



We, at Rinac, begin with seamless solutions for cold chain and modular construction. Soon, a relationship develops, empowered by our domain expertise, service excellence, and customising capabilities. As the bond deepens, you will discover that we invest in curiosity, innovation, and ingenuity; constantly questioning perfection, and leveraging our resources to nurture each relationship into a win-win proposition. What's more - warm, pro-active support is always just a call away through RinaCare, our dedicated relationship service group.

After 25 years of dominating the Indian market, offering a wide range of innovative and sustainable solutions, Rinac is taking another giant leap by partnering with Fujian Snowman Co. the world leader in refrigeration technology.



**THREE NAMES.
ONE PROMISE OF EXCELLENCE.**



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Flake Ice Machine

Flake Ice Features

- Directly formed at low temperature ice flakes are as cold as below-8°C
- Once formed, ice flakes are dry, clean, beautiful in shape, sanitary, convenient and not likely to lump
- Relatively big contact area and good mobility can ensure their full contact with refrigerated objects to realize good preservation effect
- Without any acute edges and concerns, ice flakes cannot damage the surfaces of refrigerated object, extremely benefit storage and delivery
- Small size and lightweight convenient for use

Application Fields

- Concrete cooling project
- Marine and aquatic food processing
- Marine temperature reduction
- Food processing
- Artificial skiing ground
- Medical facilities
- Dye chemical industry
- Medium and large chain supermarket
- Fresh preservation and cooling field application

There are two options available

- Freon refrigeration units are usually applied in the small and medium size refrigeration systems.
- Ammonia refrigeration units are usually applied in large scale refrigeration.



Flake Ice Evaporator

Special design, high efficiency and energy saving

In design and development, the internal structure is paid with special attention so as to improve the heat conduction efficiency of the inner wall of evaporator and keep the loop unblocked with special technology

The internal scrapping mode has been adopted. Under this mode, the ice blades scrape ice on inner wall while the evaporator itself doesn't move. It reduces loss of energy as much as possible, guarantees supply of cooling agent as well as lowers the probability of cooling leakage.



Special material

In terms of materials a special kind of imported alloy is adopted. Its heat conduction performance is superior and conforms with international standards for refrigeration pressure containers.

Special processing

We have specially researched and developed a set of technology of welding, surface treatment and stress elimination. It is realized by the advanced equipments of welding, heat treatment and stress.

Water return system

The water flowing down the inner wall of evaporator, flows into the water pan at the bottom of evaporator and then to the water tank. The large-area design and structure of water reception pan ensure that no water leaks from the bottom of ice flaker and avoid lumped ice flakes.

Scientific design and many years of engineering experience

Snowkey will offer you the best system solution according to customer's requirement. We have supplied ice flaker systems and offered technological consultancy to customers from various places.

Safety and sanitation

Every component of our ice machines is made of SUS304 stainless steel, pure aluminum alloy or PE material. The ice is dry, pure, powder less and unlikely to lump in the lower part of the machines. It fully conforms to the certification requirements of HACCP and FDA

High reliability and low breakdown rate

Through several decades of research, our flake ice machine can stand over 26,000 hours of constant operation without breakdown.

High efficiency and energy saving

SNOWKEY internally-scraping ice flake units can function constantly without wasting energy and also adopted a special kind of alloy material and patent processing technology to

ensure efficient heat conductivity. The freezing surface of the flake ice is over 1750 m²/ton. Compared with other brands, SNOWKEY flake ice maker can produce more ice when the same compressor is used.

Simple maintenance and convenient moving

The equipment is designed on modules basis hence, it is easy to remove and install parts. While designing, we always take care the convenience aspects for moving the equipment to other locations.

Great adaptability and stable quality

SNOWKEY products can ensure good running and normal ice output at the environmental temperature of 5°C~40°C.



Tube Ice Machine

Tube Ice Features

- Special ice making method to remove water impurity. The ice is hard and powderless
- The tube ice in hollow tube shape is transparent sanitary and environment friendly
- Several dimensions for your option. Outer diameter: 22, 29, 38, 41 mm and custom to your requirement.
- Compared with flake ice, tube ice has longer melting time.
- Suitable for storing and transporting and applicable for several fields.

Tube Ice Evaporator

- Direct evaporation with high efficiency
- Special water line design to guarantee ice quality (even thickness, beautiful tint, clean and sanitary) and water saving
- Special refrigeration loop design to improve refrigeration and ice doffing efficiency
- The only moving part is durable ice cutting system to keep run performance
- Efficient heat conducting pipe to ensure meet the sanitary requirement of the whole refrigeration process and greatly improve the system refrigeration efficiency



Tube Ice machine Application Fields

- Edible ice factory
- Port ice plant
- Coffee shop, bar and hotel etc
- Supermarket convenience shop and restaurant, etc
- Aquatic products and food fresh preservation
- Logistic fresh preservation
- Chemical and concrete projects



Tube Ice Machine

High reliability, low failure

80% components are world famous brand. Through decades of research and practice. SNOWKEY products can run continuously without fault and keep good run and stable ice output even in ambient temp 5°C-40°C. Special designed machine can even allow normal run in most atrocious conditions (-5°C - +56°C).

Scientific design and advanced processing technique

SNOWKEY designs and makes the best system according to customer's actual demand. With world leading technology and equipments. Each part is strictly tested before using.

