
Cold Plunge Pool Chiller

Standard Features

- U.L. Listed, and EPA Compliant, R410A eco-friendly refrigeration complies with latest codes
- Single refrigeration circuit with separate and independent thermostat controls and safeties
- Air cooled, high ambient, vertical discharge, condensers for 100°F ambient
- Suitable for outdoor installation (for areas that maintain outdoor temperatures above freezing)
- Weather proof electrical panel with single point power connection to distribution block
- Voltage and phase monitor protection for low voltage, phase loss and phase reversal with alarm light
- 24 vac control circuit with component sequenced terminal strip for easy troubleshooting
- One stage of compressor control
- Controller including electronic thermostat, with rocker On/Off switch
- Titanium coaxial heat exchanger
- Non ferrous water lines with FPT connections and insulated with 1/2" closed cell insulation
- Water flow safety switch locks out compressors on low flow to evaporator
- Heavy welded steel frame with powder coated corrosion protection
- Cabinet mounted temperature and pressure gauges
- 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).
- Cabinet mounted, glycerin filled refrigeration pressure gauges
- Castors for portability
- Factory technician for startup, training & service
- Condenser coil coating for corrosion protection in coastal areas
- Other voltages and options available upon request

Plunge Pool Chiller Sizing Guide			
Pool Volume (Gallons)	Chiller Capacity	Chiller H.P. @ 50F LWT	Chiller H.P. @ 45F 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

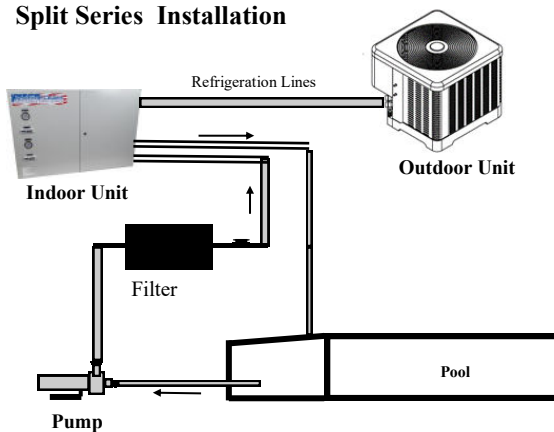
Consider Upsizing Chiller If...

- 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).

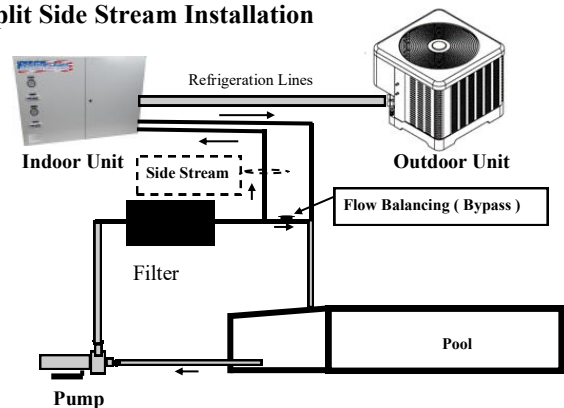
Our clients include many professional sports teams like the Oklahoma City Thunder, Denver Nuggets and Chicago Bears plus spa's, cruise ships and residences.

