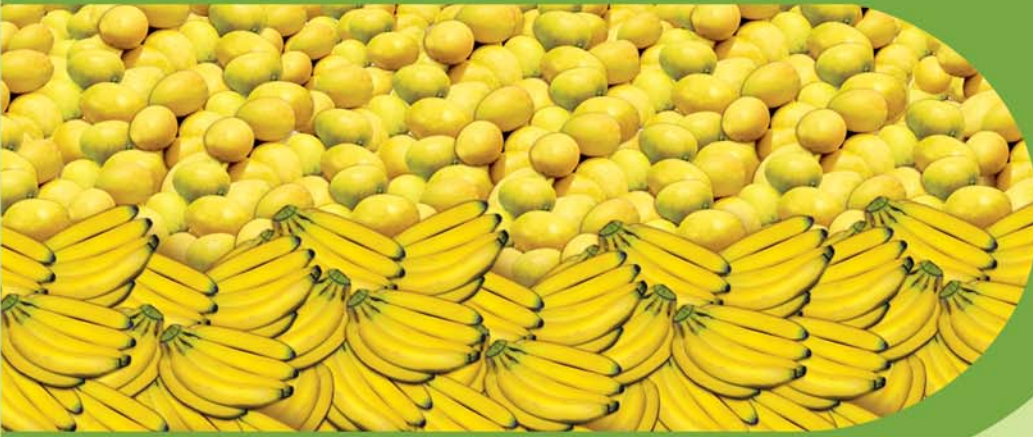




BLUE STAR



Ripening Chambers

Controlled, safe and flexible ripening solutions.



Blue Star is India's leading airconditioning and refrigeration solutions company. With over 6 decades of experience in the field, Blue Star is the one expert you can trust when it comes to cooling solutions. This is especially true when it comes to cold-chain solutions including ripening chambers.

Domain expertise

Blue Star's domain knowledge in the field ensures that each ripening chamber is designed bottom up to maintain the precise conditions required by each specific application. Factors such as humidity, temperature, ventilation, and specific gas emission levels within each ripening chamber are tuned to optimum levels in each chamber design, based on requirements at each facility.

Example: Typical conditions for ripening banana and mango

	Banana	Mango
Fruit temperature	14 to 18°C	20 to 22°C
Relative humidity	90-95%	90-95%
Ethylene concentration	100-150 ppm	100-150 ppm
Duration of exposure to ethylene	24-48 hrs	12-24 hrs
Carbon dioxide	<1%	<1%

Cutting-edge components

Blue Star's state-of-the-art ripening chambers use:

- Reliable, energy-efficient refrigeration units
- High-efficiency PUF insulated panels
- Doors that keep outside atmosphere out and controlled conditions in
- Timer-based electrically operated ventilation systems and exhaust fans
- High CFM evaporators to ensure uniform airflow inside the chamber
- Gas-emission systems for flexible, large-scale ripening processes
- Ethylene generators for sequential ripening solutions
- Humidifiers to maintain high humidity throughout the ripening cycle
- CO₂ and ethylene analysers to monitor carbon dioxide levels*

*Optional

Gas emission systems

Blue Star's gas-emission systems are designed to be safe, fast and precise in their ripening processes. In addition, they offer you the flexibility of ripening more than one fruit at the same time, by maintaining different conditions in different chambers. Features that make these systems the first choice for professional ripening facilities.

Features

- Safe: 5% Ethylene-95% Nitrogen mix generated
- Flexible system: Single system can feed multiple ripening chambers
- Intelligent control: Allows independent levels of generation in each chamber
- Independent settings: Allows ripening of different fruits at the same time in each chamber
- Intelligent microprocessor controller: Ensures precise ethylene generation
- Programmable: Desired conditions programmable as presets through touch screen
- Controller also programmable to generate ethylene at fixed intervals



Ethylene generators

Blue Star's range of stand-alone ethylene generators are ideal for ripening situations where the process is sequential rather than simultaneous. They provide a constant and controlled supply of ethylene into the ripening chamber, by converting a specially formulated ripening concentrate into ethylene.

Features

- Portable: Can be easily shifted from one chamber to the another
- Simple and fast: Just pour in Ethanol II, and ethylene is produced
- Safe: No danger of explosion, so long as instructions given are followed



Select Customer List

A.P. Agro, Nuzvid
A.P. Agro, Tirupati
Agro Shine Food Products Pvt. Ltd., Kolkata
Allagodda Babu, Nandyal
BNR Banana Ripening Chamber, Railwaykodru
Gollapudi Marketyard, Vijaywada
Haryana State Agriculture Marketing Board, Haryana
Heritage, Andhra Pradesh
Jai Bharat Foods, Vijaywada
Madhusudhan, Nellore
Maheshwara Sai Fruit Ripening Chamber, Tadipatri
PRK Fruit Ripening Chamber, Markapuram
Punjab Agriculture University, Punjab
R.P. Farms, Theni
Rama Agro, Aligarh
Rayalaseema Fruit Ripening Chamber, Podhili
Rishi Cold Storage, Vashi
S.R.J. Enterprises, Chennai
SAA Sons Ripening Chamber, Kadapa
Sattar Khan, Cuddapah
Shabir Hati Farms, Nandyal
Sivagami Cold Storage, Trichy
SMS Fruits, Nellore
Sri Krishna Kalyan Fruit Company, Tenali
Star Organic Food Inc., Nellore
Vaishnav Bio Fruits, Punjab
Z.M. Ripening and Cooling Chambers, Nandyal



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