
Cold Plunge Pool Chiller - for chlorine treated pools

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
- Weather proof electrical panel with single point power connection to distribution block
- Outdoor condensing unit with indoor heat exchanger cabinet (requires a line set to be provided and installed by a refrigeration contractor to connect the two units together).
- 24 vac control circuit with component sequenced terminal strip for easy troubleshooting
- One stage of compressor control with digital temperature controller
- Cupronickel coaxial heat exchanger for chlorine pools
- Externally equalized thermal expansion valve 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 compressors on low flow to evaporator
- Cabinet mounted chilled water supply pressure and temperature gauges
- Warranty: One (1) years limited parts, five (5) years limited compressor warranty

Options & Accessories

- Cabinet mounted, glycerin filled refrigeration pressure gauges
- Castors for portability
- Factory authorized technician for startup, training & service
- Factory authorized contractor for installation
- Condenser coil coating for corrosion protection in coastal areas
- Titanium heat exchanger for saltwater pools
- Other voltages and options available upon request



Outdoor Condensing Unit



Indoor Heat Exchanger Cabinet

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

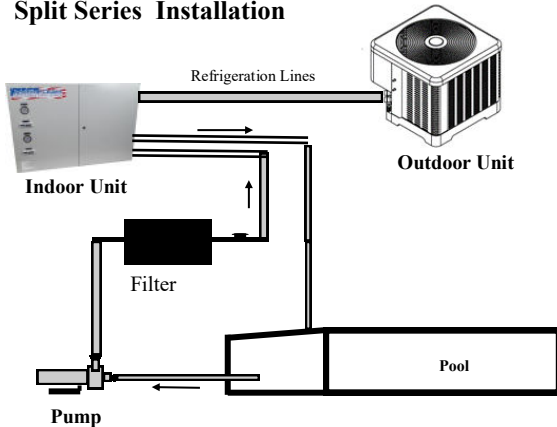
Consider Upsizing Chiller If...

- 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).

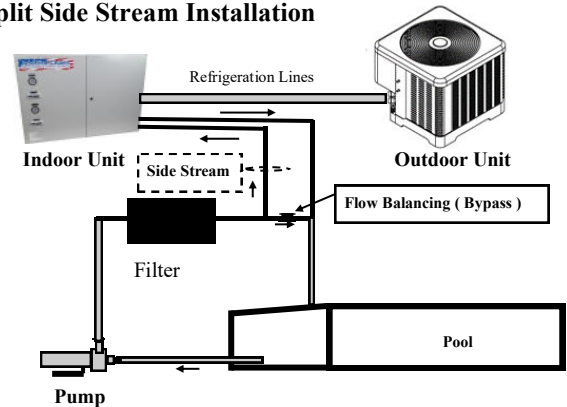
Our clients include many professional sports teams like the Oklahoma City Thunder, Denver Nuggets and Chicago Bears plus spa's, cruise ships and residences.

Typical Site Installations

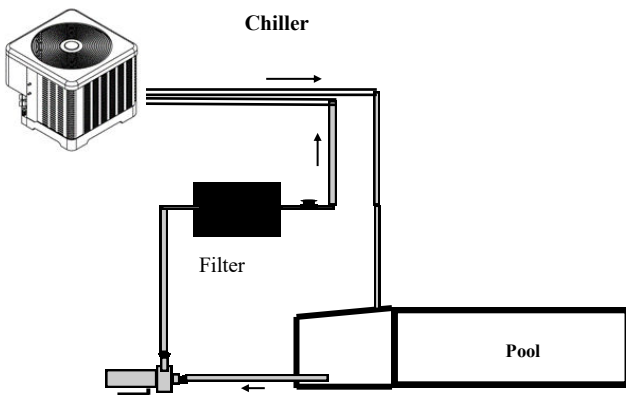
Split Series Installation



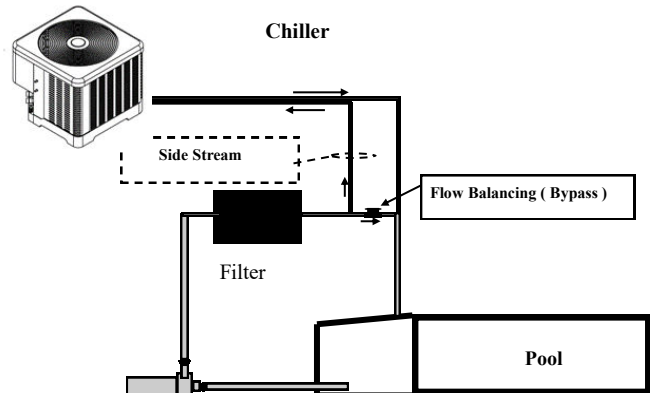
Split Side Stream Installation



Series Installation



Side Stream Installation



General Data															
Model (i.e. SPPC0151)		0151-Split	0201-Split	0301-Split	0401-Split	0501-Split	0303-Split	0403-Split	0503-Split	0753-Split	0304-Split	0404-Split	0504-Split	0754-Split	
Nominal Tons Cooling		1.5	2	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	
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	460	460	460	460
	Phase	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
Compressor	Quantity	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Rated Load Amps (RLA)	6.1	8.4	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	91.9	110	150	71	83.1	110	164	38	41	52	100	
Fan Motor	Quantity	1	1	1	1	1	1	1	1	2	1	1	1	2	
	Full Load Amps (FLA)	0.7	0.7	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	16.95	21.2	26.9	11.9	14.5	17.4	28	6.3	6.8	8.5	13.8	
	Min Circuit Amp (MCA)	8.3	11.2	21	26.2	33.3	14.5	17.8	21.4	35	7.7	8.3	10.5	16.8	
	Max Overcurr. Prot (MOP)	15	15	35	45	50	20	30	30	50	15	15	15	25	
Physical Data															
Outdoor Unit Size (in)	Length (L)	26	26	35.5	35.5	35.5	26	31.5	31.5	59.5	26	31.5	31.5	59.5	
	Width (W)	26	26	35.5	35.5	35.5	26	31.5	31.5	46	26	31.5	31.5	46	
	Height (H)	27	32.5	35.75	39.5	36.5	31.5	36	29	42.5	31.5	36	29	42.5	
Indoor Unit Size (in)	Length (L)	32	32	32	32	32	32	32	32	32	32	32	32	32	
	Width (W)	12	12	12	12	12	12	12	12	12	12	12	12	12	
	Height (H)	24	24	24	24	24	24	24	24	24	24	24	24	24	
Weight (lb)	Outdoor Unit (dry)	123	145	195	236	266	150	195	205	400	150	195	205	400	
	Indoor Unit (dry)	105	115	125	130	135	125	130	135	150	120	120	135	150	
	Total Ship	436	467	506	590	647	450	555	600	750	510	555	600	750	
Air Clearance Required (in)	Sides	12	12	12	12	12	12	12	12	36 / 12	12	12	12	36 / 12	
	Service	24	24	24	24	24	24	24	24	39	24	24	24	39	
	Top	60	60	60	60	60	60	60	60	60	60	60	60	60	
Connection Sizes	Water (FPT)	1	1	1	1	1	1	1	1	1-1/4	1	1	1	1-1/4	
	Refrig. Liquid Line OD (in)	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	3/4	7/8	7/8	1-1/8	3/4	7/8	7/8	1-1/8	
Sound	dBA	70.7	75.7	76.1	74	75.8	76	76	74.8	85	76	76	74.8	85	