

## COMPRESSOR RACK



## COMPRESSOR PACK & CONDENSING UNIT



## CONDENSORS



## EVAPORATOR



## ASSOCIATED PRODUCT



ALFA LAVAL  
Authorized Distributor





Alfa plus being the leading supplier of refrigeration equipment is distributor for the prime brand in the industry. Our range of supply extend from mono-block for walk in cold rooms to compressor rack/ Pack, condensers, evaporators, control panels for industrial refrigeration.

Our main products of refrigeration equipment may include and not limited to:

## **REFRIGERATION EQUIPMENTS:**

### **HEAT EXCHANGER:**

Coolers, condensers, radiators (finned coil air exchangers, brazed plate heat exchanger and shell and tube type)

Alfa plus is the authorized distributor of Alfa Laval refrigeration equipments including evaporators, condensers, shell and tube heat exchangers and brazed type heat exchangers.

### **COOLER / EVAPORATOR:**

Alfa Laval coolers have a variety of designs suitable for virtually any application. Alfa Laval offers commercial, industrial coolers and dedicated coolers range for specific application such as agricultural storage, fruit ripening, data centre cooling and blast freezing.



### **SHELL AND TUBE HEAT EXCHANGER:**

The Alfa Laval evaporator range is designed for air conditioning and industrial refrigeration systems and the shell and tube evaporators function is to cool water or brine whereas shell and tube condenser heat water, sea water or brine. The shell and tube range includes different products optimized for HCFC and HFC refrigerants to provide optimal efficiency. PED/CE, ASME, EAC, SELO, DNV and other major marine approvals are available.



### **AIR COOLED CONDENSER:**

Alfa Laval provides Commercial and industrial air-cooled condensers for all H(C)FC refrigerant and ammonia systems, in horizontal or vertical setup or as V-type condensers. Available with either copper or stainless steel tubing as required



### **BRAZED PLATE HEAT EXCHANGER:**

Copper brazed plate heat exchangers provide efficient heat transfer with a small footprint. They are maintenance free, provide a long service lifetime and can withstand high temperatures and extremely high design pressures. They are used in a range of duties including cooling, heating, evaporation and condensation.

## **OUT DOOR REFRIGERATION UNIT:**

Our range of supplies includes standard as well as custom made condensing units, semi industrial compressor pack or rack system and evaporative condensers complete with electrical control panel and all inline components.

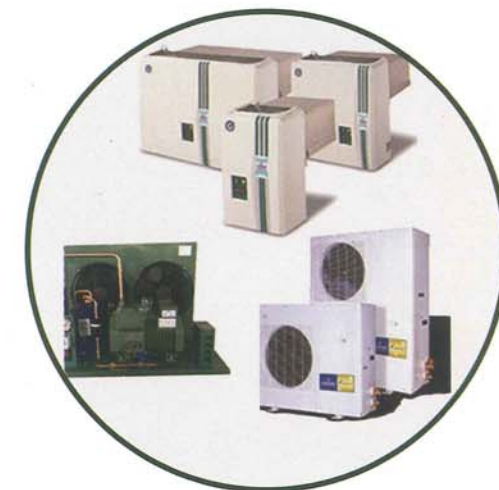
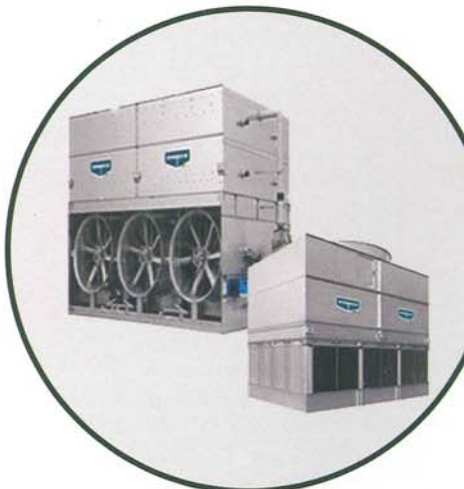


### **COMPRESSOR RACK WITH & WITHOUT CONDENSER:**

Alfa plus's range of supply also includes compressor racks and packs for industrial and commercial purpose including food processing plants, Storage rooms, blast, spiral freezers and supermarkets. Our rack comprises of Copeland/ Bitzer / Bock or equivalent European hermetic/semi hermetic/screw compressors as per the requirement. The pack will be supplied with complete electric wiring and control panel and is pre-programmed ready to use condition.

### **CONDENSING UNIT:**

Alfa plus also provides condensing units and monoblock units for walk-in and commercial cold rooms. Our condensing unit employ hermetic/semi hermetic reciprocating or scroll compressor as per the requirement with oversized condenser considering the extreme ambient condition of this area.



