SINCE 1998

SBC™

ISO 9001:2015 I 14001:2015

configurable, innovative, performance

reliable performance combined with optimum efficiency

SBC COOLING PVT. LTD.

HVAC/R

www.sbccindia.com

SBC Cooling Pvt. Ltd. has been manufacturing refrigeration systems since 1998, originally established as Shree Bhagavati Refrigeration Service. It was renamed SB Cooling Corporation in 2012 and became SBC Cooling Private Limited in 2017.

Our products meet industry quality standards, ensuring sturdy construction and energy efficiency. We specialize in chiller systems and chilling plants, serving various industries, including oil and gas, food and beverages, pharmaceuticals, chemicals, plastics, textiles, and diamond anodizing.

Vision-Mission

To become a lean power train manufacturing plant, we will focus on :

Exceeding customer expectations for quality and delivery. Implementing innovative, sustainable processes that conserve natural resources. Creating an empowered, enthusiastic work environment that upholds our core values.

Quality Policy

At SBC Cooling Pvt. Ltd., we are dedicated to maximizing customer satisfaction and continually improving our performance excellence through :
Innovative processes and ongoing enhancement of knowledge and skills. The implementation and continuous improvement of a well-defined quality management system.

cooling system

Client Happiness

Being a client conscious firm, we work hard to direct all our efforts to achieve the utmost level of customer satisfaction by providing a quality array of products. Further,to gain faith and trust of the customers, we make sure that the products are offered at competitive prices within the promised time frame. Our professionals organize stringent check on the products to ensure delivery of flawless products. Furthermore, we hold expertise in developing the products in line with the customer's specifications. It is due to our transparent business practices and convenient payment modes that we have been able to expand our client base in the Indian market.

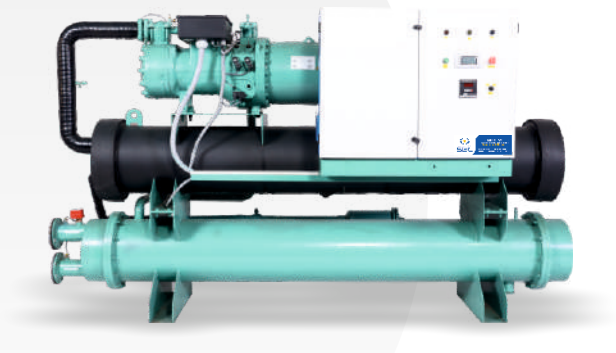
Your Reliable Partner in Precision Cooling

Industrial Chiller Water Cooled Screw Chiller

SBC manufactures completely customized & Industrial chiller systems as per the customer requirement including water cooled chiller. We supply chilling systems and chillers to a wide variety of industrial processes and production machinery applications, ranging from self-contained portable units through to completely installed "turn-key systems". Some of the more common applications are listed below in the past, fresh water was used freely for cooling production processes. Today, most processes require cooling water with much closer defined tolerances. Industrial chillers provide cooling in a controlled closed circuit. This means that the water used for your production processes is reliable, constant and defined.

The capacity of these Chillers varies exactly as per the fluctuating load conditions, to have the energy efficiency at its best. Data logging, BMS operation and controlling as well as synchronizing with the centralized systems remain standard. The costs involved in installation and maintenance are reduced to minimum by providing the necessary Chiller fittings as standard. The machines are designed giving proper thought to have them easily and quickly.

Water-cooled screw chillers are widely used in the fields of plastic, electroplating, electronics, chemical, pharmaceutical, printing, food processing and other industrial refrigeration process to use chilled water or large shopping malls, hotels, Factories, hospitals, soft drinks, soda, bulk drug manufacturing, beverages, bakery, laboratories, petrochemical and refineries and other central air conditioning projects need to use chilled water concentrated cooling areas standard. The machines are designed giving proper thought to have them easily and quickly.



Tonnage Capacity available in Water cooled Screw Chiller up to :

20 TR to 300 TR (Single Circuit) Chilled Water
20 TR to 120 TR (Single Circuit) Brine

Temperature Scope :

(+) 15 °C to (-) 40 °C

Tonnage Capacity available in Water cooled Screw Chiller up to:

20 TR to 600 TR (Multi Circuit) Chilled Water
20 TR to 240 TR (Multi Circuit) Brine

Refrigerant :

R-22, R-134A, R-407C, R-404A, R410A

***Variable speed chillers available**

Water Cooled Screw Chiller (Brine & Chilled Water)

We customized water cooled screw chiller with B-PHE heat exchanger which offers excellent operational efficiency. This chillers are complete, self-contained automatic refrigerating units that include the latest in engineering components arranged to provide a compact and efficient unit.

Precision in Design
Quality Cooling

Features :

- Capacity and energy savings
- Custom and modular design for your specific needs
- Engineered with the most efficient and highest performing components and materials
- Simplify with a single-source of responsibility
- 100% managed from design through delivery
- Fully automatic for Safety of Equipment's Energy Efficient Chiller
- ASME class heat exchanger-design to with stand
- Pressure 3 times greater than the vessel's relief pressure PLC Based Control Panel
- Environment Friendly
- Lower Annual Operating Costs
- Reliable, Simple Operation and Maintenance
- Highly reliable, efficient and low noise level

Air Cooled Screw Shell & Tube and B-PHE Chiller

The unit have compact structure and small size with convenient installation and maintenance. The unit Provide highly accurate outlet water temperature control to ensure the constant and comfortable temperature for process.

