Refrigeration Plant

Our company offers high quality and efficient Refrigeration Plants includes Ammonia Refrigeration Plant and Freon Refrigeration Plant. These refrigeration plants use gas, liquid, and mechanical energy to move heat from one place to another.

Freon Based Refrigeration Plant

Freon Based Refrigeration Plant Description:

Refrigeration systems are operated on the “vapor compression” principle. This term simply means that the heat being removed and transported to another location is accomplished by the alternate evaporation and condensation of a refrigerant usually referred to as a Freon. This type of refrigerant plant is controlled by a compressor which varies the pressure on the refrigerant. The Freon gas which transfers heat in a refrigerating machine or heat pump, has the ability to absorb heat when it changes state from a liquid to a gas. Similarly, when the Freon changes back into a liquid it releases its heat much like wringing out the sponge. It is this process that allows us to absorb heat from ground water, concentrate it through the heat pump system, and deliver it to the home in the form of warm air.

Specifications:

- High quality
- Competitive price
- Fast delivery

Freon Refrigeration System:

Can be used R404a, R507 and R22, just replace the refrigeration oil and use any refrigerant.

Applicable to all kinds of cold storage and frozen equipment: Use the advanced single with double-stage compressors and special cooler, heat exchanges, low evaporation temperature of up to -70°C~-25°C.

Cooling Unit ACUB Series

Cooling Unit ACUB Series Efficient Cooling System

For Cold Stoarge & Freezing Room

Description

AIRTECH Air Cooling Unit – energy savers are available in various capacities. These units are highly efficient, having finned cooling coil. The coils are easy to install requiring no expensive field fabrication time or additional costs.

Advantages:

- Saves electricity consumption
- Save product weight
- Saves cold storage space
- Installation (maintenance easy)
- High humidity
- Long Life

Technical Specification:

Model	No. of Fans (HP)	No. of Coils	Capacities (K.Cal/HR/°C) (BTH/HR/°F)	
			3Fins/Fins	4Fins/Inch
ACUB-36	2 (1/3HP)	1	1155 (2540)	1268 (2775)
ACUB-38	2 (1/3HP)	1	1340 (3892)	1895 (4150)
ACUB-40	3 (1/3HP)	1	2592 (5675)	2690 (6100)
ACUB-42	4 (1/3HP)	2	3475 (7690)	3650 (8070)
ACUB-44	6 (1/3HP)	2	3850 (8550)	4225 (9350)

Ammonia Based Refrigeration Plant

Ammonia Based Refrigeration Plant Description

Airtech Ammonia Refrigeration Plants are well designed, manufactured with minute quality control installed with supervision by our experienced engineers. Our aim is for trouble free operation of plant. Keep peace of mind of our valuables clients by using Airtech Refrigeration Plants.

All the major parts like Oil Separator, Condensers, Ice Bank Tank System & IBT Coil, Receiver, Accumulator, Air Cooling Unit are manufactured inhouse.

Our Ammonia Refrigeration Plants having NON CFC AMMONIA GAS, low running cost and easy maintenance, are suitable for following uses:-

- Water Chilling Plant
- Brine Chilling Plant
- Cold Storage
- Deep Freezing Chamber
- Gas Liquification Plants

Ammonia Refrigeration plants are normally used for milk chilling, apple, orange, chemical storage, butter deep freezing, Ice freezing, liquification, CO2 liquefaction freezing complex, Fisheries etc.

Our Ammonia Refrigeration Plants have different features as below:

Low Operating Cost :

Scientifically designed cooling system combined with high efficiency condenser, chiller, compressor, expansion valve provide more efficient water cooling with consequent reduction in operating cost.

Cooling Unit Energy Saver

Cooling Unit Energy SaverEfficient Cooling System

For Cold Storages, Freezing Rooms, & Blast Room

Description

Air Cooling Unit – energy savers, manufactured by AIRTECH in different capacity ranging from 9000 CFM to 42600 CFM. These units are highly efficient with extensive application in Cold Storages, Freezing Rooms & Blasting Rooms.

Standard Unit Features

- Cooling coil fabricated from ¾" pipe staggered in the direction of air flow and tight Aluminum fins / CRC fins to ensure positive bonding between pipe and fins. All coils are Pneumatic tested at a pressure of 300 PSIG.
- G.I. Sheet casing with removable side panel & drain pain.
- Fans are multiblade, light weight.
- Water spray header with spray nozzle for defrosting.
- Choice of ceiling suspended / floor mounting.
- No rusting.
- Axial Fan-balanced.