

















































CRESCENT CORPORATION

OUR INTRODUCTION

Crescent Corporation was established in 1986 as a small company importing copper tubes. Since that time, we have developed ourselves into one of the leading trading and distribution companies in Pakistan for HVACR industry. We are now representing some of the most reputed brands in the industry providing excellent quality and most technological equipment and raw material.

OUR VISION

To be the most successful and best enterprise to supply the quality and technologically most advanced HVACR Raw Material, Components and Equipment.

MISSION STATEMENT

The objective is to serve our valuable customers with best solutions in HVACR industry at a reasonable cost; keeping the ethical values intact; to remain honest and loyal to our principals and to grow positively with the ever growing HVACR market of Pakistan.

We are specialized into following business areas

- HVAC Projects
 - Commercial & Industrial Refrigeration
 - Spare Parts & Aftersales Market
 - Household Appliances & HVACR Equipment Manufacturers





CRESCENT CORPORATION

WHY CRESCENT CORPORATION

- Since 1985
- One Stop Solution for OEMs, Aftersales Service Centers, Contractors, Builders etc.
- ◆ 15,000 SQM Warehousing facilities
- Fully Integrated ERP System capturing real time information
- Strong relationships with OEMs, Consultants and Contractors





















Our Streamline® brand has set the standard of excellence for over 100 years. Streamline® ACR Copper Tube is cleaned in proprietary multi-stage process, and Nitrogenized to provide maximum protection against the formation of harmful oxides. The tube is sealed with Rubber Plugs to maintain the cleanliness from the factory to job site.



STREAMLINE ® COPPER TUBE AND FITTINGS

- Medical Gas Tubes ASTM B-819 and EN 13348 (UK)
- ► Air Conditioning & Refrigeration Tube ASTM B-280
- Plumbing Tubes ASTM B88
- Straight Lengths
- **Dehydrated Refrigeration Coils**
- ▶ Diameters from 1/8" O.D. 8 1/8" O.D.
- Extensive range of fitting types available



















Honeywell

REFRIGERANTS

Honeywell is a global leader in developing and manufacturing high performance fluorine products such as zero ozone depleting refrigerants used by top air conditioning and refrigeration makers. Honeywell is an established technical leader in the development of the '4th Generation' (HFO) of fluorine-based refrigerants for the commercial and industrial refrigeration industry worldwide.

- R410A for all VRF and Residential Air Conditioners
- R134A for all Chillers, Domestic Refrigerators and Chest Coolers, Automobile Sector
- R404A for all Refrigeration Installations
- R22 , R407C and R407F

Honeywell is the forerunner to develop new refrigerants which have low GWP to replace the traditional R134A, R404A and R410A high GWP refrigerants.

Solstice® ze Refrigerant (HFO-1234ze)

is a sustainable alternative to traditional refrigerants (R134A) for energy-efficient chillers and/or commercial air conditioning in supermarkets and commercial buildings.

◆ Solstice® yf Refrigerant (HFO-1234yf)

is a sustainable alternative to traditional refrigerants (R134A) for automobile sector.

◆ Solstice® N40 Refrigerant (HFO-R448A)

is an HFO blend designed to replace R-404A in low and medium temperature applications in supermarkets.











COPPER & CAPPILARY TUBE INNER GROOVED COPPER COPPER STRAIGHT LENGTHS COPPER FITTINGS ALUMINIUM TUBES

Golden Dragon Group is the most advanced base for precise copper tube material research, development and technology innovation. The headquarter of Golden Dragon Group, located in Xinxiang in an area of 1,060,000 square meters, owns seven major copper tubing plants in China one in Mexico and one in the USA. Golden Dragon carries a capacity of over 600,000 Tons a year which makes GD the biggest copper tube manufacturer in the world achieving total sales of 5.5 Billion US dollars in 2012.





GD Copper offers the widest range of products from 4mm OD to 250mm OD.