For higher refrigeration capacity these systems are conceived with multiple compressor arrangement. Each compressor is propped up by solitary refrigeration circuit. The solitary refrigeration circuit forge the maintenance procedure easy without muddling the process.

Tonnage Capacity in Air cooled Screw Chiller up to :
20 TR to 300 TR (Single Circuit)

Tonnage Capacity in Water cooled Screw Chiller up to :
20 TR to 600 TR (Multi Circuit)

Temperature Scope : (+) 20 °C to (-) 15 °C

Precision in Design
Quality Cooling

Features :

- Capability to select different compressors based on efficiency, service ability and life expectancy.
- Ability to select a different evaporator design based on size, freeze protection and service ability.
- Ability to select different condenser coils based on efficiency, corrosion resistance and weight.
- Capability to select constant speed or variable speed technology for the compressor and fans based on efficiency.
- Ability to choose from multiple footprints for a given capacity in order to optimize efficiency while meeting space requirements.

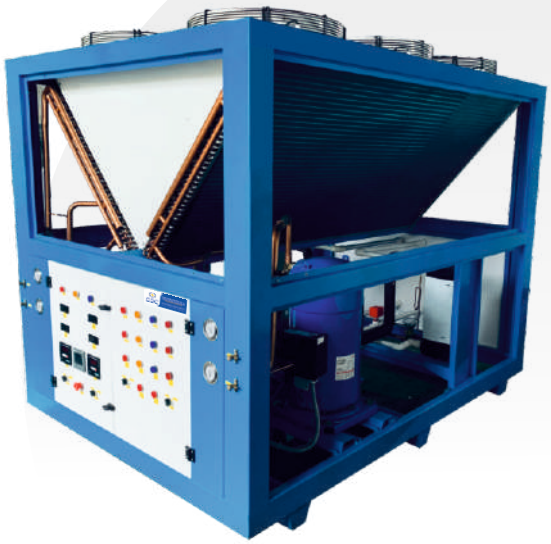
In addition, air-cooled chiller condenser coils are available in different configurations, providing another level of customization. The two most common choices are the aluminium / copper (Al/Cu) and the micro channel heat exchanger (MCHX) coil designs, but other options are available.

AIR COOLED
SCREW CHILLER

Air Cooled Scroll Chiller

The Air-cooled Scroll Chillers are known for high energy efficiency. These are specially designed to work well within the extreme tropical weather conditions. The chillers are tested in compliance with the international standards of the industry. These are user friendly and easy to install. The chillers come with multiple compressor configurations. Every compressor is backed by an individual refrigeration circuit.

This separate refrigeration circuit makes its maintenance easy. The equipment contains fluid pump and storage tank on the skid. Air Cooled Scroll Chiller is Manufactured using illustrious Scroll compressor make available from Danfoss and Emerson.



Wide Range of Model For Air Cooled & Water Cooled Scroll Chiller:

Design for high ambient condition up to 50°C
Air-cooled Scroll Chillers :
3 TR to 25 TR (Single Circuit)

Water-cooled Scroll Chillers :
3 TR to 25 TR (Single Circuit)

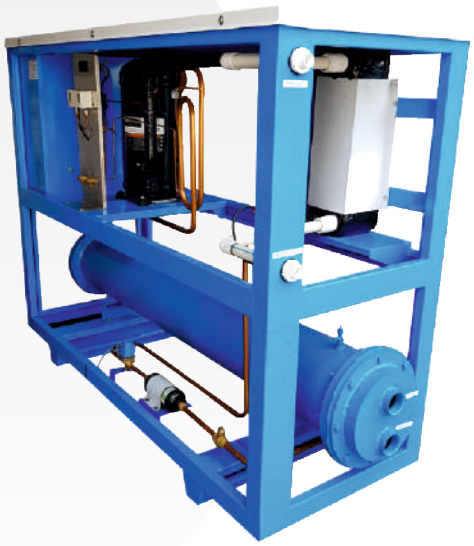
Temperature Scope of Air Cooled & Water Cooled Scroll Chiller :
(+) 20 °C to (-) 10 °C

Chiller TR Capacity Range for Air & Water Cooled Scroll Chiller :
3 TR to 100 TR (Multi Circuit)

Precision in Design
Quality Cooling

Water Cooled Scroll Shell & tube and B-PHE Chiller

Water Cooled Scroll Chiller is manufactured using illustrious scroll compressor make available from Emerson and Copeland. The design of this fully microprocessor based suitable for cooling application ranging from +15 °C to -5 °C it is engrossed with single / multiple scroll compressor along with individual refrigerant circuit. The clients have an option of using CFC free refrigerant R-134a / R-407c / R-404a and stainless steel chilled water circulation tank (If necessary).



