



ICE BAR MAKING PLANT

We Supply and Install **1 TPD** to **500 TPD** Ice Plants.

Applications : Preserving food, Chemical, Medicine, Fisheries etc.

Ice can size : 25, 50, 100, 120, 150 kg.

Refrigerant : Ammonia (NH_3) / Freon.

Thermal control : Up to -15°C .

Tank insulation : PUF-FRP "Nexgen" Brine tank (Exclusive Advantage).

Advantage:

- High skill installation team for error free system
- Research Driven technology for better yield
- Highest energy saving among industrial standard (up to 35%)
- Reduction in manufacturing cycle / high yield (up to 15%)
- Excellent quality of material in installation
- Non rusting technology for Long life / superior durability
- Free technical up gradation consultancy for clients

CUBE - ICE MAKING PLANT

We Supply and Install Up to **10,000 Kg. / 24 Hrs** Plant.

Applications : Preserving food, Beverages, Chemical, Medicine, Fisheries etc.

Ice Shape : Cube.

Size of Cube : 22*22*22 mm / 29*29*22 mm

Evaporating temp. : -15°C

Condensation temp. : 40°C

Power Supply : 380V/50HZ/3P

Refrigerant : R22

Advantage:

- High skill installation team for error free system
- Research Driven technology for better yield
- Excellent quality of material in installation
- Long life / superior durability with non-rusting technology
- Free technical up gradation consultancy for clients



FLAKE - ICE MAKING PLANT

We Supply and Install Up to **20,000 Kg. / 24 Hrs** Plant.

Applications : Preserving food, Chemical, Medicine, Fisheries etc.

Ice Shape : Flake

Thickness of flake : 1.8mm-2.5mm

Dimension (L x W) : 15mm x 20mm

Evaporating temp. : -20°C

Condensation temp. : 40°C

Power Supply : 380V/50HZ/3P

Refrigeration : R22

Advantage

- High skill installation team for error free system
- Research Driven technology for better yield
- Excellent quality of material in installation
- Long life / superior durability with non-rusting technology
- Free technical up gradation consultancy for clients



ACCESSORIES



ICE CAN – GI



Wooden Frame



Ref. Compressors



Cooling Tower



Chilling Coils



Control Panels

MINI - ICE MAKING PLANT

"EASY TO INSTALL, EASY TO OPERATE, EASY TO SHIFT"

- Capacity** : 1 TPD – 2 TPD
- Advantage** : Easy / Fast Ice manufacturing with low investment.
- Ice Shape** : Bar
- Ice can size** : 10, 25 kg.
- Refrigerant** : Freon.
- Thermal control** : Up to -15°C.
- Tank insulation** : PUF-FRP "Nexgen" Brine tank
(Exclusive Advantage).



The "NEXGEN" Innovative Brine Tank Solution

It has been always a challenge to insulate the Brine tank / chilling tank in land base ice plant industries, the new system will improve the insulation system in compare to existing one.

The Existing structure / Problem in Brine tank Insulation

Currently chilling tanks / brine tank are insulated domestically with Thermocol, wood, paint, bitumen or in some cases liquid of PUF is also injected. Such insulation methods have no control on insulation result, hence due to poor insulation, a big portion of energy is wasted to maintain the lower temperature of tank. Due to poor insulation the refrigeration system need to run for much longer duration to maintain the desired temperature in tank for ice formation.

In any ICE Plant, the most expensive part after installation is the electricity bill and the same is incurred due to heat loss in the system. Considering the involved area and related movement / exposure, the highest energy loss is happening at Brine tank / chilling tank. At Present, people have accepted such heat losses and related expenses as a part of business practice and certainly this additional cost will be pass on to the customer or to bear with reduced profit margin.

Above all this, the loss of energy is a big loss to any country especially country, like; India.

The Innovation / Solution

- It has been always a challenging to insulate the chilling tank in ice plant industries, the new system will improve the insulation system in compare to existing one.
- The specifically designed, manufactured and installed insulators can give the excellent insulation compare to existing one.
- Our tank installation system is design to install in any existing / running plant.
- It is built in design to fit for any size and dimensions.

Key Features

1. Can be installed in existing plant.
2. Can be remove / shift / re-install in same or other location (cost saving asset).
3. Rust free brine circulation (extending plant life).
4. Highest shelf life (up to 25 years).
5. Maintenance free tank system (no rust, no damage, no maintenance).
6. Highest energy saving among industrial standard (up to **35%**).
7. Reduction in manufacturing cycle / high yield (up to **15%**).



Nexgen Insulation & Refrigeration LLP.

"The Insulation & Refrigeration Expert"

: FACTORY :

UNIT # 405, G.I.D.C. ESTATE-2, JUNAGADH, GUJARAT, INDIA.

: COR. OFFICE :

A-512, SIDDHI VINAYAK TOWER, S.G. HIGHWAY, AHMEDABAD, GUJARAT, INDIA.

M: +91 9545-994-644 | E: info@nexgencorporate.in | W: www.nexgencorporate.in

: AUTHORIZED MARKETING PARTNERS (SOUTH) :

SAI VENTURES

19/1, SIVA NAGAR, KAVUNDAM PALAYAM, COIMBATORE - 641030, INDIA.

M: +91 7094-808-005, 9677-318-545 | E: acbalaji@saiventures.co.in