- Copper Tubes
 Pancake Coils
 - Plain Copper LWC & Inner Grooved Copper Tube
- Straight Copper Lengths for ACR and Plumbing Applications
- Capillary Tubes
- Copper Fitting
- Copper Fin Tubes
- Plain Aluminum Round Tubes in LWC and PCC
- Straight Groove Tubes
- Inner Grooved Tubes in LWC
- Parallel Flow Flat Tube
- Single Hole Flat Tubes
- Microchannel Tubes









Cold Drawn/Hot Rolled/Hot Expanded Line pipe for Commercial buildings, Firefighting, Chilled & Hot water pipelines, Oil & GAS industry as per API 5L/ASTM A106 / ASTM A53 are our main products.

Pacific





SEAMLESS BUTT WELD FITTINGS

COMPLETE RANGE OF SEAMLESS BUTT WELD FITTINGS FROM 1/2" TO 30"





MALLEABLE IRON FITTINGS

COMPLETE RANGE OF MALLEABLE IRON FITTINGS FROM 1/2" TO 6"













GALA VALVES

GALA company offers a wide range of products and systems in the field of valves, piping, and seismic isolation

Products

- Fire Protection Valve
- Balancing Valve
- Butterfly Valve
- Gate Valve, Globe Valve, Check Valve, Ball Valve
- Strainer
- Flexible Rubber Joint
- Flexible Stainless Steel Hose, Expansion Joint

Applications

- Water supply system & water treatment
- Food Industry
- Chemical Industry
- Cement Industry
- HVACR Industry
- Petrochemical Industry
- Pharmaceutical Industry
- Large Scale Industrial Units































We are **Italian manufacturers** who have been building the future of HVACR solutions since 1961. By working together and learning together, we change and innovate every day: it is a vital flow that pushes boundaries and allows us to constantly look one step ahead into the future. We remain committed to our mission: to ensure total quality so that we can improve the comfort of the spaces we live in.

At Caleffi, we have been striving for excellence for 60 years, developing new applications for private and industrial plant engineering on a daily basis. We study together, design together and offer the best results in more than 90 countries.

At Caleffi, we don't go with the flow, we are the flow. The flowing expertise that gives the right climate to life.

- Pre-assembled kit for terminal units
- Thermostatic regulator for automatic balancing of recirculation loops in domestic hot water distribution systems
- Electronic mixing valves
- Pressure reducing valves













Casals Ventilation is a biggest manufacturer of industrial & commercial fans with two production plants located in Barcelona, Spain.

PRODUCTS

- Building Technical Ventilation
- Industrial Ventilation
- Electrical Accessories
- Mechanical Accessories

APPLICATIONS

- Shopping Malls
- Hotel Industry
- Cinemas
- Farms
- Ventilation of Industrial Buildings
- Hospitals
- Housing
- Domestic Garages
- General Ventilation
- Pneumatic Transport
- Parking Smoke Exhaust
- Machine Cooling
- Paint Booths
- Forges
- Laboratories Exhaust
- Industrial Kitchen Hoods
- Barbeques
- Corrosive Environments
- Inflatables
- Special Applications

ROOF FANS





HEAT RECOVERY VENTILATION UNIT





RESIDENTIAL FANS



AXIAL FAN

CENTRIFUGAL FANS









INLINE FANS





FLEXIBLE AIR DUCTS FLEXIBLE CONNECTORS

AFS FLEXIBLE DUCT Co. is the leading manufacturer of HVAC products. AFS has committed itself to providing the highest quality ventilation products, as well as constant excellent services, and the most effective solutions for the HVAC market. Working with the motto, "Motivation for Ventilation", the corporation supplies Flexible Air Ducts, Air Disc Valves, Grills, Diffusers, HVAC Accessories, Fans, Air Curtains, Heat Recovery Units and many more registered and internationally certified products.

Hall of the state of the state

Flexible Air Ducts

Flexible Air Ducts are specifically produced for low and medium pressure heating, cooling, ventilation, exhaust, and air conditioning systems. AFS has a wide range of Flexible Ducts suitable for various applications like Hotels, Hospitals, Petro-chemical Factories etc.