### **EVAPORATIVE CONDENSER:**

Alfa plus supplies induced force counter flow design evaporative condensers with newly designed fins and heat transfer coil. Our condenser offers improved heat transfer during dry operation and significant water saving due to extended period of dry operation. Type 304 or 316 stainless steel construction is available for the basin or the entire unit. These units are designed for easy maintenance as well with easy access to the critical area of condenser.



## ASSOCIATED PRODUCTS:

### INSULATION PANELS:

Alfa plus also provides insulation panels for cold rooms to maintain the temperature as low as -40°C. Cladding for our panel can be custom made as per the project requirement including Polyester pre-painted Galvanised steel, PVC Galvanised steel, and Stainless Steel. Both Polyurethane and PIR insulation will be available with European fire retarded standards. The polyurethane foam at high pressure is injected in between the cladding using a high pressure mixer. The panels can be supplied in standard sizes or custom made as per the requirement.

Cold room are assembled by joining together the panels in required dimensions. The panels are tightly joined together with slip joint, tongue and groove joint or tongue and groove with cam lock.



### DOOR:

Alfa Plus range of supply encompass Hinged doors, Sliding doors, over head sectional doors and high speed roll up doors with European hardware and standard.

### SLIDING DOOR:

The Standard frame in plastic material, internally reinforced in steel, in the low temperature version it is equipped with anti condensation heating cable. Standard leaf consisting of a sandwich panel in pre painted sheet RAL 9010 insulated with PUR density 42 kg/m<sup>3</sup>, perimeter rim in anodized aluminium with a seal gasket along its perimeter. Standard sliding rail in anodized aluminium with carter in white pre painted aluminium. Standard back rail for sliding and regulation, wall mounted, in anodized aluminium; it enables the sliding motion and the seal of the gasket, without additional accessories mounted to the floor that could be obstructive.



### HINGED DOOR:

The hinged doors are available on both positive and negative temperature models. The Frame is in plastic material and internally reinforced in steel. In the low temperature version it is equipped with a heating element. Leaf consisting of two supports in pre-painted sheet white Ral 9010 surrounded by a profile in anodized aluminium with rigid polyurethane foam injected on the inside to act as thermal insulation. Along the edge in anodized aluminium, special rubber gasket guarantees the temperature seal.



### HIGH SPEED ROLL UP DOOR:

"SPEED-ROLL" high speed roll-up doors are designed for use in the industrial and storage sectors. The door opens automatically by a system in which an electric motor wraps cloth around a roller and can be controlled by devices such as a press button, remote control, photocells, metal detector, radar, micro pull switch, etc.

## SUPER MARKET CABINET:

Alfa Plus can provide solution for supermarkets including display chillers, freezers, chest chillers and freezers for poultry, fish, ice cream, fruits, vegetable and other confectioneries. These cabinets are having a different lighting design, rich color options and fully customized features and most importantly high energy saving feature, creates a modern ambiance. Integral design of the cabinet allows layout flexibility so it can be used in many varied applications, for example to create a focus point for frozen product in a specialist fresh food area.

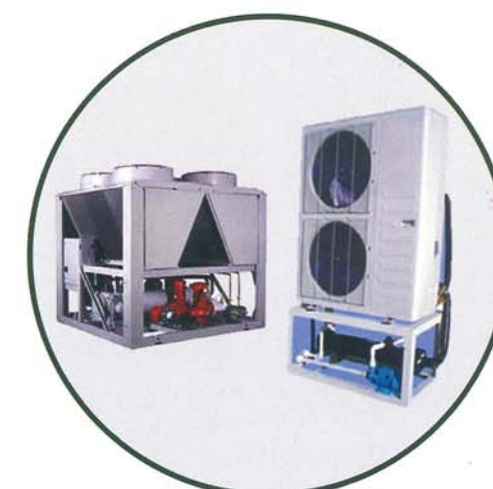


## ICE MACHINE:

Alfa Plus can provide ice making solution for any kind of application including flake ice, ice cubes or block ice as per the requirement. The ice machine can be custom made for the high temperature water in the Middle East region. Our ice machine can have the flexibility of air cooled condenser or water cooled condenser as per the project demands. The ice machine has a user friendly design, with intellectualized PLC touch-screen controller convenient for operator. The intellectualized historical failure record function and guidance of troubleshooting makes easier and simple operation and maintenance.