Features :

- High cooling with low power consumption.
- Design for high ambient condition up to 40 °C
- Environment friendly (CFC Free) Refrigerant R22 / R134a / R407c / R410A / R404A a available.
- Electronic expansion valves for larger capacities, for energy efficiency and precise temperature control.
- Set the high and low pressure protection, chilled water anti-freeze protection, power phase sequence protection, default phase protection, low of water flow protection, compressor motor overload / overheating protection and auto restart function on power failure.
- Easy interface with BMS through protocols (optional).
- Body is made up of galvanized steel with 7 processed powder coating.
- Weather and dust proof design with IP55 / IP65 level protection available.
- Fully automatic micro panel based unit with data logging facility available.
- Shell and tube evaporators with high flow design for batter temperature result.

Air Cooled Reciprocating Chiller

The main purpose of Reciprocating Air Cooled Chiller is to cool the surrounding air. Such refrigeration devices are suitable for serving the larger scale industrial needs. The Reciprocating air cooled chiller is powerful enough to work for the domestic, industrial or commercial purpose of cooling huge machines and air conditioning. While maintaining high energy efficiency, the Air-Cooled Reciprocating Chillers are suitable to work in extreme tropical weather conditions. These are designed, manufactured and tested in accordance with international standards. These equipment are easy to install and operation friendly, backed by the competent engineering team to realize the advantage while being in operation.

Air-cooled reciprocating chillers are suitable to work even the extreme tropical weather conditions, as they are manufactured with the feature of high energy efficiency. They are designed and tested according to the international standards. They are easy to install and are easy to operate.

Wide Range Of Model For Air Cooled & Water Cooled Reciprocating Chiller

Air-cooled Reciprocating Chillers :
3 TR to 30 TR (Single Circuit) / 3 TR to 100 TR (Multi Circuit)

Water-cooled Reciprocating Chillers :
3 TR to 30 TR (Single Circuit) / 3 TR to 100 TR (Multi Cicuit)

Temperature Scope : (+) 15°C to (-) 60°C

Chiller TR Capacity Range for Air & Water Cooled Scroll Chiller :
3 TR to 100 TR (Multi Circuit)

Water Cooled Reciprocating Chiller

Designed to work in extreme tropical conditions, the Water-cooled Reciprocating Chillers are energy efficient and environmental friendly. These chillers are designed and manufactured within the best available facilities and are tested as per the most stringent international parameters. The equipment is easy to install and operation friendly.

These water cooled reciprocating chillers are used in specific industrial applications, where the fluid temperatures and other factors are of primary importance. These chillers are custom designed in accordance with special process requirements.

They are designed to give a great performance in the most extreme tropical conditions, the water-cooled chillers are energy efficient and also they are environmental friendly. They are tested within the most prominent international parameter. They are used in the specific industry for application where the fluid temperatures and other such factors are important. They can be customized according to the requirements.

Reciprocating chillers are adapted with reciprocating compressor from Kirloskar, Emerson and Bitzer. This chillers are fully automatic control based and applicable for process temperature at (+) 15° C to (-) 60° C. These chillers are manufactured by using world class standard heat exchanger and refrigerant control device. These machines are designed on the base of CFC free.

Features :

- Environment friendly refrigerant R- 134a / R-404a / R-407c / R-22 / R-410a available.
- Electronic expansion valves for larger capacities for energy efficiency and precise temperature control.
- Multiple refrigeration units including fluid pump and storage tank on skid.
- High fouling factors, increased condensing area, extra tube thickness and high-flow design for highest energy efficiency, higher operational reliability and easier maintenance.
- Monologue skid design for extra ruggedness and reliability for mobile operation.
- Shell and tube type evaporators with high-flow design, ready to handle fluid debris and suspended particles.
- Weather and dust proof designs with IP55 / IP65 level protection through acoustic enclosures available.
- Fully automatic PLC based units with remote operation and data logging facilities available.
- Automatic, stepped capacity control, through multiple compressor operation from 33% to 100%

Precision in Design!
Quality Cooling

Air Cooled Tank in Coil Chiller

Our tank in coil chillers are suitable for Plastic , Injection Moulding , online RO Plant and bottle filling plant etc. The tank in coil chillers are powerful enough to work the domestic, industrial and commercial, purpose of cooling huge machine and Air-conditioning.Chillers are designed and tested according to international Standard. Inbuilt Primary pump provided with tank in coil type Chiller.

Features :

- Wide range of Model for Air cooled Tank in Coil Chiller.
- Capacity from : 2TR - 25 TR (Single Ckt.)
- Temperature Range : (+) 15°C to (+) 5°C Centigrade.
- Available with Reciprocating as well as Scroll Compressor .
- Automatic control panel with HP/LP , Antifreeze, Protection.
- Tank in coil chillers are Highly Energy Efficient.

Stainless Steel (S.S.)/ Mild Steel (M.S.) Puf Insulated Storage Tank

Features :

- We are Mfg Storage Tank with SS-304, SS-202, SS-316 and MS grade material.
- Our tanks are Equipped with necessary Flanges for Water / Glycol connections as per customer requirement.
- Puf insulation Thickness 60,100,125 mm as per the customer Specification.
- Hot well and cold well Partition Provided in tank if required.
- Tanks are tested for Leak for 24 Hrs.
- Stainless steel resistant to rust and hygienic material for best water storage.
- Tanks are suitable for cold as well as hot water application.
- Suitably designed stainless steel (as per ASME SA240 GRADE 304L) structure of standard quality.
- We are using MIG/ GTAW method with argon as inert gas for all the welds.