- Insulated Aluminum Flexible Air Duct (Fire Resistant BS 476 Part 6 & Part 7 certified)
- Non-Insulated Aluminum Flexible Air Duct
- Insulated Polyester Flexible Air Duct



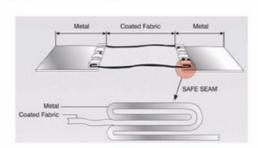
- Easy to store and transport
- Low installation cost
- High resistance to wear and tear
- Airtight
- Low operation and maintenance costs



Flexible Connectors

AFS Connectors are specifically designed to for HVAC applications and are used to connect mechanical equipment and rigid air duct.

AFS Connector can be produced with **PVC**, **Neoprene**, **PU**, **Silicone** or **Canvas**.



AFS Connector Locking System







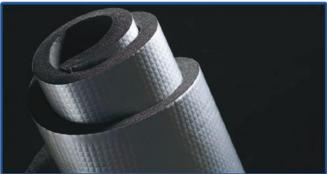


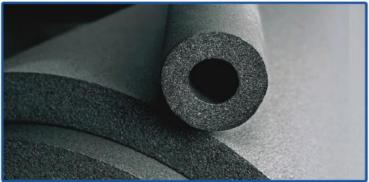
CLOSED CELL INSULATION, FABRIC AIR DUCT & SOUNDLINER

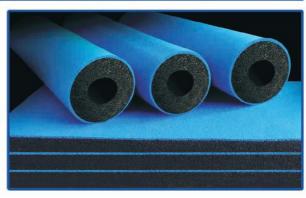
DURKEE is a multi-national high tech enterprise with focus in the HVAC/R industry. Durkee has established 4 manufacturing and R&D centers (America, Wuhan and Guangzhou in China and Asia), more than 20 branch offices and hundreds of Distributors worldwide, serving countless clients around the world. All products are BS 476 CLASS O certified, FM Approved Green Guard Gold and UL 94 listed.

- DURKFLEX
- TERRANFLEX
- FIBERFLEX
- DURKDUCT













































KIMMCO MEANS INSULATION!

Kimmco Isover (A company of Saint-Gobain), a world leader in fiber glass insulation provides insulation solutions for HVAC, Building (walls, floors, metallic Buildings) and technical/industrial applications. With an annual production capacity of 35,000 MT, KIMMCO is certified to ISO 9001, ISO 14001 and OHSAS 18001, and is compliant with ISO, ASTM, DIN, BS and other international standards. KIMMCO insulation products contribute to green building and sustainability requirements of projects to achieve points for LEED and ESTIDAMA Certification.



Products

- KIMMCO Duct Insulation
- KIMMCO Building Rolls
- KIMMCO Building Slabs
- KIMMCO Sound Liner
- KIMMCO Rigid Pipe Covering
- Climaver

Applications

- Thermal and Acoustic Insulation of all Buildings walls, roofs and concrete floors
- Thermal Insulation of Industrial Applications like Boilers, Ovens, Refrigerators, Storage Tanks, Marine and Road Transport
- External Insulation of round and square Ducts and Air Handling Equipment's
- Sound Insulation of Ducts
- Thermal Insulation of Steel, Copper and Plastic Pipes operating in temperature up to 230 °C (450 °F)



- Enhanced Thermal Comfort
- Superior Acoustic Comfort
- Fire Safe Insulation
- Environmentally Friendly









Thermobreak® is the leading and most innovative polyolefin foam thermal insulation available to the HVAC and Building industry worldwide. Thermobreak's® performance is unsurpassed. Developed in Australia over 30 years ago, Thermobreak® is manufactured using our proprietary physically crosslinked closed cell polyolefin foam technology, invented and commercialised by the Sekisui Chemical group in Japan. Laminated with reinforced foil and adhesive backing, Thermobreak® is widely recognized as the global leader in polyolefin insulation.

