



Complete Air Management Solutions

ABOUT THE COMPANY

GVS is primarily a manufacturing and project company in the field of Heating, Ventilation and Air Conditioning. We have dedicated teams for Manufacturing and Projects independently working together in a very close knit, to accomplish projects in the smoothest of the manner. Our team shows strengths in delivering the projects on defined targets following the best of the project management practices. We design, supply, install and commission projects in the field of air conditioning, air cooling, heating and ventilation systems. Our Esteemed Global clients from Japan, Korea, India, America and other parts of the globe, mainly work in the field of automobiles, automobile components, textile, pharmaceutical, food & beverages, appliances and hospitality industry.

GVS offers solutions to its customers keeping in mind the Motto "WE SAVE ENERGY". It undertakes turnkey projects which involves activities into:

Design, Supply, Testing and Commissioning of Project Systems

Design & Engineering Consultancy Services

Manufacturing of Equipments like Single Stage and Two Stage Air Washer Units, Air Handling Units, Kitchen Scrubbers, Industrial Air Coolers and Dehumidified Wardrobes.

Air Purification Systems

GVS is also involved in a specialised field of Refrigeration and is competing well in the same industry for products like Territory Delivery Units, Deep Freezers, Freezer on Wheels and Water Coolers. In this field we work primarily for domestic and international ice cream manufacturers, frozen vegetables, frozen meat and dairy product companies.



OUR VISION

We believe in fundamental engineering technology, Industrial development, collaboration, diversity in business and contribute our significant presence.

We wanted to become a renowned global engineering company with innovative employees & stake holder involvement.



MISSION

Our mission is to provide honest and helpful working environment to all stake holders where every individual is committed to provide excellent workmanship & services with professional integrity.

Multi Stage Cooling Unit



"Greenoz" eco-friendly Air Cooling Experts, brings you Unique, energy-efficient and eco-friendly cooling solutions, based on indirect direct evaporative cooling technology. With indirect evaporative cooling, a secondary air stream is cooled by water. The cooled secondary air stream goes through a heat exchanger, where it cools the primary air stream. The cooled primary air stream is circulated by a fan. Indirect evaporative cooling does not add moisture to the primary air stream.

"Greenoz" Multi Stage Units using natural refrigerants that enhance the use of improve sustainability and offer energy efficiency cooling system. Our products can heat, cool, humidify, bring in fresh air to maintain indoor air quality, do heat recovery and improve energy savings with a short payback period.

Capacity : 3,000 to 80,000 CFM

Applications

Public Places : Cinema Halls, Auditoriums, Banquet Halls, College Buildings, Religious Buildings, Municipal Halls, District Admn. Buildings, Community Centers.

Institutional Area : Defense Services, Para Military Services, Research Institutions, Para Military Network, Police, Border Security Forces, Bank Buildings, Schools, Colleges, Libraries, Laboratories.

Automobile Industries : Automobile Assembly Area, Automobile Component Manufacturing Area, Mechanical Engineering Labs, CNC Machining Areas, Sintered Carbide Cutting Tools, Packaging Areas, Welding Shops.

Paper Industry : Processing Area, Packing Areas, Spot Cooling For Operators.

Textile Industry : Processing Area, Packing Areas, Spot Cooling For Operators.

Air Washer

It is an evaporative cooling method which uses water as a medium to cool the air. We manufacture wide range of air washers with various capacities

Air Washer Comprises of:

- Centrifugal Fans
- Celullose Pad Type/ Spray Type
- Pre Filters/ Fine Filters
- Single Skin/ Double Skin
- Pump
- Fan Motor
- SS- 304 Water Tank
- PVC Eliminator

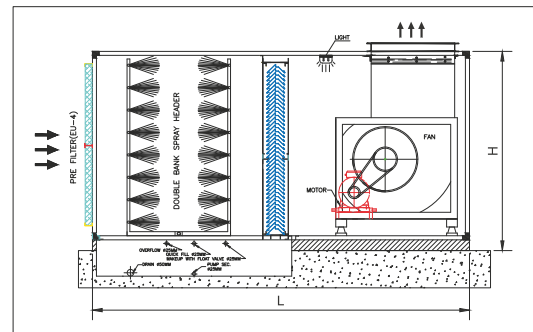


Air Scrubber Unit

Kitchen Scrubber is an equipment which scrubs the fumes generated while cooking in the kitchen. These fumes uses high pressure water from the spray banks to trap the contaminated air separating oil, grease and other particulates from air. These kitchen scrubbers are highly efficient with low pressure drops. We manufacture wide range of Kitchen Scrubbers.

