

If you are experiencing any refrigeration problems, contact us. We will resolve it within days with performance guarantee — our promise.



WELCOME TO THE DAWN OF A NEW ERA IN INDUSTRIAL REFRIGERATION AND COOLING!



**SINGHSONS REFRIGERATION**  
*Cooling Economized!*

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[www.singhsonsref.com](http://www.singhsonsref.com)



**SINGHSONS REFRIGERATION**  
*Cooling Economized!*



## About Us

We are an innovative refrigeration and air-conditioning business group with a range of operations from conceptual design to commissioning.

Headquartered in Mumbai, we have been in the business of refrigeration and air-conditioning for decades, boasting some of the most coveted technical qualifications and experience in servicing 100s of clients across domains and geographies.

We have manufactured and supplied around 2000 high sensible Package AC Units to telecom service providers across India. We aim to deliver the latest, state-of-the-art technological solutions with the highest added value, at a competitive cost benefiting all our customers.

Our company has boldly transformed to build solid value for our customers by providing them with industrial refrigeration and air-conditioning solutions. We offer professional customer services in industries and sectors in more than 12 countries across the globe.

### OUR VISION

To become the leader in industrial refrigeration through our sustainable cooling solutions.

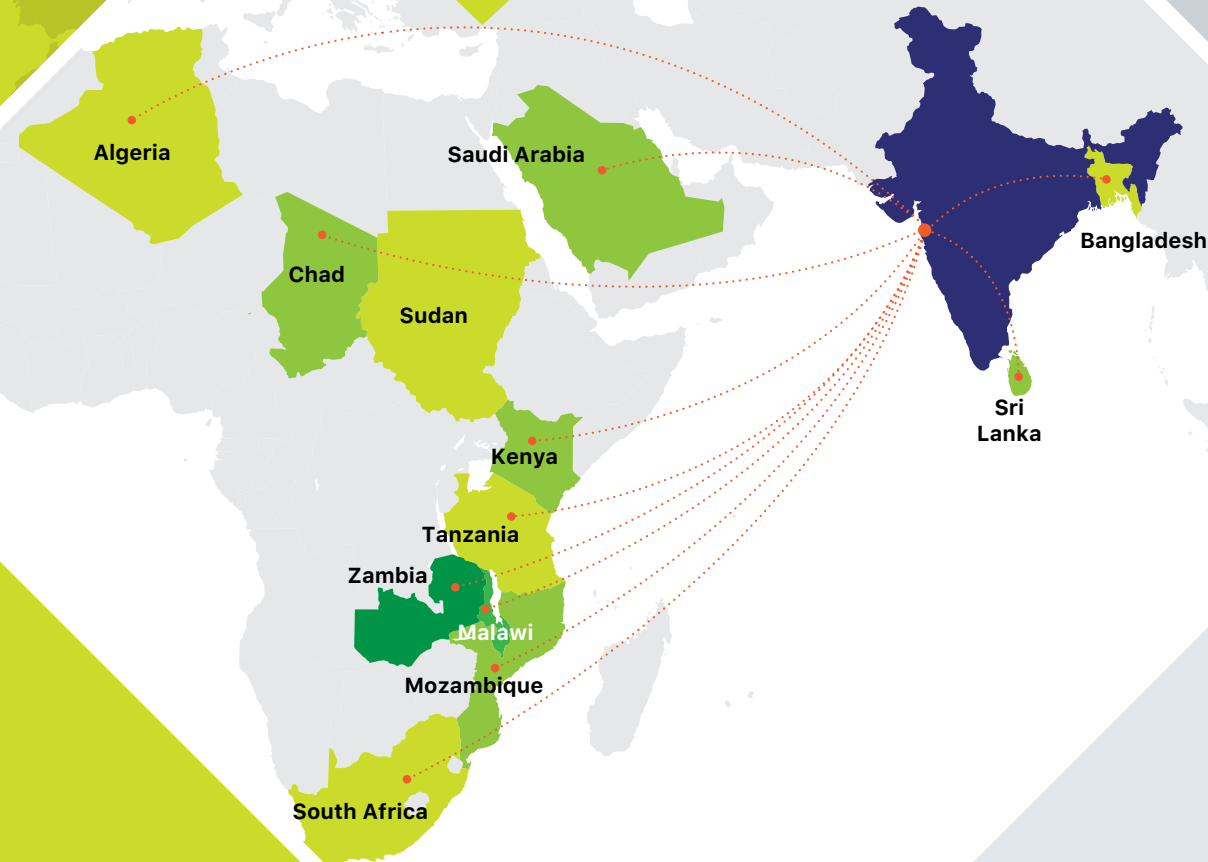
### Application of refrigeration in the chemical sector