PRODUCTS

- Duct Thermal Insulation
- Pipe and Tube Thermal Insulation
- Pre-Cladded External Insulation
- Acoustic Insulation

CERTIFICATIONS

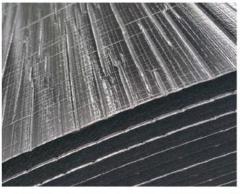
- BRITISH (BS 476 Class 0)
- ASTM E 84, UL 723 (25/50)
- EUROPEAN STANDARD EN 13501-1 (EUROCLASS)
- 🔷 AUSTRALIAN (AS 1530.3)
- ◆ ISO STANDARD (ISO 5659-2)



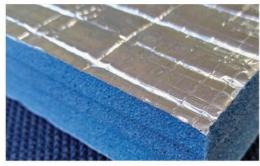




























BRAZING, SOLDERING AND WELDING ALLOYS AND FLUXES

The Harris Products Group has been manufacturing quality braze filler metals in the United States for over 50 years. They are the leaders in developing brazing and soldering products to meet the industry needs for new metal joining methods.

Products

- Phos Copper Alloys
- High Silver Alloys
- Copper & Aluminum Based Alloys
- Mild Steel and Carbides
- Solders
- Brazing Rings
- Fluxes



Applications

- HVACR Appliances
- Automobile and Transportation
- Plumbing
- Tube Manufacturing / Maintenance Works
- Ship Building
- Carbide / Mining Tools
- Military
- Construction / Heavy Equipment
- Electronics
- Oil and Gas



Stay Brite







REFRIGERATION OIL

Suniso refrigeration oils from Belgium are the market leader.

- Chemical & Thermal Stability
- Low Wax Content
- Low Pour Point
- Proper Viscosity
- No Contamination
- Compatibility with the refrigerant

Mineral Suitable for R11, R12, R22, R290, R600A and Ammonia (NH3)

- SUNISO GS (hydrotreated naphthenic)
- SUNISO SA (paraffinic)

Synthetic Suitable for R134A, R404A, R407C, R407A, R410A and R234fa

- SUNISO SL (POE)
- SUNICE EF 68 (POE)
- SUNISO AKB 68/100 (AKB)
- SUNICE PB 100 (PAG)

Accessory Product

◆ VACUUM PUMP OIL (mineral paraffinic)













www.interdryers.com

COPPER FILTER DRIER

The Interdryers company has been the leading manufacturer of high side copper filter dryers, strainers and low side accumulators for the last many years.

Refrigerants R134A, R404A, R600A, R290

Applications

- Domestic Cabinets
- Commercial Freezers
- Bottle Coolers
- Water Coolers

- Chest Freezers
- Refrigerators
- Air conditioners
- Ice Making Machines







SEMIHERMETIC COMPRESSORS AND CONDENSING UNITS

Dorin Semihermetic Compressors 0.5 to 180 HP

Dorin condensing units

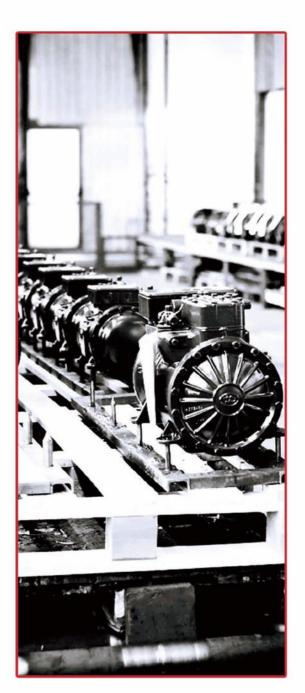
Dorin have got a wide application envelope for our condensing units making it an appropriate product for high ambient conditions like 48°C.