Cooling Tower

The cooling towers are designed and manufactured for maximum service life, dependability and performance.

They are readily adaptable for any type of water cooling application.

The selection of material for the cooling tower is based on the requirement that they must be completely resistant to corrosion and chemicals.

This has been achieving through the exclusive use of FRP/Stainless Steel, PVC and MS HDO/SS supporting status.

We are having available range of cooling tower from 5 TR to 500 TR capacities to cool water of 3 GPM per TR at range of 4 °C to 8 °C Δt.

FRP

Stainless Steel

- Easy access to inspection and maintenance
- Finished Body
- Optimum cooling
- Ante corrosive nature
- High tensile strength
- Long service life
- Excellence contact surface area.
- Aerodynamically designed FRP fan blades for smooth performance
- Specially designed energy efficient axial type fans with adjustable pitch, made of cast aluminium alloy or FRP
- Specially designed for low running cost and low noise level
- Energy saving design, Quick and easy installation
- Overwhelming obligation
- Precise measurements
- Easy to grip handle
  Fills - P.V.C, V-BAR (2.0")

Casing & Basin | Fills | Water Distributions System I Fan | Electric Motor | Supporting Structure

Shell & Tube type Condenser & Evaporator

SBC offer Shell and tube Condenser and evaporator which are manufactured and design using the best technological solution as per different application area. The shell manufactured by using heavy duty ERW Mild Steel , Stainless Steel, Carbon Steel pipe or rolled from carbon steel plate (as per requirement) for durable finish standard, robust construction, pre long life and excellent in performance.

The tube is made of special high performance copper, mild steel and stainless steel both internally and externally grooved fins (as per requirement) for low fouling factor with high heat transfer capacity. The offered product is precisely in compliance with ASME & TEMA Code.

Water Cooled Condenser :

Technical Specification : (Shell & Tube type)

Tube MOC : Copper, Stainless Steel and cupronickel (Marine Application) with External grooved.

Tube Outer Dia. : 3/8", 1/2", 5/8", 3/4". (Customized)

Tube Wall Thickness : 1 mm (Customized)

Shell MOC : Mild Steel, Stainless Steel & Carbon Steel.

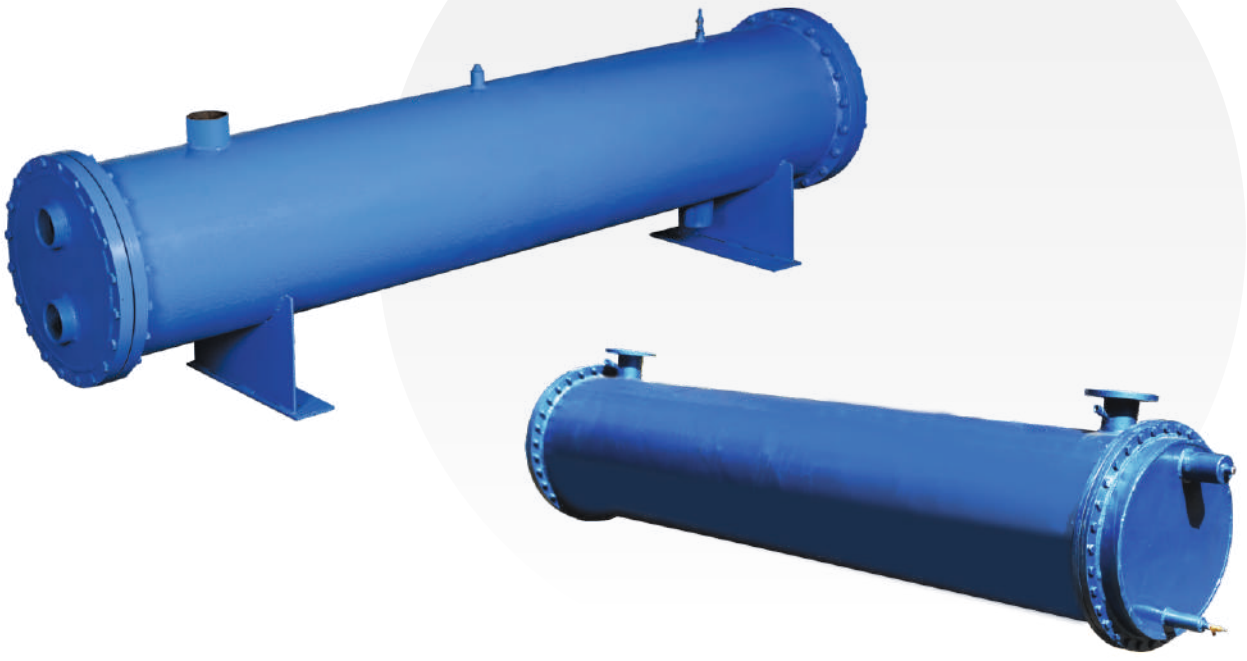
Tube Pressure Testing : 200 psi for 24 hr.

Shell Pressure Testing : 350 psi for 24 hr.