Our refrigeration and cooling systems are designed to fulfill every requirement based on specific characteristics of the industry.

Most of our equipment are used to maintain process parameters through different phases of distillation, crystallization, condensation or other processes.

Chemical industries have various types of equipment that requires precise temperature control. So, to achieve the desired product, it is crucial to maintain a constant temperature in the vessels. We offer robust refrigeration systems to help companies achieve their various chemical tasks to remove heat from exothermic reactions and maintain materials at a specific temperature.

### OUR MARKETS INCLUDE:



## OUR INFRASTRUCTURE

We manufacture durable, latest state-of-the-art machines in a 20,000 square-foot manufacturing space with an infrastructure comprising of:

- EOT cranes
- Lathe machines
- Planer machines
- Rolling machine
- Radial Drill machines
- Band Saws
- Vertical lathes
- Milling machines
- Shaping machines

And many more

From design, engineering, manufacturing and installation, Singhsons Refrigerations' complete line of specialised machine solutions offers exceptional yield, long-term durability that outlasts and performs over our competitors. Our high-quality, robust machinery comes with the highest standard of efficiency that will lay a foundation for your success.

  
**ISO 9001  
2015  
CERTIFIED**

## OUR MISSION

We aim to build on the value of our loyal customer relationships through our cutting-edge product innovations and exceptional customer service.



## Our Team

As a family-owned business, we emphasize on the importance of ownership, management and family values in driving the company. From building long-term stability, trust, flexibility and shared values, our leadership team has ensured that our organisation has become the singular, trustful technological partner for our clients across sectors and countries.



### FOUNDER

#### JAGJIT SINGH

As the first-generation family head that established Singhsons Refrigeration, Jagjit Singh was instrumental in positioning the company for ongoing success by envisaging a fast-changing business landscape.

Having moved to India after the partition in 1947, Jagjit Singh began the company from scratch. After completing his B.E (Mech.), he gained experience by working in several refrigeration companies and became a resident engineer at Castle Rock Fisheries, wherein he designed and installed large commercial refrigeration plants at over six locations in India.

Given his rich and varied experience, he progressed to start importing various refrigeration systems. Having garnered significant experience in the industry, he eventually moved on to building refrigeration systems in India that sowed the seeds of Singhsons Refrigeration.

**Three Generations of Experience.**

**Five Decades of Cooling.**

### MANAGING PARTNER

#### GAGANJIT SINGH

Powered by passion and innovation, Gaganjit Singh has had humble origins that he steered into our growing vision to drive key responsibilities at Singhsons refrigeration.



While still studying at the University, Gaganjit Singh mobilised his education and began working with his father to maintain the refrigeration plants. Armed with a Chemical Engineering Degree from Institute of Chemical Technology (formerly known as UDCT), Mumbai, Gaganjit Singh applied his knowledge and experience to foster the growth of Singhsons Refrigeration in India.

As a family business leader, he has been imperative in laying the groundwork for seamless expansion and planning to the next generation of business leaders in the Singhsons family.



### PARTNER

#### AMANDEEP SINGH

Amandeep Singh holds a B.E in Electronics from Mumbai University, 2009. He has been influential in conceiving and constructing numerous refrigeration systems at the company with high levels of automation.

Amandeep Singh's designs have been highly appreciated and lauded by clients worldwide. They have ensured state-of-the-art cooling systems that have reduced operator involvement and greatly enhanced plant efficiencies.