Capacity: 0.5HP to 40 HP

Application: Both for Low Temp and Medium Temp Applications **Scope:** CDUs with Single Stage and Two Stage Compressors









COPELAND

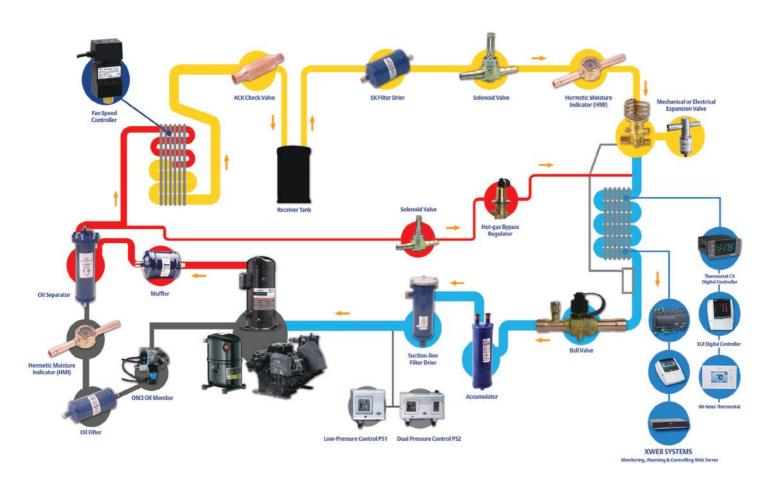
Full Range of Reciprocating and Scroll Compressors for Air Conditioning and Refrigeration Application

- ZR Commercial Scroll Compressors
- ZP Large Commercial Scroll Compressors
- ◆ Copeland Scroll[™] Variable Speed Scroll with inverter drive
- ZB Scroll Compressors for Medium Temperature
- ZF Scroll Compressors for Low Temperature
- Reciprocating Compressors for Mini-Split Air Conditioners
- Integral Horsepower Reciprocating Compressors for Refrigeration



COPELAND

COPELAND CONTROL SOLUTIONS















COMMERCIAL & INDUSTRIAL UNIT COOLERS AND DRY COOLERS

LU-VE is providing solutions for Freon, Ammonia, Glycol and CO2 applications. LU-VE's 1000 SQM R&D is the biggest in Europe and giving LU-VE an edge over its competitor.





TRANSPORT REFRIGERATION STATIONARY REFRIGERATION INDUSTRIAL REFRIGERATION

Zanotti is a market leader in designing and manufacturing Refrigeration units and is a Daikin group company.

- Transport Refrigeration
- Stationary Commercial Refrigeration
- Industrial Refrigeration

PRODUCTS SUITABLE FOR ALL TRANSPORT REFRIGERATION APPLICATIONS



PRODUCTS SUITABLE FOR ALL INDUSTRIAL REFRIGERATION APPLICATIONS























CONTROLLED ATMOSPHERE (CA) EQUIPMENT FOR FRUITS AND VEGETABLES

Fruit Control Equipment's is a leader on the international markets in the field of controlled and generated atmosphere for refrigerated storage of perishable products like fruits and vegetables.

Equipment

- CO2 Scrubbers
- Nitrogen Generators
- Catalytic Converters
- Humidifiers
- Table Grape SO2 Solution
- Ripening and De-Greening Systems







PROGRESS / POIOPIast

INTRODUCTION

POLOPLAST is an international supplier of plastic pipe systems, compounds and polymer engineering products. It focuses its activities on the field of plastic pipe systems for building engineering, water supply and sewage. In building engineering, special emphasis is given to pipe systems for modern domestic installation systems, energy-efficient building and drinking water. In the field of civil engineering, POLOPLAST is a partner of organizations that provide infrastructure, water supply and sewage, as well as pipe ducting. The compounding sector develops and manufactures innovative special compounds for the company's own needs, as well as for the plastics processing industry. POLOPLAST specializes in powerful, long-standing and recyclable pipe systems with a large innovative share, and is one of the leading manufacturers of high-quality plastic pipe systems using the multi-layer technology.

APPLICATION

The POLO-KLIMA pipe system made of PP-R offers a non-corroding and long-standing solution for conveying water in enclosed cooling water systems for residential and commercial buildings, such as hotels and shopping centers, as well as for technological cooling purposes in industrial buildings.