Shell & Tube

Types of Evaporators we are using in our Chillers

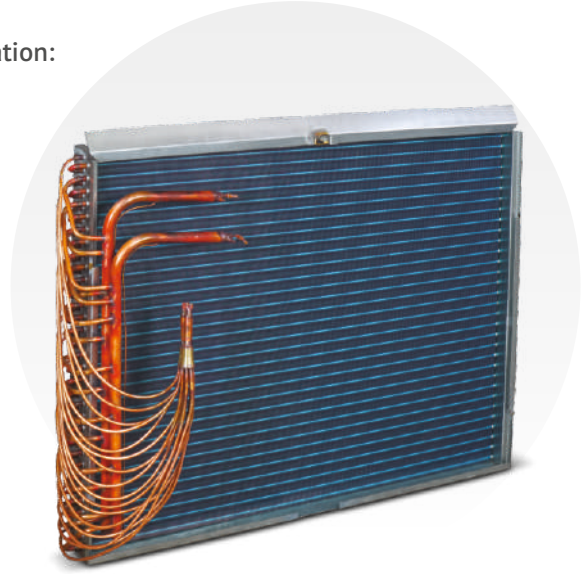
- Imported Brazed Type Plate Heat Exchanger.
- Gasket Type Heat Exchanger.
- Shell & Tube Type Heat Exchanger.
- Coil in Tank Type Heat Exchanger.
- Tube in Tube Type Heat Exchanger.



Air Cooled Cooling Coil & Condenser

For more than 10 years, we have been making condenser and evaporator coils for many global air conditioning brands. SBC provides both copper and aluminium tubes with tube O.D. from 7 mm up to 16 mm with various fin patterns for different applications.

We can handle almost any coil for both air conditioning and refrigeration:
Condenser Coils, Evaporator Coils and Fluid Coolers.



Tube Sizes : 7 mm, 1/2 inch, 3/8 inch and 5/8 inch.
Tube Thickness : We stock a variety of thicknesses for most tube sizes. (Standard 0.27 mm).
Tube and Fin Materials : Aluminium, copper, copper clad aluminium, cupro nickel and stainless steel.
Rows : Customize (as per customer's requirement) starting from 1 Row.
Fin Materials : Aluminium and copper, and pre-coated aluminium.
Chemical Composition : Copper 98.99%
Fin Edges : Straight edge and ripple edge.
Fin Surfaces : Plain, flat, corrugated, louver, raise lance, sine wave, sine wave slit surface and super slit.
Fin Spacing : 4 FPI to 12 FPI.
Headers : Aluminium, steel, copper, galvanized iron and stainless steel.
Protective Coatings : Hydrophilic protective coated fins, gold and blue.
Pressure Testing : 450 PSI for 24 hours.

Air Cooled Condenser

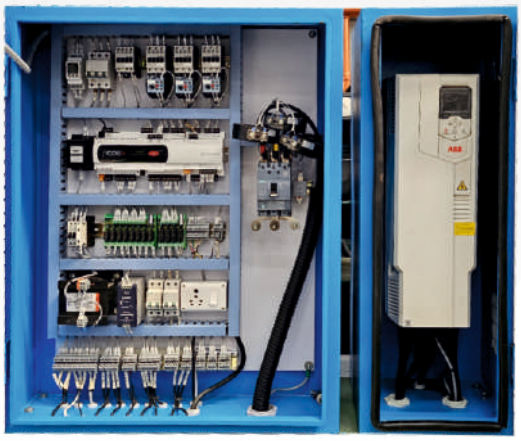
Tube Thickness :- 0.27 mm
Tube MOC :- Copper Tube Inner Grooved
Chemical Composition :- 99.98%
Tube O.D :- 3/8" and 1/2"
Fins MOC :- Corrosion Preventive Blue Fins
Fins Thickness :- 0.15 mm
End Plate MOC :- Galvanized Iron
Pressure Testing :- 450 psi. for 24 Hours

We can design or duplicate any types of existing heat exchangers in a variety of materials Features:

- Manufactured with utmost care and perfection
- Defect free
- Perfect finishing
- Available in different shapes
- Anti-corrosive nature
- Long lasting
- Stability of control

PLC Panel (Programmable Logic Controller Panel) Three phase

Electrical Control Panels are designed and used to control mechanical equipment. Each one is designed for a specific equipment arrangement and includes devices that all owan operator to control specified equipment.

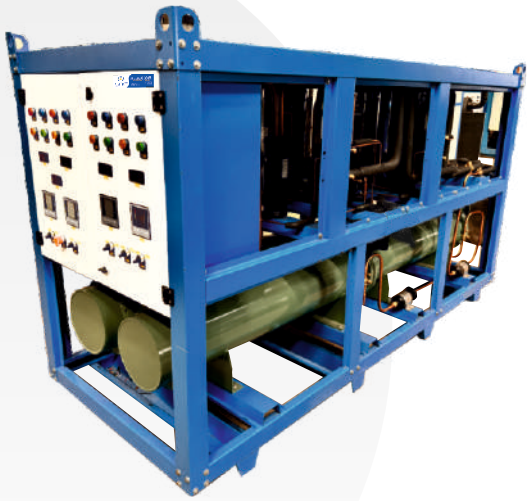


Features :

- PLC panels are designed as per end user requirement.
- Minimizes human interface, thus minimizes the possibility of error.
- Whole system can be monitored & controlled at single junction.
- Data Logging of all process parameters with alarm.
- We provide flexibility on make of PLC, we can provide any make of PLC.