At Singhsons Refrigeration, Amandeep Singh heads Automation and PSU Business.



### PARTNER

#### GURJYOT SINGH

Gurjyot Singh holds a B.Tech in Production Engineering from the prestigious VJTI in Mumbai. Having completed his engineering degree in 2017, he was employed at Ernst & Young for 12 months, where he gathered rich business experience.

At Singhsons Refrigeration, Gurjyot Singh is chiefly responsible for developing private business and new marketing strategies. He currently heads Marketing - Strategy, Private Business and Operations.

## Our USP

We use state-of-the-art tools, equipment and technologies combined with innovative management procedures for every engineering project we install.

Having created customised solutions based on our client's requirements. We have developed expertise regarding typical needs of the industry, with a deep focus on productivity and consistency.

### Trusted Turnkey Single-Source Solutions Provider

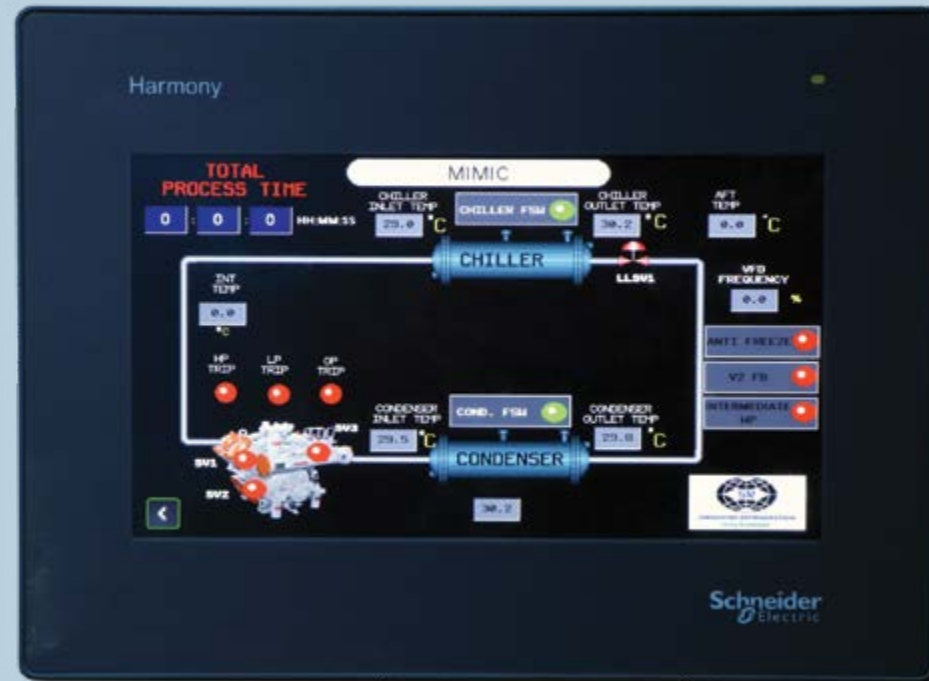
We deliver industrial systems and services tailored to your industry and company needs along with -

- Sound Technical System Design
- Automation and Reliability
- Simplicity and Feasibility Check
- Training and Technical Support
- Complete SKID Module
- Fit and Forget Design
- Fully Automated

Our products, services and solutions integrate sustainability aspects to aid our clients in becoming more energy-efficient and eco-friendly.

## AUTOMATION

We provide our customers with the complete range of automated refrigeration plants. Some of our varied skills include automating our clients' existing running plants for energy-saving, exceptional performance. Since our suction valve automation eliminates operator involvement, we further help you reduce skilled labor dependency.



It can be challenging to monitor and control critical parameters in manual plants, such as suction superheat measurement, pressure controlling and level controls. We employ several components such as, electronic expansion valves, PLC, liquid level transmitters, motorized valves, level switches etc., that optimize your plant and make it the perfect solution for every process and all your requirements.

