
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 (for areas that maintain outdoor temperatures above freezing)
- Weather proof electrical panel with single point power connection to distribution block
- 24 vac control circuit with component sequenced terminal strip for easy troubleshooting
- One stage of compressor control with digital temperature controller
- Control mounted on chiller
- 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
- 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 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



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

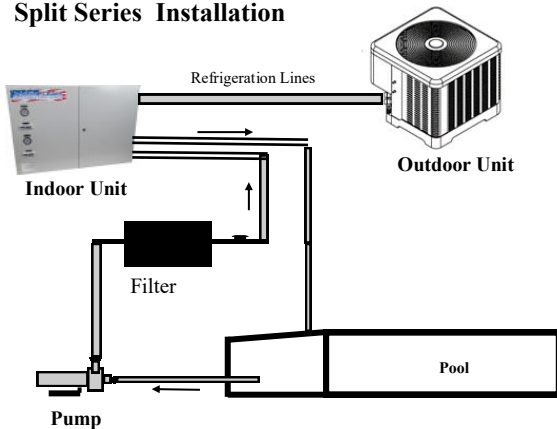
Consider Upsizing Chiller If...

- 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).

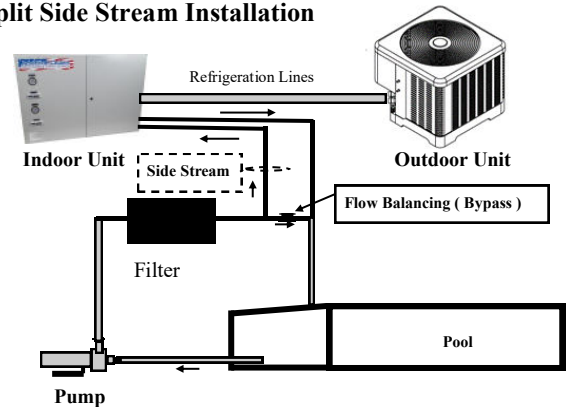
Our clients include many professional sports teams like the Oklahoma City Thunder, Denver Nuggets and Chicago Bears plus spa's, cruise ships and residences.

Typical Site Installations

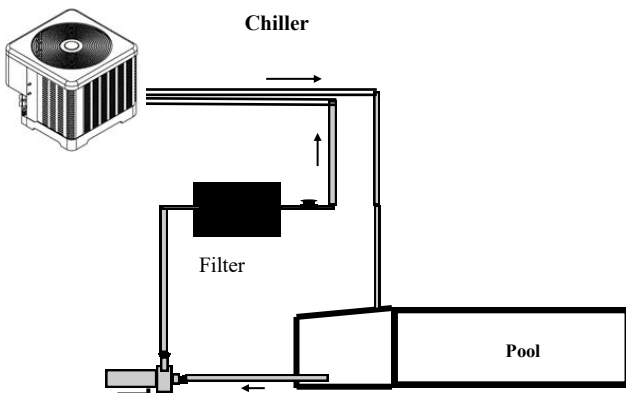
Split Series Installation



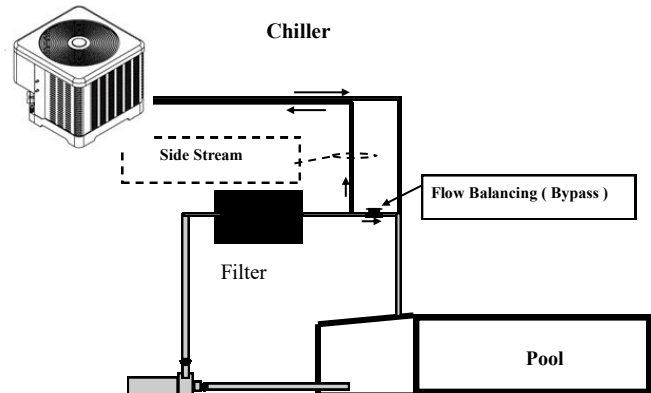
Split Side Stream Installation



Series Installation



Side Stream Installation



General Data

Model (i.e. SPPC0151)	0151	0201	0251	0301	0401	0501	0303	0403	0503	0753	0304	0404	0504	0754
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	460	460	460	460
	Phase	1	1	1	1	1	1	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	1
	Rated Load Amps (RLA)	9	12	14	13	18	26	9	13.1	16	25	5.6	6.1	7.8	12.2
	Locked Rotor Amps (LRA)	43	60	68	83	102	150	71	83.1	110	164	38	41	60	100
Fan Motor	Quantity	1	1	1	1	1	1	1	1	1	2	1	1	1	2
	Full Load Amps (FLA)	0.8	0.8	0.8	0.8	1	2.8	0.8	1.2	1	1.5	0.5	0.6	0.5	0.8
Total Circuit	Full Load Amps (FLA)	9.8	12.8	14.8	13.8	19	28.8	9.8	14.3	17	28	6.1	6.7	8.3	13.8
	Min Circuit Ampacity (MCA)	14	18	19	20	24	40	13	18	21	35	8	9	11	16.9
	Max Overcurr. Protect. (MOP)	20	25	30	30	40	60	20	30	35	50	15	15	15	25

Physical Data

Outdoor Unit Size (in)	Length (L)	30	34	34	34	34	36	34	36	36	60	34	36	36	60
	Width (W)	30	34	34	34	34	36	34	36	36	46	34	36	36	46
	Height (H)	25	25	27	31	35	51	27	31	51	44	27	31	51	44
Weight (lb)	Dry	165	219	245	256	305	352	256	305	352	600	250	305	352	600
	Ship	263	363	380	362	461	513	392	461	513	915	417	461	513	915
Air Clearance Required (in)	Sides	12	12	12	12	12	12	12	12	12	36 / 12	12	12	12	36 / 12
	Service	24	24	24	24	24	24	24	24	24	36	24	24	24	36
	Top	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Connection Sizes	Water (FPT)	3/4	3/4	3/4	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	3/8	1/2	3/8	3/8	3/8	1/2
	Refrig. Suction Line OD (in)	3/4	3/4	3/4	3/4	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	76.8	76.1	74	75.8	76.1	74	75.8	85	76.1	74	75.8	85