

Ice Make is an Equipment Manufacturing, Project Engineering and Project Management Company as explained above for Dairy, Pharma, Beverage, Fruits & Vegetables and Horticultural Industries, Process Industries etc.

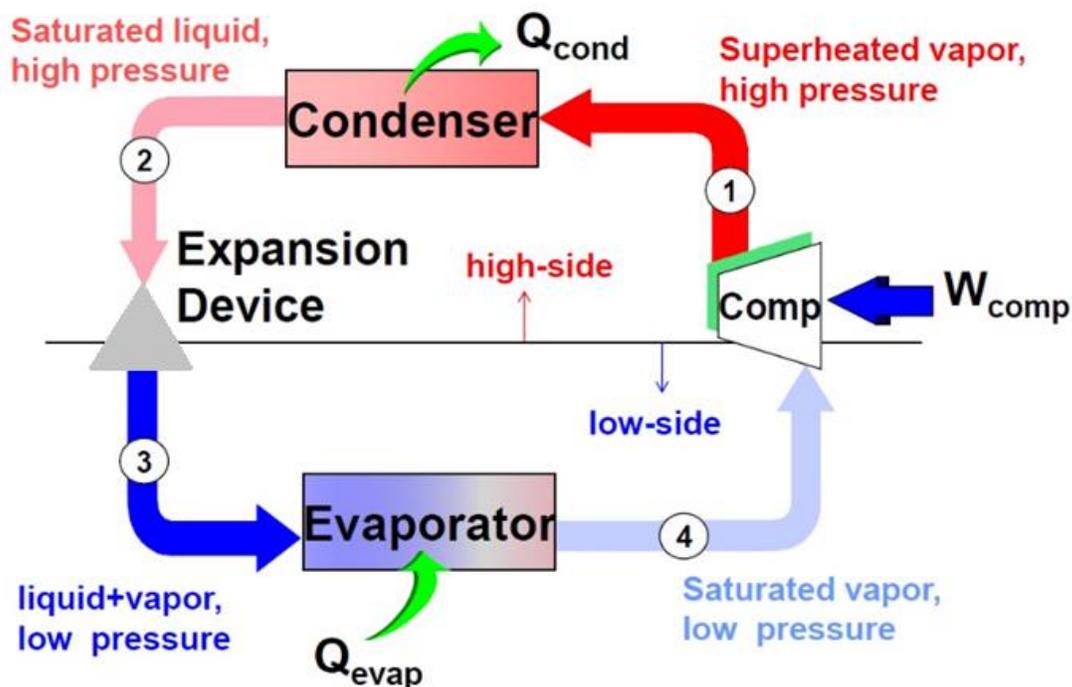
Ice Make manufactures products with **HCFC and HFC refrigerants** and now entering the equipment manufacturing and projects business using natural **refrigerant Ammonia**.

We will extend our services into design, engineering, assembling, fabrication, installation, testing-commissioning with best - quality after sales services for ammonia based water chillers for Dairy, Pharma and Beverage Industries, Glycol chillers for Dairies, Breweries and Pharma Industries, Brine Chilling Plants for Breweries, Pharma, Chemical and allied Industries using Reciprocating as well as Screw Compressors, Shell and Tube, Shell and Plate as well as Plate and Frame PHE Chillers and Shell & Tube, Atmospheric, PHE as well as Evaporative Condensers with in-house manufacturing capability for Atmospheric condensers, Shell and Tube evaporators as well as Condensers.

We will also be able to extend all above services for **ammonia based large cold stores for storage** of Milk & Milk products and blast freezing & hardening chambers for Ice Cream, meat, poultry, Paneer, Cheese and Butter etc.

Where is ammonia used as a refrigerant?

- Industrial systems: large cold storage and process systems
- HVAC systems



Why is ammonia widely used in food processing and storage facilities?

- Because it is an excellent refrigerant!
 - High heat transfer coefficients in equipment, highest COP
 - Efficient compressor operation
 - Low refrigerant cost
 - No ozone depletion & very low/no global warming
 - Sustainable
 - Self-alarmed
 - Natural Refrigerant

We provide Ammonia Refrigeration Technology with,

- Single stage compression with evaporators configured as,
 - direct-expansion
 - flooded
 - liquid overfeed
- Multi-stage compression systems with economizer on two stage compressor
- Cascade systems

Evaporator Technology:



- Air-cooling
 - Very low temperature blast freezing
 - Low temperature holding freezers
 - Higher temperature storage coolers, production areas, air-conditioning
- Liquid-cooling (secondary fluids and products)
 - Shell-and-tube
 - Plate-and-frame
 - Shell and Plate
 - Falling film
 - Scraped surface

- IBC

Condenser Technology:



- Shell & Tube
- Atmospheric
- PHE
- Evaporative
- Air Cooled