### Why automation is required?

- Addressing the shortage of manpower
- Monitoring multiple parameters of the same time
- Increasing efficiency
- Maximizing equipment longevity
- Data logging of temperature, pressure etc.
- Servicing alerts
- Remote monitoring of operations with SCADA and IOT

## LOW-CHARGE AMMONIA SYSTEM

It is a well-known fact that ammonia is a highly toxic gas and has a pungent odor. But it has a wide range of benefits that surpass its negligible drawbacks. And that's why Singhsons refrigeration uses low charge ammonia systems for the following reasons:

- Limiting the risk in an event of an accidental release of ammonia
- Safety assurance
- Performance improvements and higher efficiency
- Money-saving on refrigerant charge

• **Reduce refrigerant charge by 80%**

### Advantages of Ammonia as a Refrigerant

- Alternative Sustainable Refrigerant
- ZERO Ozone Depletion Potential
- Zero Global Warming Potential
- Economical Cost
- Easy leak detection



## WASTE HEAT RECOVERY SOLUTION

Waste heat is a valuable energy source that can give you an unbeatable opportunity of enhancing your operations while at the same time drastically cutting down your carbon footprint.

Optimize your energy system with Singhsons Refrigeration's Waste Heat Recovery Solutions — **RECOMAX**.

Let energy saving play a critical role in your business and allow our waste heat recovery solution to provide you with the full energy content of the fuel to be utilized more efficiently than losing energy.

Benefit from our compact, ready-to-install heat recovery unit. Merge our heat recovery unit easily and effortlessly with your existing boiler or process to generate continuous supply of hot water up to 90°.

### Our heat recovery unit:

- Collects Waste Heat
- Reduces Fuel Consumption
- Decreases Energy Costs
- Cuts Operating Expenses
- Is Green and Environmentally-Friendly

• **Generate hot water up to 90°C**





# Our Products

For complete comfort and reliability, 24 x 7 hassle-free maintenance, year after year, Singhsons Refrigeration offers the most reliable and long-lasting refrigeration and cooling solutions for the chemical sector.

## CHILLING PLANTS

Our chilling plants offer the perfect combination of thoughtful design and intelligent technology. In large-scale industrial production processes, accurate temperature control is what determines the success and the working efficiency of the process. We offer proven chilling plants to ensure speedy services without compromising on quality or safety.

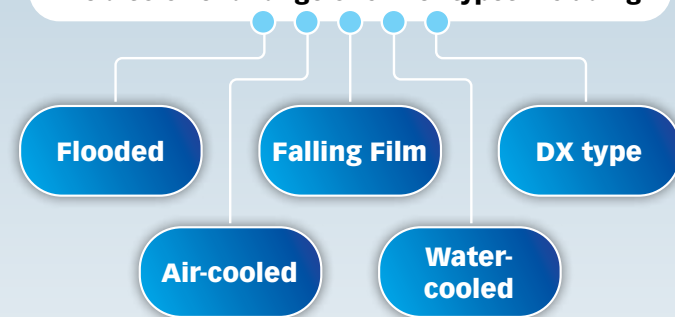


**Our plants come in various compressor options such as —**

- Reciprocating compressors
- Scroll compressors
- Screw compressors

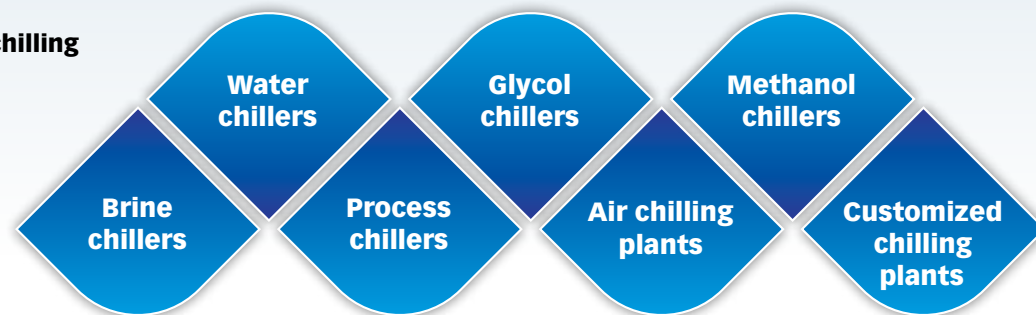
Along with models available in a wide variety of branded makes: Kirloskar/Mycom/Bitzer/JE Hall/Emerson etc.