Air Handling Unit & Out Door Condensing Unit

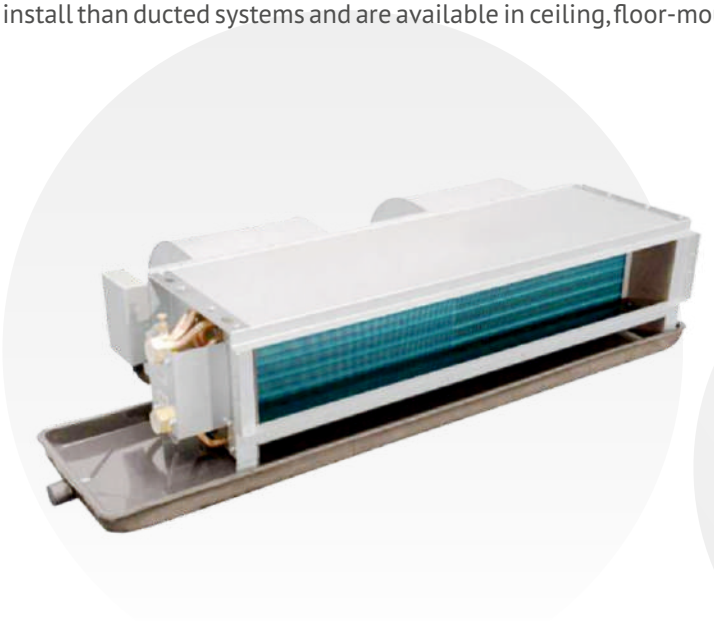
Air Handling Unit is the need of the hour. Since, it does the most important function of circulating fresh air, by taking in outside air and conditioning it. The exhaust air which can also be termed as "stale air"is discharged. Thus, it ensures healthy and top notch health as well. The air quality of the indoor is regularly maintained as the air handling unit regularly keeps a check on the safety and health of the inhabitants. In the areas where the need for quality of air is significantly lower, then the unit re-circulates the air though mixing chamber which automatically results in saving of energy over a period of time as well. There are dampers with mixing chamber as they do the basic function of keeping a check on the ratio between the air which is returned, exhausted as well as that of outside air.



- **Applications :** Cooling, Heating, Humidification and Ventilation.
- **Frame Work :** Mainframe of self-supporting hollow extruded aluminium profile. Thermal break construction as option.
- **Frame Panels :** Double Skin CFC / HFC free PUF injected 25 / 43 /50 / 75mm thick panels. Various skin option available in plain GSS, pre-painted GSS, pre-plasticized GSS, aluminium, stainless steel as per duty requirements.
- **Fan Section :** Fan Section contains belts driven DIDW Forward / Backward / Aero foil Backward curved Centrifugal Blower & direct driven Plug Fans as per requirement.
- **Fan/Motor Assembly :** Fan and Motor assembly mounted on common base frame of Extruded Aluminium Profile on vibration isolators.
- **Coil Section :** Coil Section designed for CHW / HW / DX high efficiency heat transfer coils.
- **Drain Pan :** Dual Slopping Aluminium / Stainless steel drain pan mounted on PUF insulated bottom panel.
- **Filter Section :** Flat Filter Section designed for Synthetic pleated pre-filters. Choice of filtration available as per required duty conditions levels.
- **Scrubber Section :** Choice of wet & dry scrubber.
- **Outdoor Installation :** Overhead canopy available for outdoor installation Manual / Motorized controls-optional. Micro 'V' / Hepa / Bag / EU-4 / EU-7 / EU-9 / EU-13 / Special Filtration Section.
- Heat Recovery Wheel Section.
- Spray / Pan Humidification Section.
- Other special sections as per individual customer requirement.

Fan Coil Unit

A Fan Coil Unit (FCU) is a device that uses a coil and a fan to heat or cool a room without connecting to duct work. Indoor air moves over the coil, which heats or cools the air before pushing it back out into the room. FCUs can be less expensive to install than ducted systems and are available in ceiling, floor-mounted and free standing configurations.



- Wide range of 8 models - 1, 1.5, 2, 2.5, 3, 3.5, 4, 5 TR
- Whisper quiet operation and energy efficient
- Ultra low height
- Detachable fan panel ensures ease of service of fan motor and coil
- High indoor air quality
- Galvanized powder coated cabinet
- High quality stainless steel drain pan (Galvanized steel finish option also available)
- Available in both Chilled Water and DX options.

Options available in Fan Coil Units:

(a) 3 row cooling
(b) 4 row cooling
(c) 3 row cooling and 1 row heating

Precision in Design
Quality Cooling

Ductable Type Unit

The SBC Cooling range of Packaged and Ductable Units are designed to be the most intelligent and Compact systems, to cater to the total cooling requirements. Application include offices, banks, departmental stores, entertainment centers, multiplexes, restaurant, fast food center, residences, computer rooms, telephone exchanges, hospitals, auditoriums, conference halls, theatres, factories, control rooms, etc.

