be favorable toward a contractor who is not thorough the first time.

To Make A Warranty Claim All warranty claims must be processed through ArctiChill and all parts returned for credit must have a repair authorization number. To make a warranty claim, contact the service department at 803-321-0779 from 8:00 a.m. until 5:00 p.m. (eastern time), Monday through Friday. ArctiChill will issue a RMA number. The RMA number must be clearly marked on the outside packaging or else the package will be refused.

Freight and Handling The customer is responsible for freight and handling charges to ArctiChill along with the outbound freight and handling charges. Parts shipped to ArctiChill freight collect will be refused. Warranty components will be shipped to the customer freight collect.

Payment terms Parts will be sent open account only if the recipient or dealer is on open account status with ArctiChill for equipment purchases. ArctiChill accepts VISA, Mastercard and American Express.





200 Park Avenue • P.O. Box 717 • Newberry, SC 29108 • Phone: 803-321-1891 • Fax: 803-321-1898 Sales Toll Free: 800-849-7778 • E-Mail: chiller@arctichill.com • Visit Us At: www.arctichill.com