**We also offer a range of chiller types including**



We also cater to our client's production capacity. So, depending upon your requirement, we provide you with the right plant ranging from small to large.

**Types of chilling plants we provide:**



**Benefits:**

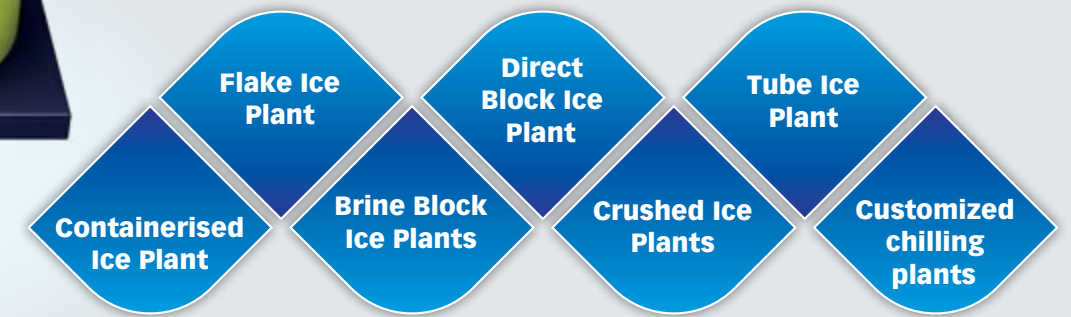
- Skid-mounted chiller with panel – ready to start
- High-energy efficiency
- Provides optimal plant capacity
- State-of-the-art automatic chilling plants with PLCs
- Touchscreen interfaces for ease of use
- Designed in ammonia or the latest halocarbon/freon gases
- Low maintenance and longer life cycle
- Low refrigerant charge system
- Minimal power consumption
- Pressure tested at factory

## ICE PLANTS

Our high-efficiency ice-making plants provide the highest production capacity with lower power consumption thanks to our innovative design in cooling coils and condensers. From top-quality flake ice, block ice and tube ice that is ready to use and automatically delivered in metered quantities, we install our fully automatic ice plant and provide our clients with the best after-sales support whenever needed.



**Singhsons refrigeration ice plants**



**We Offer:**

- Low maintenance and long life
- High efficiency under any room conditions.
- Economical cost
- Customised solutions to store and convey produced flake ice with our ice handling solution.

**Ice handling System**

- Mechanical Ice Conveying Solutions – Screw conveying leveling rake
- Pneumatic Ice Conveying Solutions – valves & conveying piping

## HEAT PUMPS

We manufacture fully automatic heat pumps in halocarbon and ammonia variants that work every season to maintain a uniform temperature of chemicals, dyes or any other material unique to our client's business.



As a crucial dual-purpose serving device, heat pump effectively maintains the temperature in any environment or weather conditions. Thus, keeping your process area warm in winter and cool in summer.

**Benefits:**

- High performance and reliability
- Superior energy efficiency
- Innovative technology
- Lowered carbon footprint

**We offer:**

- Customized heat pump solutions
- Fully automatic heat pumps
- Halocarbon and ammonia refrigeration options
- Customized design for diverse for all weather conditions
- Long life and low maintenance

## ICE BANK TANK

Singhsons Refrigeration offers revolutionary ice bank tank systems that are highly efficient evaporator coils placed in a tank with water to deliver water at 0 - 1 °C continuously. With glycols, you can also receive a constant temperature around -20 °C unmatched with other systems.