## WATER CHILLER:

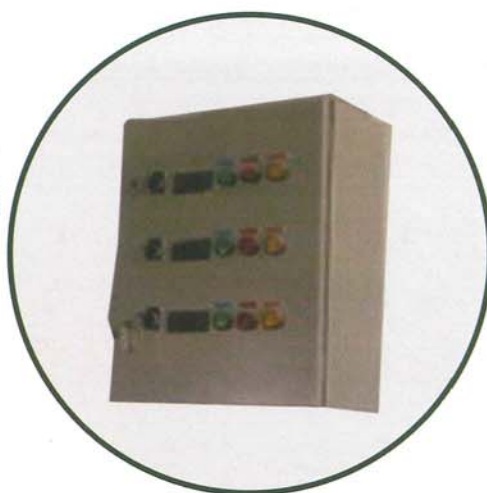
Alfa Plus caters water chiller that meets high standard of engineering and performance. The chillers are having a wide range of capacities and can be custom made as per the project requirement. Alfa plus chiller's capacity ranges from 1 to 100 ton providing solution to plastic processing plant, printing processes, oil coolers, pharmaceutical processing and various similar industries.





## CONTROL PANEL BOARD:

We also supply electrical control panel board for refrigeration system. Our panel consists of complete with Main circuit breaker, contractors, relay and microprocessor control with digital display, indicating lamps and switches etc



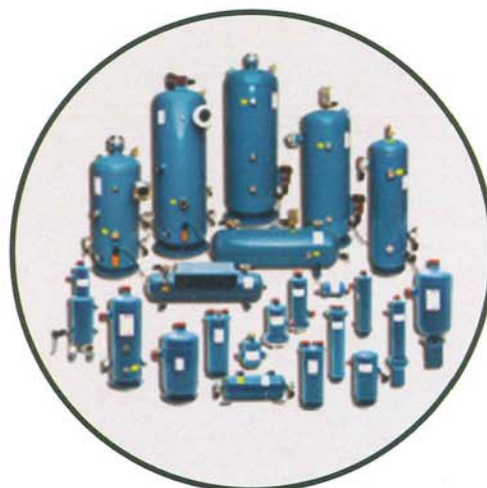
## LED LIGHTS:

Alfa Plus supplies LED lights with most advance technology in the world and offer various indoor lighting sources, such as residential lighting source, office lightings, commercial lightings, hotel lighting and cold room lightings. We also supplies LED lights which can work in extreme harsh condition of -40oC to +40oC.



## REFRIGERATION ACCESSORIES:

Alfa plus can also carter the customer with refrigeration accessories of high quality including liquid receivers, filter drier shells, filter driers, mufflers, suction line accumulators, oil separators, oil level regulators, oil strainers, oil reservoirs, valves etc.



## ECOLOGY UNITS:

### SMOKE DIGESTER:

These are the special units used for the removal of dust grease and smoke before its release from the smoke affected areas such as industrial kitchens, restaurants, shisha cafes etc.

### ELECTROSTATIC PRECIPITATOR:

Our unit posses latest honey comb design which gives higher performance and long lasting efficiency. The unit has larger sectional area which helps to lower electric field air velocity and hence achieves higher removal efficiency. These units are suitable for outdoor installation and available with powerful automatic cell washing system.

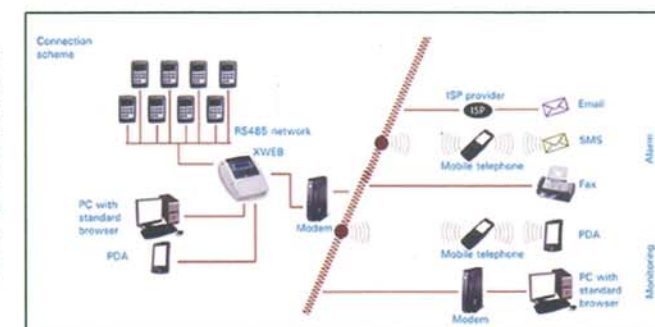


## DOMESTIC WATER COOLING SYSTEM:

Alfa Plus provide complete stand alone solution for cooling the domestic water tank using Plate type Heat Exchanger and tapping from existing chilled water network. We can even provide chiller as a source of chilled water, for direct cooling of domestic water.

## MONITORING SYSTEM:

Alfa Plus provides the complete monitoring, recording and controlling system for cold room and temperature controlled atmosphere. This system monitors and record the data, alarms of the instruments connected. Alarm management can be defined by the user with visible signals, a relay switching or remote transmission via Fax, E-mail or SMS. The recorded data can be viewed or printed in tabular or graph form.



## ALFA PLUS SOLUTIONS

We at Alfa Plus can offer supplies of refrigeration solution for Frozen Food, Ice Cream, Process cooling, poultry, meat, dairies, milk products, iced and cold water, cold stores and custom made Refrigeration solutions for special applications such as Yogurt chilling, garlic and onion store, banana ripening and store. Alfa plus also supplies humidifiers and dehumidifiers as well.