

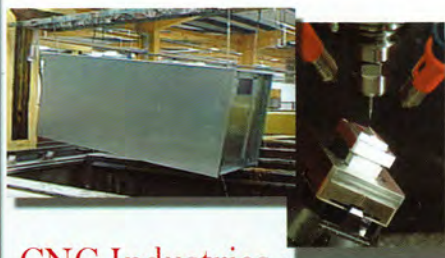
INDUSTRIAL WATER CHILLER

0.5-200HP



Cooling Moulds :
Injection moulding and extrusion, industries which requires process-cooling.

Electro plating



CNC Industries :
CNC machining center, CNC electrical discharge machine, CNC grinder, CNC lathe



Food Processing



Machinery using Hydraulic oil, lubricating oil or other processing oil



Air pressure spot welder

Laser cutting, DI water application



***Temperature Accuracy of $\pm 0.2^{\circ}\text{C}$**

***High Cooling Efficiency!**

***Advance Safety and Protection Devices**

***Flexible Water Pump and Piping System**

***Easy Installation**

Features of SCP Industrial Water Chiller

- Ran by Digital Temperature Controller
- Easy installation and maintenance process: Built-in Stainless Steel Water Tank (SUS304, rust free, durable) which allows the services and cleaning process to be done within 10 minutes. Only the electricity supply and external piping works are required.
- Advance safety and protection devices: Built-in parameter setting, High/Low Temperature Alarms and various overload indication lights; High/Low Pressure Switch, Compressor Overload Relay, Cooling Fan Overload Relay, Phase Reverse Relay, Oil Separator, Suction Accumulator, Thermal Expansion Valve, Receiver, etc.
- Flexible water pump & piping system: water pump can be upgraded when it is needed.

SP/SPH Series (Single Compressor)

- Use one compressor to perform the cooling function;
- Comes in two types: Upward Blowing (SP Series) and Side Blowing (SPH Series).

SFA/SMA Multi-compressor series

- Use two or more compressors to perform the cooling function
- Can maintain the **Temperature Accuracy within $\pm 0.2^{\circ}\text{C}$** (particularly suitable for industries in which precise temperature is needed)
- Can reduce the Temperature Variation from 3-5 $^{\circ}\text{C}$ (regular chiller) to 1 $^{\circ}\text{C}$
- Fully utilize the compressors as they will take turns to operate under the control of our specially programmed PCR (Programmable Control Relay)
- Can lower the start-up current usage and reduce the chance of current surge



Specification - SPH Series (Side Blowing)

MODEL		SPH10	SPH20	SPH30	SPH40	SPH60	SPH80
COOLING CAPACITY	Kcal/hr	1200	2400	3020	4900	7800	10320
	KW	1.4	2.8	3.5	5.7	9.1	12
Compressor	HP	0.5	1	1.5	2	3	4
Water Pump	HP	0.5	0.5	0.5	0.5	0.5	0.5
Water Flow Rate	L/min@Bar	15@2.5	20@2	20@2	40@1.5	40@1.5	50@1.4
S/S Water Tank Volume	Litre	6	8	22	35	33	43
Condenser Fan Size	mm	250	300	350	400	400	500
Dimension	Length mm	510	520	675	825	800	1025
	Width mm	400	400	500	555	550	680
	Height mm	425	780	1030	1265	1270	1185
Gross Weight	Kg	50	58	92	119	136	170



CFC Free Refrigerant (R404A, R407, R134A) available on request

Specification - SP Series (Upward Blowing)

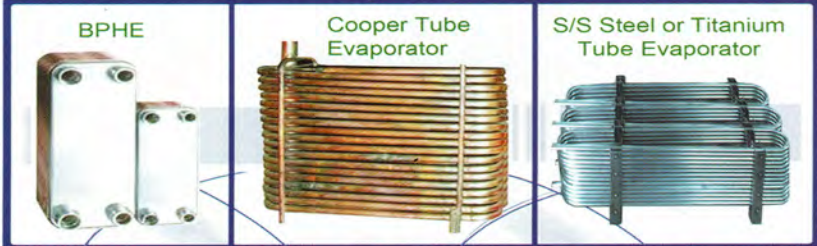
MODEL		SP20	SP30	SP40	SP60	SP80	SP100	SP300	SP420	SP500
COOLING CAPACITY	Kcal/hr	2400	3020	4900	7800	10320	12900	27520	31400	43000
	KW	2.8	3.5	5.6	9.1	12	15	32	36.5	50
Compressor	HP	1	1.5	2	3	4	5	10	12	15
Water Pump	HP	0.5	0.5	0.5	0.5	1	1	3	3	3
Water Flow Rate	L/min@Bar	20@2	20@2	40@1.5	40@1.5	50@1.4	65@2	200@2.5	200@2.5	250@2.2
S/S Water Tank Volume	Litre	8	22	35	33	33	33	133	136	240
Condenser Fan Size	mm	300	350	400	400	500	500	500 x 2	500 x 2	550 x 2
Dimension	Length mm	670	670	870	870	990	990	1580	1580	1800
	Width mm	500	500	580	580	680	680	900	900	1050
	Height mm	1030	1030	1280	1280	1180	1180	1500	1500	1500
Gross Weight	Kg	70	92	119	136	170	190	380	410	435



SPH10 - Mini Chiller

The cooling capacity is based on:
 1. Condensing Temperature=40C;
 2. Evaporating Temperature=12.5C
 3. Refrigerant Type=R22

Can opt for:



Specification - Multi-Compressor Series

MODEL		SFA170	SFA200	SFA500	SFA600	SFA840	SFA1000
COOLING CAPACITY	Kcal/hr	20640	25800	40420	55040	62800	86000
	KW	24	30	47	64	73	100
Compressor	HP	4 x 2	5 x 2	10 + 5	10 x 2	12 x 2	15 X 2
Water Pump	HP	3	3	5.5	5.5	5.5	5.5
Water Flow Rate	L/min@Bar	133	266	300	300	300	300
S/S Water Tank Volume	Litre	132	132	240	350	248	480
Condenser Fan Size	mm	500 x 2	500 x 2	500 x 3	500 x 4	500 x 4	550 x 4
Dimension	Length mm	1550	1580	2300	1750	1930	2230
	Width mm	900	900	900	1510	1510	1800
	Height mm	1490	1490	1300	1750	1750	1750
Gross Weight	Kg	360	380	450	815	850	950



MODEL		SMA330	SMA336	SMA440	SMA345	SMA448	SMA460	SMA575	SMA690
COOLING CAPACITY	Kcal/hr	82560	94200	110080	129000	125600	172000	215000	258000
	KW	96	110	128	150	146	200	250	300
Compressor	HP	10 x 3	12 x 3	10 x 4	15 x 3	12 x 4	15 x 4	15 x 5	15 x 6
Water Pump*	HP	5.5	5.5	5.5	5.5	7.5	7.5	10	10
Water Flow Rate	L/min@Bar	330@3.2	400@3	400@3	450@2.7	500	600@3.5	750@3.4	830@3
S/S Water Tank Volume	Litre	330	600	800	800	1000	1000	1200	1400
Condenser Fan Size	inch	500 x 6	500 x 6	500 x 8	550 x 6	500 x 8	550 x 8	550 x 10	550 x 12
Dimension	Length mm	2430	2600	3100	3000	3500	4000	5000	6000
	Width mm	1520	1560	1560	1800	1560	1800	1800	1800
	Height mm	1750	200	2000	2000	2000	2000	2000	2000
Gross Weight	Kg	630	668	820	1400	1700	1900	2400	2800

* * * : Internal Circulation Pump