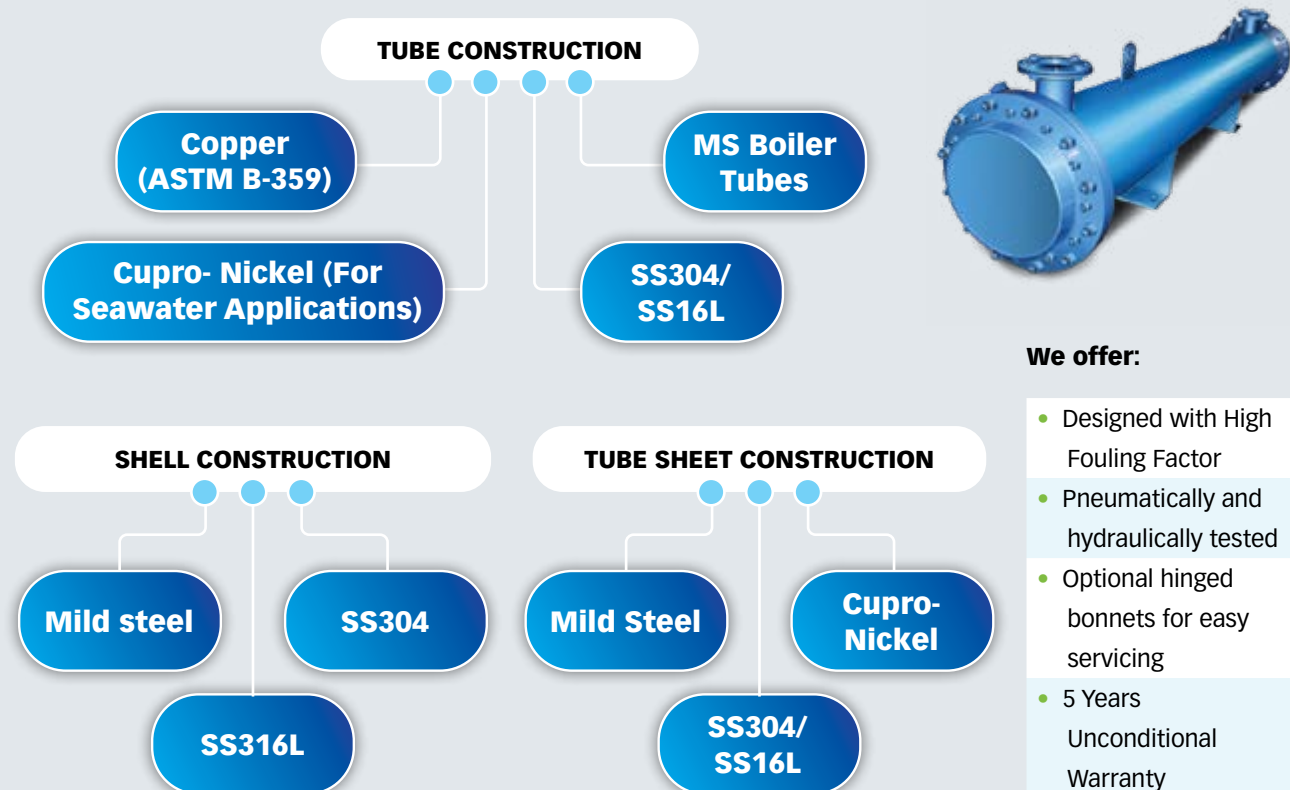


### Features:

- Supplies chilled water at 0 - 1°C.
- No peak load.
- No chance of coil bursting compared to chillers.
- Constant capacity available at all times.
- Greater capacity at night due to lesser condensing temperature.
- Automatically self-cleaning of cooling coils during ice melting process.
- Excellent solution to store thermal energy.
- Drastically cuts down daytime power consumption.
- Offers enhanced control features
- Innovative designs for the Indian chemical industry
- Reduces capital cost due to efficient chiller having best heat transfer coefficient
- Saves energy
- It is easy to maintain and hassle free

## SHELL AND TUBE HEAT EXCHANGERS

Our highly competent shell and tube exchangers are individually designed to withstand extreme pressures and provide you with optimum compatibility on application. We offer a wide range of shell and tube heat exchangers to meet large scale heat transfer demands for various applications.



Our leading-edge capabilities have over 400+ satisfied customers including many repeat orders

### Some of our Clientele