Kitchen Scrubber Comprises of :

- Centrifugal Blower with Motor
- Intake Louvers
- GI Spray Header Banks with PVC/Brass Spray Nozzles
- SS – 304 Water Tank
- PVC Eliminator
- Single Skin/ Double Skin



Floor Mount AHU

We manufacture wide range of AHU's. We Design our AHU's with a rigid frame work design for better strength. All profiles used are corrosion free. We have in house PUF injection where each panel is injected with CFC free polyurethane foam upto 40kg/cu density. The drain pan made of SS-304, and insulated on out side with closed cell insulation.

Air Handling Unit Comprises of :

- Centrifugal Blower / Direct Drive Fans
- Cooling Coil/ Heating Coil
- Pre Filter/ Fine Filter/ Hepa Filter
- Thermal Break Profiles
- Face and Pass Dampers
- Air Mixing Chambers
- Single/ Double Skin
- Floor Mounted



Kinds of Unit



Horizontal Unit



Vertical Unit



Ceiling Suspend



Exhaust Unit



Fresh Air



Faarma Unit

Polymer Plate Heat Exchanger

Greenoz has a cross flow polymer plate heat exchanger, removing sensible heat from air reducing the dry bulb (DB) & Wet Bulb (WB) temperatures to achieve high thermal efficiency with the our unique plate design which creates good turbulence even at low velocities. Outdoor & Exhaust air plates ensures the air tightness while transferring the heat. It has no moving parts and so its more reliable and ensures longer service life.

Advantages

No refrigeration used – environment friendly, Reduces power, Reduces water consumption, Total separation of Fresh & Exhaust Air streams Complete Joint sealing, No cross contamination, Anti-fungal, Anti-bacterial coating, Vertical or Horizontal construction available, High grade polymer,





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ENERGY EFFICIENT FREEZERS & COOLING SYSTEM



FREEZER ON WHEELS



TRANSPORT DELIVERY UNIT



DEEP FREEZER



WATER COOLER



COLD ROOM



FREEZER ON WHEELS



CUSTOMIZED TRANSPORT DELIVERY UNIT (EUTECTIC TYPE)

Presenting Pre-Charged / Refrigerated Transport Delivery Units For Tertiary Frozen Distribution.

Technical Specification

- 8-12 hours charging period
- 12-15 hours holding period
- 90 / 70 mm PUF Panels
- Compressor - Seabird / Emerson
- Single Phase / Three Phase
- Enhanced Appearance & Robust Construction
- Corrosion-resistant Pre-coated GI Cabinet
- Pre-coated Outer Body for Long Life
- Top & Door in SS / Pre-coated Sheets
- Castor Wheels (Optional)
- Pre-printed Vinyl (Optional)
- Customization Available (As per requirement)



36 Crate : Size - 83 (L) x 53 (W) x 54 (H) Inches

Technical Specification	
Storage Capacity	2500 Ltrs / 88 CFT
Test Conditions	-30°C @ 45°C Ambient
Puff (polyol + ISO)	70 / 90 mm
Doors	7 / 11 Nos
Compressor	Seabird / Bitzer
Refrigerant	R-404a
Power Consumption	1.5 Unit/Hour
Current	9 - 7 Amps
Phase	Single Phase / Three Phase
Approx Unit Weight	800 - 850 Kgs
Charging Time -18°C to -25°C at 43°C ambient	8-10 Hours
Distribution / Holding Time	10-12 Hours
Media	Glycol / PCM
Designed for	Tata Ace / Mahindra Pickup / Any Other Equivalent Vehicle