Typical Site Installations

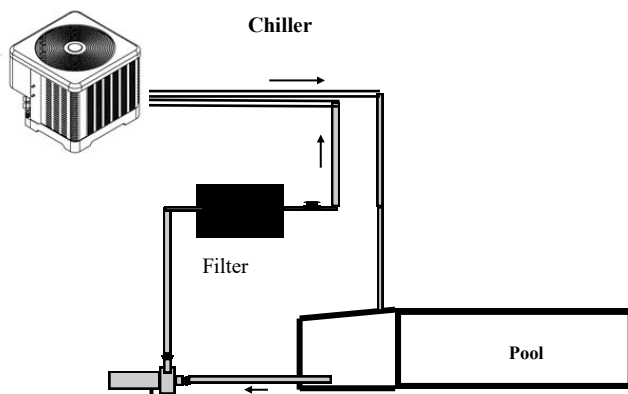
Split Series Installation



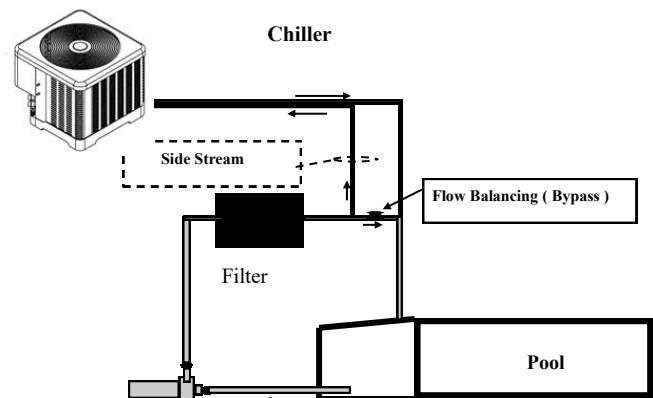
Split Side Stream Installation



Series Installation



Side Stream Installation



General Data																
Model (i.e. SPPC0151TI)		0151TI	0201TI	0251TI	0301TI	0401TI	0501TI	0303TI	0403TI	0503TI	0753TI	0304TI	0404TI	0504TI	0754TI	
Nominal Tons Cooling		1.5	2	2.5	3	4	5	3	4	5	7.5	3	4	5	7.5	
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Electrical Data																
Supply Power	Voltage	208-230	208-230	208-230	208-230	208-230	208-230	208-230	208-230	208-230	208-230	208-230	460	460	460	460
	Phase	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3
	Frequency (Hz)	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Compressor	Quantity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Rated Load Amps (RLA)	6.1	8.4	11.6	16	19.9	25.6	10.5	13.1	16	25	5.6	6.1	7.8	12.2	
	Locked Rotor Amps (LRA)	35.1	41.2	59	91.9	110	150	71	83.1	110	164	38	41	52	100	
Fan Motor	Quantity	1	1	1	1	1	1	1	1	1	2	1	1	1	2	
	Full Load Amps (FLA)	0.7	0.7	0.95	0.95	1.3	1.3	1.4	1.4	1.4	1.5	0.7	0.7	0.7	0.8	
Total Circuit	Full Load Amps (FLA)	6.8	9.1	12.55	16.95	21.2	26.9	11.9	14.5	17.4	28	6.3	6.8	8.5	13.8	
	Min Circuit Ampacity (MCA)	8.3	11.2	15.5	21	26.2	33.3	14.5	17.8	21.4	35	7.7	8.3	10.5	16.8	
	Max Overcurr. Protect. (MOP)	15	15	25	35	45	50	20	30	30	50	15	15	15	25	
Physical Data																
Unit Size (in)	Length (L)	27	27	30	36	36	44	27	32	44	60	27	32	44	60	
	Width (W)	27	27	30	36	36	36	27	32	32	50	27	32	32	50	
	Height (H)	59.5	65	72	69	69	69	65	69	62	42	65	69	62	42	
Weight (lb)	Dry	290	300	325	343	450	590	470	520	615	650	470	520	615	650	
	Ship	470	500	550	576	720	874	700	765	900	950	700	765	900	950	
Air Clearance Required (in)	Sides	12	12	12	12	12	12	12 / 6	12 / 6	12 / 6	42 / 18	12 / 6	12 / 6	12 / 6	42 / 12	
	Service	18	18	18	18	18	18	24	24	24	39	24	24	24	39	
	Top	60	60	60	60	60	60	48	48	48	60	48	48	48	60	
Connection Sizes	Water (FPT)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	Refrig. Liquid Line OD (in)	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	1-1/2	3/8	3/8	3/8	1-1/2	
	Refrig. Suction Line OD (in)	3/4	3/4	7/8	7/8	7/8	7/8	7/8	7/8	7/8	1-1/8	7/8"	7/8	7/8	1-1/8	
Sound	dBA	71	72	72	72	73	75	75	80	79	85	75	80	79	85	