1. POLO-UV system for outdoor application

- ◆H&C potable water distribution
- Boiler and water tank connection
- Condenser lines from cooling towers
- Irrigation
- ◆ Dimension 20–150 mm

2. POLO-KLIMA system for HVAC applications

- Connection lines to AC vans
- Connection lines to chiller
- Process water cooling
- Connection to cooling towers
- ◆ Dimension 20–355 mm

3. POLO-ECOSAN system for H&C applications

- Potable water distribution
- Connection to boiler
- Manifold constructions
- Water tank connection
- Risers, single feeding lines
- ◆ Dimension 20–355 mm







COMPRESSORS FOR DOMESTIC & LIGHT COMMERCIAL APPLICATIONS



Huayi Compressor Co., Ltd. was founded in 1990, located in Jingdezhen, China, and it is the largest compressor manufacturer in the world. It specializes in the production of hermetic compressors for Household and Commercial Refrigeration under the brands "HUAYI" and "CUBIGEL".

Household Compressors

Displacement: 2.5cc - 11cc Capacity: 55W - 365W Refrigerants: R600a, R134a



Displacement: 3cc - 38cc

Capacity (LBP/LMBP): 135W - 1500W Capacity (HMBP): 325W - 5000W

Refrigerants: R290, R404a, R134a, R600a, R1234yf



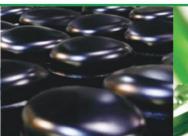




- Refrigerators
- Commercial Freezers
- Glass Door Cabinets
- Bakery Display Cabinets
- Vending Machines
- Chest Freezers
- Water Dispensers
- Water Coolers
- Ice Makers
- Upright Commercial Freezers













ROTARY COMPRESSORS FOR RAC FROM SHANGHAI HITACHI

Shanghai Highly Electrical Appliances Co., Ltd established in January 1993 as a joint venture company between Shanghai Highly Group (75%) and Hitachi Appliances Inc. (25%). Shanghai Hitachi is having five factories with an accumulative production capacity of 30 Million units a year. The global Innovation R&D Technology centers are located in Shanghai, Nanchang, Guangdong, Delhi, Milan, Tokyo and Chicago and are continuously providing customer support and service. By May 2010, the cumulative production capacity of SHEC reached over 100 million units; SHEC is the first one to achieve this target. Today HIGHLY group has already offered energy-saving compressor for household and light commercial application in 165 countries of the world.

Refrigerants: R410A, R22, R407C, R134A, R404A, R32, R290A

Capacity: 0.3 HP - 20 HP

Scope: Fixed Speed, High EER and Inverter Compressors.

SHEC is now extending the scope of their products by manufacturing compressors for various applications.

Applications

- Residential Air Conditioning
- Commercial Air Conditioning
- Refrigerated Vans
- Electrical Cars
- Caravan Air Conditioners
- Water Heat Pump Systems
- Floor Heating
- Washer / Dryer

SHEC's domestic market share has reached 20% within consecutive 6 years and the global market share is 16%. SHEC has been exporting rotary compressors to Japan, Southeast Asia, Europe, North America, Mid East, India and Africa. SHEC has been qualified with ISO9001, ISO14001 and OHSMS Certification. SHEC is investing a lot to come up with new energy efficient solution.











ELECTRIC MOTORS FOR REFRIGERATION

ELCO is a world leader in the 4 pole sub fractional shaded pole motor business and among the largest European PSC and ECM fan motor manufacturers. ELCO is a part of Regal Beloit Group.

ECM Motors

The efficiency of Electronic Commutated Motor is higher than the traditional motor granting an energy saving up to 80% of the power consumption with consequent CO₂ emission reduction.

- Single and Double factory set speed: 600 2200 RPM
- High Efficiency: 63% 72%
- Protection Class: IP65 and IP66
- Working Ambient Range: -40°C to +60°C
- Insulation Class: B
- Life Expectancy of 60,000 hours
- Possible coupling with Axial fans with diameter 154 to 300mm

Shaded Pole Motors

- Capacity: 5 Watt 34 Watt
- Protection Class: IP20, IP42 and IP44
- Insulation Class: B
- Working Ambient Range: -40°C to +40°C
- Self-lubricating and Self-aligning Sleeve Bearings
- All Models are Impedance and thermally protected.

