36 Crate : Size - 83 (L) x 53 (W) x 59 (H) Inches



36 Crate : Size - 83 (L) x 53 (W) x 59 (H) Inches



12 Crate : Size - 60 (L) x 37 (W) x 43 (H) Inches



FREEZER ON WHEEL



Technical Specification

Storage Capacity	120 Ltr
Test Conditions	-28°C @ 45°C Ambient
Dimension	970 x 640 x 705 mm
Tank Size	440 x 460 x 560 mm
Puff (Polyol + ISO)	70 / 90 mm
Door	SS / PPGI
Top Sheet	SS 304 / PPGI
Outer Sheet Thickness	24 Gauge / PPGI
Inner Sheet Thickness	GPSP 22 Gauge (Tata / Jindal)
Compressor	1/3 HP (Emerson / LG / Danfoss / Tecumseh)
Current	1.64 Amps
Refrigerant	R-134a / R-404a
Power Consumption	2.2 Units / day (8 hours working)
Charging Time -18°C to -25°C at 43°C ambient	8-10 hours
Media	Glycol / PCM
Approx. Weight	115-125 kg



DEEP FREEZER



Technical Specifications					
Capacity in Liters	110	200	300	400	600
Capacity in CFT	3.9	7	10.7	14.6	21.4
Capacity in Gallons	20	36	54	72	110
Application	Ice Cream	Ice Cream	Ice Cream	Ice Cream	Ice Cream, Non Veg., Frozen
Temp. Range	-18°C to -30°C	-18°C to -30°C	-18°C to -30°C	-18°C to -30°C	-18°C to -30°C
Power Cons. / Per Hour	315 W	340 W	340 W	350 W	650 W
Current (Amp.)	1.64	2.1	2.1	2.2	3

WATER COOLER



Technical Specifications								
Storage	Cooling	Glasses	Suitable For	Watts	H	W	D	Stabilizer
10 Ltrs.	20 Ltrs.	100 per Hour	House, Shop, Office, etc.	275	850 mm	340 mm	340 mm	500 W
20 Ltrs.	20 Ltrs.	100 per Hour	House, Shop, Office, etc.	275	1100 mm	340 mm	340 mm	500 W
40 Ltrs.	40 Ltrs.	100 per Hour	Factory, School, Nursing Home, etc.	275	1240 mm	455 mm	455 mm	500 W
80 Ltrs.	40 Ltrs.	100 per Hour	Hospital, School, Bank, Temple, Petrol Pumps, etc.	575	1215 mm	625 mm	475 mm	1 KW
120 Ltrs.	60 Ltrs.	100 per Hour	College, Hostel, Nursing Home, etc.	875	1150 mm	725 mm	545 mm	2 KW

COLD ROOM



Panel Specifications

Panel Thickness : 60 mm - 200 mm

Panel Finish : PC / SS / GI / SLAB

PUF Density : 40 Kg/m³

Thermal Conductivity : 0.0019 w/mk

Closed cells : 90 - 95%

Operating Temperature : -60°C to +80°C

Fire Resistance : Class B

Skin Colour : RAL 9001 to 9003*

Condensing Unit: Temperature Range +35°C to -60°C

- Condensing Unit is available with Reciprocating (Hermetic and Semi Hermetic), Scroll and Screw Compressors with Air Cooled and Water Cooled Condenser
- Refrigeration Capacity : 1.5 KW to 300 KW
- Refrigerant : R-404a / R-134a
- Compressor Make : Bitzer / Carlyle / Emerson / Tecumseh
- Single Phase / Three Phase
- Designed for High Efficiency and High Ambient Conditions up to 46°C
- Fully Loaded with all Refrigeration Controls and Electrical Accessories
- All Weather Proof Outer Casing (SS / Powder Coated)
- Highly Energy Efficient / Low Power Consumption
- Low Noise Level
- Green & Eco-friendly
- Customised Design
- Auto Defrost System
- Easy to Install, Service & Relocate

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