Sanitary

Quality and sanitary tube ice maker is the aim of SNOWKEY. All parts contacting with water are made of stainless steel SUS304 or SUS316L and PE material. Tube ice produced is sanitary, meeting HACCP and PDA certificate requirement.

Efficient and environment friendly

With stable continuous running. SNOWKEY tube ice maker realizes running without energy wasting compared with other ice making equipments. SNOWKEY boasts advantages of compact structure, small area, low production cost, high refrigeration effect and low energy consumption etc.

Module design and simple maintenance

SNOWKEY tube Ice maker has module design for simple maintenance on site. Tube ice maker can be installed inside a standard container, very suitable for frequent moving occasion.

Automatic control

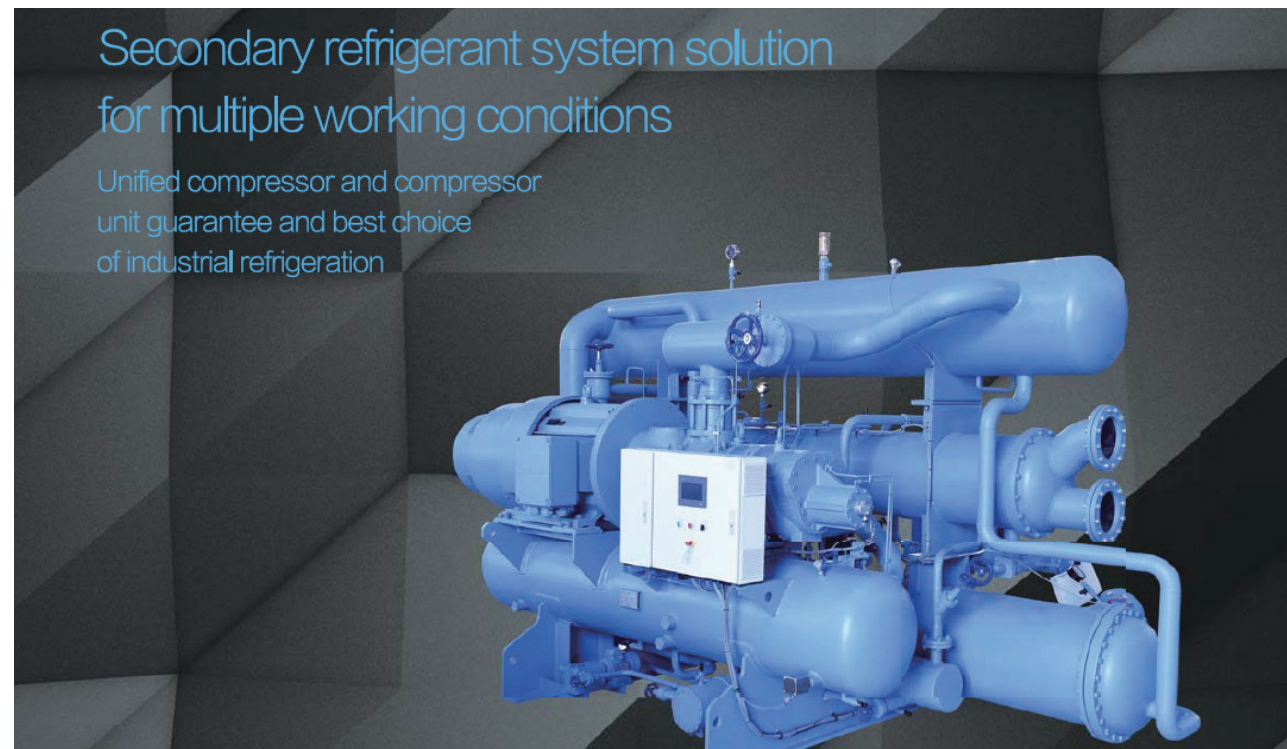
PLC & HMI are adopted for SNOWKEY tube ice maker to realize one-key operation. Several sets of large system in parallel connection can be centrally controlled with remote control interface.





Brine Chillers

CWS Series Brine Chiller with Open-type Screw Compressor. Temperature -5°C to -40°C



SRM-TEC standard brine chillers with **open-type** screw compressor and brine chiller with RefComp **Semi-hermetic** screw compressor are of optimised design in line with advanced SRM-TEC screw technology.

CWS Series Brine Chiller with open-type-Screw Compressor - Temperature -5°C to -40°C.

Pioneers in Screw Compressor Technology.

Patented design supports other Screw Chiller manufacturers.

10% - 100% stepless capacity regulation.

Selectable Vi (Volumetric Index) - High efficiency operation under various conditions.

Rotor manufactured with quality forged steel for low temperature application.

Precise and high wear-resistant roller bearing with a design life of 100,000hrs.

Innovative shaft seal structure for high sealing and wear-resistant performance, applicable to speeds up to 10,000rpm;

High-strength housing design using nodular cast iron, with working pressure up to 2.8 Mpa. Special temperature resistant casting guarantees a steady operation under low temperature conditions.



CWS Series Brine Chiller with Semi-Hermetic Screw Compressor-Temperature -50°C to -300°C



International Advanced Compressor

RefComp semi-hermetic screw compressors with motor and screws in the same shell structure avoids shaft seal leakage problem.

Refrigerant cooled motors of customized material, compatible for a variety of refrigerants.

Motor protection module to prevent motor burning.

Multiple bearings paired to avoid the rotor axial/radial wear with low noise designed to last up to 80,000 hours.

Control solenoid valves of step/stepless refrigerant capacity regulation to suit different load conditions.