Titanium Cold Plunge Pool Chiller

Standard Features

- U.L. Listed, and EPA Compliant, Low GWP condensing unit complies with latest codes
- Single refrigeration circuit with separate and independent thermostat controls and safeties
- Air cooled, high ambient, vertical discharge condensers rated from 10°F to 100°F ambient temperatures
- Suitable for outdoor installation only (for areas that maintain outdoor temperatures above freezing)
- Weather proof electrical panel with single point power connection
- Control circuit with component sequenced terminal strip for easy troubleshooting
- One stage of compressor control with digital, electronic thermostat
- Controller mounted on chiller with ON/OFF Switch, electronic thermostat and Low Water Flow light
- Titanium coaxial heat exchanger (s)
- Externally equalized thermal expansion valve (s) with filter drier and sight glass
- Non ferrous water lines with FPT connections and insulated with 1/2” closed cell insulation
- Water flow safety switch locks out compressor on low flow to evaporator
- Powder coated cabinet
- Warranty: One (1) years limited parts, five (5) years limited compressor warranty
- Systems leak checked, pressure tested, and run tested under load prior to shipment.

Options & Accessories

- Split system for outdoor condenser installation (for areas that have outdoor temperatures below freezing).
- Condenser coil coating for corrosion protection in coastal areas
- Remote temperature controller
- Castors for portability
- Other voltages and options available upon request
- Factory technician for startup, training & service

AMERICANCHILLERS
& Cooling Tower Systems

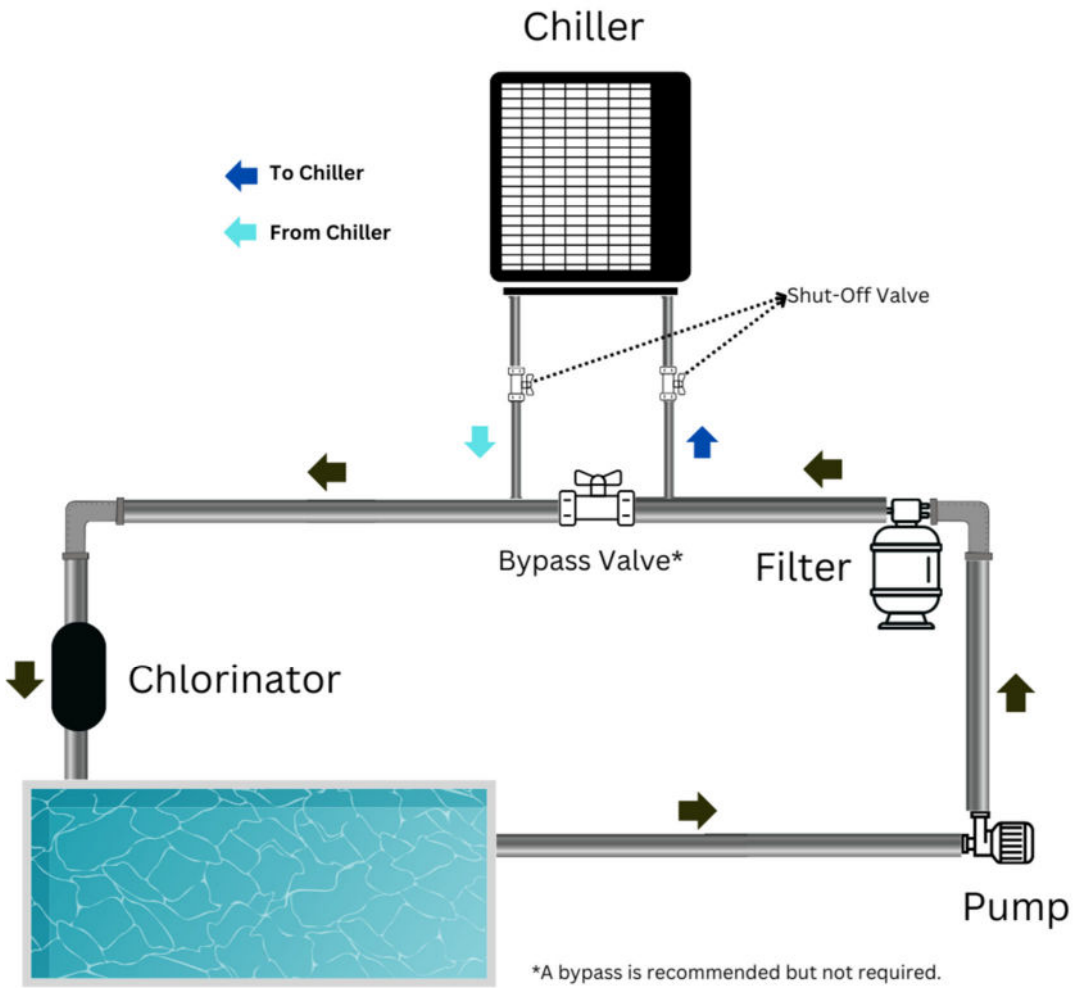
1.5 – 7.5 Tons
SPPCTI-A2L Series

Plunge Pool Chiller Sizing Guide			
Pool Volume (Gallons)	**Chiller Capacity**	**Chiller H.P @ 50F LWT**	**Chiller H.P. @ 40F LWT**
100 to 300	1 Ton	1.0	1.5
300 to 450	1-1/2 Ton	1.5	2.0
450 to 650	2 Ton	2.0	2.5
650 to 950	3 Ton	3.0	3.5
950 to 1,200	4 Ton	4.0	5.0
1,200 to 1,500	5 Ton	5.0	6.0
1,500 to 2,000	6 Ton	6.0	7.0
2,000 to 2,700	7 Ton	7.0	7.5
2,700 to 3,500	10 Ton	10.0	10.0

Consider Upsizing Chiller If…

- Piping runs are long, uninsulated or run under heated floors.
- Filter system adds heat
- Pool is used for long durations or repeatedly with minimum recovery time between usage.
- Pool is used for full body immersion
- Pool is in an outdoor or warm location
- Pool will be turned on/off with limited cool down period (may significantly increase chiller size - consult factory).