AXIAL FAN MOTORS

Pacific Axial Fans are available in both – Single Phase and Three Phase with Suction type and Blowing type air throws.

- Available Range: 200mm 910mm
- ◆ Application Ambient Temperature: -40°C − 60°C, making fans suitable for condensers and evaporators
- Average Working Life: 30,000 hours
- Blades are made of Steel plate, coated in black, welded directly to the rotor of external rotor motor
- Blades are balanced dynamically and statically according to quality G6.3.



- Condensing Units
- Unit Coolers
- Dry Coolers and Water Cooled Condensers
- Milk Cooling Tanks
- Air Conditioning Units
- HVAC Applications

WEIGUANG SHADED POLE MOTORS

- Chest Coolers & Unit Cooler
- Deep Freezer
- Condensing Unit
- Display Cabinets















PACIFIC REFRIGERANTS BY SINOCHEM LANTIAN

Pacific Refrigerants is a leading brand of Refrigerants in Pakistan. It is manufactured by world's biggest producer of fluorine chemicals, Sinochem Lantian Co., Ltd. Sinochem enjoys a 22% global market share of Automobile and 23% global market share of A/C and Refrigeration Market.

Products:

- R134a
- R410a
- R407C
- R410A
- R22
- R600
- R290
- R32



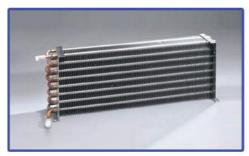


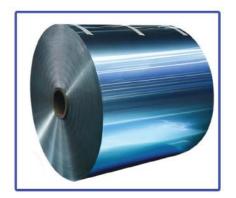






ALUMINIUM HYDROPHILIC FOIL



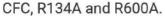






Roll Bond Evaporators From Fengrun Group

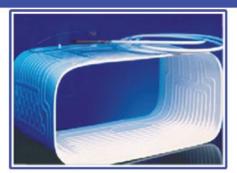
Aluminum Roll Bond Evaporators from Fengrun Group are compatible with all kinds of refrigerants



2" x 45 M (50MM x 4500)

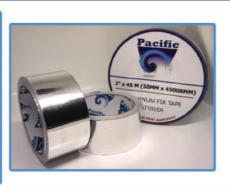








ALUMINIUM ADHASIVE FOIL TAPE









VIBRATION ELIMINATOR

The function of vibration absorber is to eliminate vibrations and noises compressors generates, and reduce stresses linked with piping thermal expansion in refrigeration and air conditioning systems. It has the following important features



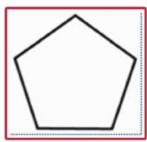


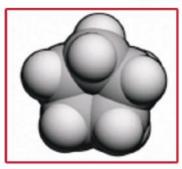


CYCLOPENTANE

Throughout the world, rigid polyurethane foam is one of the most widely used insulating materials for domestic freezers, refrigerators and PU & PIR Panels where R141B is used as the Blowing Agent. The technology for R141B replacement in insulating foam for the domestic refrigerator and freezer sector is currently undergoing rapid development.

CYCLOPENTANE has emerged as the most promising blowing agent for polyurethane insulation used in domestic refrigerator and freezers. We are keeping us updated with the modern technologies and hence supplying CYCLOPENTANE to different OEMs. We are sourcing it from Korea and China.





Asian First Brand®

www.crescentcorporation.com.pk

REFRIGERATION TOOLS

The quality of the tools from Asian First Refrigeration Corporation Taiwan is recognized and appreciated by all the customers across the globe.

- Testing Manifold
- Charging Hoses
- Single Gauges
- Pinch off Plier
- Riveter
- Flaring Tool
- Tube Cutter
- Tube Bender
- Hand Valve
- Filter Drier
- Split AC Valve
- Quick coupler