These units are available in both Air-cooled and Water-cooled options.
Cooling Capacity : 2 TR to 17 TR
All models are also available in R-407c / R-410a Refrigerant

Energy Efficient : Ensures the comfort cooling by shutting and starting while reaching desire temp as set by ± 2°C

Compact : Better cooling with lesser indoor and outdoor space.

Reliability : Our design are best in class with high level of reliability.

Humidity Control : By using inbuilt pan and spray type humidifier when and as needed.

Digital Temp. Controller : For easy operation SBC Cooling provide standard range of DTC for maintaining temp, air flow and humidity control.

Fan Speed Selection : Controls high / medium / low flow of fan.

Motor Protection Device : Give safety from power fluctuation.

Equalizer : Our fully automatic controller ensures.

Cold Room, Blast Freezer, Deep Freezer & Vertical Freezer For Pharma Application

Our Cold storage & Blast rooms are design with complete research & trial for maintaining medicines, vaccine ,sample material, etc.....Get contractor-friendly products & solutions built with market leading expertise that are available everywhere and enable you to comply easily with regulations and save on installation and maintenance. Make the right choice for optimum protection of perishables, efficient operation and long lifespan. With an extensive range of refrigeration solutions, experience and know-how, SBC is a competent and trustworthy partner for the pharmaceutical industry. Explore our solutions for reliable cold rooms & Blast Freezer.

Temperature Range :
From (+2°C) to (-40°C)

Floor:

- For Kota stone or concrete floor, Puf Slab with both side tar felt coated.
- For Kota stone or concrete floor, both side metal surface panel in which each side fits with cam lock and prevent temperature loss.
- Aluminium Chequered Plate with Marine Ply.
- FRP Cladding on floor.

Doors :

- **Flush Type :** Swing Door with FRP Profile, Imported Hardware.
- **Push Type :** Gasket & replaceable heater for easy door operation & long life.
- **Over Lap Type :** Teak wood frame with metal covering by using heavyduty hardware for better strength.
- **Sliding Door :** Sliding Doors are very easy to operate, greater in efficiency and better in performance. Also, In terms of safety, long service life and smooth in operation.
- **Hatch Door :** Different size hatch door with heavy frame for easy material movement in high turnover ice cream and dairy industries.
- **Pressure Ventilator :** Tri-action pressure ventilator with/ without heater to balance pressure and vacuum inside cold room.
- **View Port :** 12" X12" View port with three layer argon filled toughen glass which can be visible up to -20°C inside the cold room.

- **Strip Curtain :** Semi transparent PVC strip curtain for minus temperature application to prevent heat loss and ultimately the power.

Deep Freezers

Our Deep freezers are crucial for maintaining the safety and efficacy of medications and vaccines. Improper storage conditions can lead to product degradation, reduced effectiveness,and even patient harm.Therefore,this deep freezer & vertical freezer play a vital role in healthcare and pharmaceutical industries by ensuring that these temperature-sensitive products remain stable and safe for use.

- Cooling coils are placed between foamed-in-place PUF insulation and inner side of stainless steel chamber eliminating any chances of FROST FORMATION on the evaporator which leads to choking of COMPRESSOR/CONDENSING UNIT.
- High density foamed-in-place polyurethane foam (PUF) insulation for minimum cooling losses.
- Evenly spread evaporator accounts for higher temperature uniformities throughout the cooling chamber.
- Specially designed DEEP FREEZER HORIZONTAL LATCHES to keep the door tightly locked eliminating chances of any cooling loss Outer made of powder coated GI & Steel Sheet.
- Inner chamber made of stainless steel (SS-304).
- ECO FRIENDLY COMPRESSOR with CFC-FREE refrigerant.
- Fitted with Digital Temperature Indicator-cum-Controller with in-built HI/Low.
- Long Lasting Performance
- Corrosion Resistance
- Low Power Consumption

Vertical Freezer

As per Expect requirements of our client. We are offering a board collection of SS, four & above door Vertical freezer with complete SS-304 inner and outer body. This product is developed at our manufacturing unit by highly skilled engineer in this domain. We are offering finest quality components and progressive technology. Offered products are accessible in varied specification as per need of customers. Our products are acknowledged among customers for their uses / benefit.

Technical Specification

Model	Capacity Ltr.	Dimension (W X D X H)	No. Of Door
SBC- VF - 600	6 0 0	40" X 25" X 72"	2
SBC- VF - 800	8 0 0	48" X 25" X 72"	4
SBC-VF - 1000	1000	48" X 26" X 84"	4
SBC-VF - 1200	1200	53" X 30" X 84"	4
SBC-VF - 1500	1500	62" X 30" X 84"	6

Salient features

- Perfect Cooling
- Attractive Design
- Rust Resistance
- Low Power Consumption
- Long Lasting Performance

Condensing Unit & Evaporator

Processed food industries segments like poultry, Marine and meet processing heavy duty operation, while the ice-cream industries are growing by leaps and bounds and needs significant storage facilities of production and distribution point. To tackle these critical temperature requirement.