Our clients include many professional sports teams like the Oklahoma City Thunder, Denver Nuggets and Chicago Bears plus spa's, cruise ships and residences.



SPPC TI-R02 Series

General Data

Model (SPPC****TI-R02)		0151	0201	0301	0401	0501
Nominal Tons Cooling		1.5	2	3	4	5
Refrigerant		R32	R32	R32	R32	R32

Electrical Data

Supply Power	Voltage	208-230	208-230	208-230	208-230	208-230
	Phase	1	1	1	1	1
	Frequency (Hz)	60	60	60	60	60
Compressor	Quantity	1	1	1	1	1
	Rated Load Amps (RLA)	6.5	8.2	13.4	19.4	23.9
	Locked Rotor Amps (LRA)	32.7	41.2	83.3	127.7	148.0
Fan Motor	Quantity	1	1	1	1	1
	Full Load Amps (FLA)	0.7	0.7	1.0	1.0	2.6
Total Circuit	Full Load Amps (FLA)	7.2	8.9	14.4	20.4	26.5
	Min Circuit Ampacity (MCA)	9	11.1	18	25.4	33.1
	Max Overcurr. Protect. (MOP)	15	15	30	40	50

Physical Data

Unit Size (in)	Length (L)	30	30	34	40	40
	Width (W)	26	26	30	36	36
	Height (H)	43	43	68.5	67	70
Weight (lb)	Operating	520	550	628	770	957
	Ship	470	500	576	720	907
Air Clearance Required (in)	Sides	12	12	12	12	12
	Service	18	18	18	18	18
	Top	60	60	60	60	60
Connection (in)	Water (FPT)	1.5	1.5	2	2	2
Flow Rate (GPM)	Maximum Flow Rate	40	40	55	55	75
	Minimum Flow Rate	20	20	25	25	50

*Specs are subject to change without notice.
For outdoor installation only

SPPC TI-R03 Series

General Data

Model (SPPC****TI-R03)		0303	0403	0503	0753
Nominal Tons Cooling		3	4	5	7.5
Refrigerant		R454B	R454B	R454B	R454B

Electrical Data

Supply Power	Voltage	208-230	208-230	208-230	208-230
	Phase	3	3	3	3
	Frequency (Hz)	60	60	60	60
Compressor	Quantity	1	1	1	1
	Rated Load Amps (RLA)	9	12	16	26.6
	Locked Rotor Amps (LRA)	70	123	156.4	191
Fan Motor	Quantity	1	1	1	2
	Full Load Amps (FLA)	0.8	1	1	1.5
Total Circuit	Full Load Amps (FLA)	9.8	13	17	29.6
	Min Circuit Ampacity (MCA)	12.3	16.3	21.3	37.0
	Max Overcurr. Protect. (MOP)	20	25	35	60

Physical Data

Unit Size (in)	Length (L)	34	34	40	59.3
	Width (W)	34	34	36	46
	Height (H)	59	69	79	42.5
Weight (lb)	Operating	571	682	886	1030
	Ship	521	632	836	980
Air Clearance Required (in)	Sides	12*	12*	12*	39
	Service	24	24	24	42
	Top	60	60	60	60
Connection (in)	Water (FPT)	2	2	2	2
Flow Rate (GPM)	Maximum Flow Rate	55	55	75	75
	Minimum Flow Rate	25	25	50	50

*12" one side, 6" minimum other two sides, 24" on service side

SPPC TI-R03 Series					
General Data					
Model (SPPC****TI-R03)		0304	0404	0504	0754
Nominal Tons Cooling		3	4	5	7.5
Refrigerant		R454B	R454B	R454B	R454B
Electrical Data					
Supply Power	Voltage	460	460	460	460
	Phase	3	3	3	3
	Frequency (Hz)	60	60	60	60
Compressor	Quantity	1	1	1	1
	Rated Load Amps (RLA)	9	6.3	7.1	11.6
	Locked Rotor Amps (LRA)	70	60	69	95
Fan Motor	Quantity	1	1	1	2
	Full Load Amps (FLA)	0.5	0.8	0.8	0.8
Total Circuit	Full Load Amps (FLA)	9.5	7.1	7.9	13.2
	Min Circuit Ampacity (MCA)	11.9	8.9	9.9	16.5
	Max Overcurr. Protect. (MOP)	20	15	15	25
Physical Data					
Unit Size (in)	Length (L)	34	34	40	59.3
	Width (W)	34	34	36	46
	Height (H)	59	69	79	42.5
Weight (lb)	Operating	571	682	886	1030
	Ship	521	632	836	980
Air Clearance Required (in)	Sides	12*	12*	12*	39
	Service	24	24	24	42
	Top	60	60	60	60
Connection (in)	Water (FPT)	2	2	2	2
Flow Rate (GPM)	Maximum Flow Rate	55	55	75	75
	Minimum Flow Rate	25	25	50	50

*12" one side, 6" minimum other two sides, 24" on service side