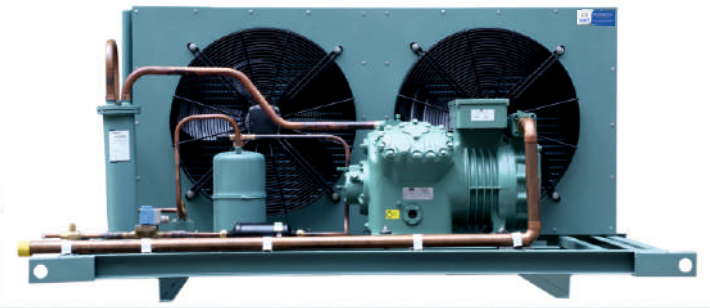
SBC Cooling Condensing Unit and Evaporator are very efficient and require minimum floor space and head space. These are easy to maintain; hence they are very widely used in medium to large capacity refrigeration systems.

We offer a premium range of condensing unit and evaporator. This has wide application for comfort / industrial A.C plants, cold room and clean room. These units are manufactured by using latest technology and can stand with high pressure and temperature.

Condensing Unit

- High cooling with low power consumption.
- Designed for high ambient condition up to 55°C.
- Condensing coil with inner grooved copper tubes and aluminum fins.
  Efficient fans with external motors for single phase and three phase.
- High and low pressure cutout including mounting brackets wired to terminal strip.
- Large size filter drier, moisture indicator, solenoid valve, oil separator and accumulator.
- Shell and tube type condenser with high cooling capacity for high ambient conditions.

From 5 TR to 50 TR



Evaporator From 5 TR to 50 TR

- **Fan :** High reliability, lower temperature resistance and low noise external rotor fan.
- **Coil :** High efficiency heat exchange with in line tube system for minimum loss of air flow between ans and large surface area for better cooling.
- **Defrost :** Use electrical heating stainless steel pipe, high leak proofness at the end and anti-electrical leakage and long life.
- **Unit body :** Aluminium, PU type powder coated, corrosion resistant and nice appearance body.
- **Maintenance :** Compact, adjustable and easy open able side panels for easy installation and maintenance.

Water Cooler

- Models Available From 10 Liters to 500 Liters
- Fully SS 304 Body
- Inner & Outer Structure is Made from Stainless Steel
- Designed to be user Friendly

Model	Storage	Cooling	Gas	Cap	Size	Tap
SBC– 10	10	10	R - 134a	10	11" X 11" X 36"	1
SBC– 15	15	15	R - 134a	15	12" X 12" X 37"	1
SBC– 20	20	20	R - 134a	20	14" X 14" X 39"	1
SBC– 30	30	30	R - 134a	30	16" X 14" X 41"	1
SBC– 40	40	40	R - 134a	40	17" X 17" X 46"	2
SBC– 60	60	60	R - 134a	60	17" X 18" X 50"	2
SBC– 80	80	80	R – 407c	80	20" X 18" X 52"	2
SBC– 100	100	100	R – 407c	100	25" X 18" X 52"	2
SBC– 150	150	150	R – 407c	150	31" X 20" X 52"	2
SBC– 200	200	200	R – 407c	200	34" X 22" X 52"	3
SBC– 300	300	300	R – 407c	300	36" X 26" X 52"	4
SBC– 400	400	400	R – 407c	400	42" X 30" X 52"	4
SBC– 500	500	500	R – 407c	500	45"X 34" X 60"	4

Also available in special design & capacity with RO Space as per requirement.

- Cooling retention. A unique In-suite PUF insulation ensures that water remains cool for a longer period in case of power outage and hence saves power.
- Eco Friendly Refrigerant.
- Durable Tank.
- Faster Cooling.
- Aesthetic & Compact Design.
- Normal & Cold Water option.

Panel Air Condition

General Characteristics :

Air Flow : Two independent air circuits, the internal circuit circulates cool Air in the panel and the external air circuit dissipates extracted heat to the atmosphere (special ductable models available to expel condenser hot air to other locations)

Cooling Circuit :

Includes sealed compressor, metering device and associated refrigeration equipment.

Temperature Control :

Microprocessor Controller with programming through multi-function keys and alphanumeric display with easy access man / machine interface. Digital display of actual and set temperature values. Stores parameter / programmed values in non-volatile memory adjustable time delay between starts warranting the minimum time for temperature equilibrium and compressor start-ups. Thermostat (electronic or electro-mechanical) in models where space constraints do not permit the use of microprocessor controller.

Drain Pipe :

To remove moisture / condensate in the panel.

- Potential free alarm for high and low temperature.
- High / Low pressure switch.
- Fan failure alarm module.
- Door limit switch interface.
- Aluminium body (telecom applications)
- Stainless Steel body (coastal areas, food processing and pharmaceutical applications).
- Low humidity module.
- Water-cooled condenser for high ambient environment.
- Custom built size for replacement of imported units and Special applications.
- GI Powder Coated Body.
- High Sensible Cooling.
- High Static Backward Curved Fan.
- Fully Programmable Microcontroller.
- Over/Under load Protection.

Capacity :

Panel Air Conditioners are available in various capacities viz., 100 to 15,000 W.

Application For :

- CNC Machine
- Textile Machine
- Telecom ODC
- Small Server
- Electronic Panel
- Telecom ODC

SBC COOLING PVT. LTD.

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GP Gujarat State Petronet Ltd.	AARTI INDUSTRIES LIMITED	LAKHOTIA POLYESTER	MERIDIAN ENTERPRISES PVT. LTD.	Vision Polymer
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clients


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Shreeji Chemicals

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