VOLKERS ENGINEERING

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About us

VÖLKERS ENGINEERING founded in the year 2016 by HVAC professionals. Our Air-Conditioning experts provide key project solutions to enable the fast, effective and reliable installation of any design requirement. **VÖLKERS ENGINEERING**has extensive experience and knowledge of all types of Air Conditioning Systems, from single and multiple split systems to ducted air handlers and VRF/VRV installations.

We are in to design, supply, erection and installation of HVAC systems for commercial and residential applications.. The ultimate aim of establishing **VÖLKERS ENGINEERING** was to serve the customers with outstanding service after sales.

Vision, Mission &Values

Vision: To evolve a brand with essence and to be the recognized performance leader of the Indian air conditioning industry.

Mission: Our goal for Cruise is to be the most respected Indian HVAC company through innovation, encouraging the use of efficient air conditioning in an honest, trustworthy, reliable and an environmentally sound manner.

Values:

- Customer care
- Quality workmanship
- Team work
- Flexibility

VÖLKER'S ENGINEERING

Introduction

We provide solutions for Air-Conditioning to make human comfort. Our best engineering practice is to focus on new technologies. **We offer** HVAC, Mechanical Ventilation, Basement Ventilation, Kitchen exhaust systems. We follow all necessary & safety procedures at each and every project execution.

Our Products

- Chiller for Air Conditioning system
- Split Air Conditioning system
- Cassette type Air Conditioner
- Ducted Split Air Conditioners
- VRF /VRV Systems
- Packaged Air Conditioners
- Low Side Work (Ducting, Plumbing etc.)
- Cold Rooms
- Clean Rooms
- Basement Ventilation System
- Kitchen Exhaust System
- Fresh and Exhaust Air System

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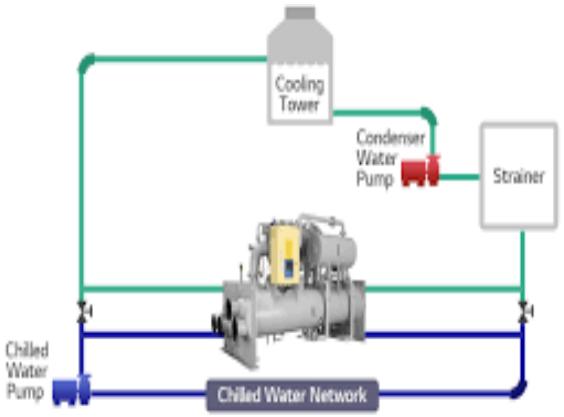
Chillers Air Conditioning

Systems that employ water chillers commonly called chilled water systems. This system makes use of water as its secondary refrigerant. Chiller is used to remove heat from the water which is then circulated through other components to absorb heat from the space.

Chilled water air conditioning systems are commonly used in applications that need large cooling such as hypermarket, industrial process ,commercial air conditioning such as offices & factories.

Air Cooled

Water Cooled



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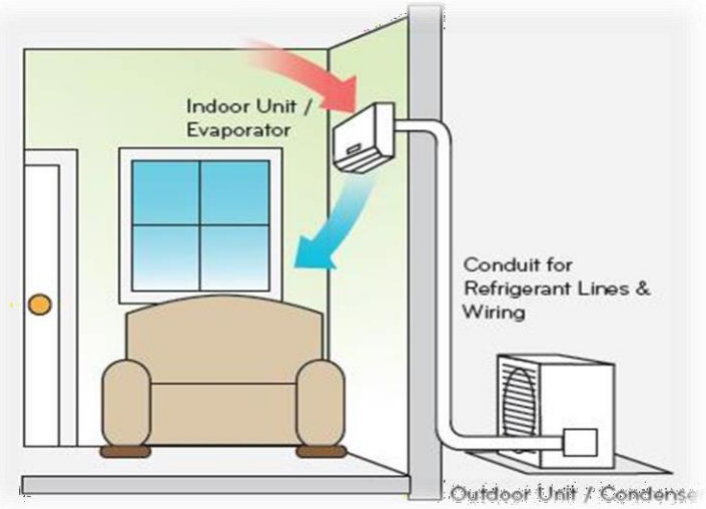
Split Air Conditioning System

The split air conditioner comprises of two parts: The outdoor unit & indoor unit. The outdoor unit fitted out side the room , houses components like the compressor , condenser and expansion value. The indoor unit comprises the evaporator or cooling coil and the cooling fan.



Cassette Air

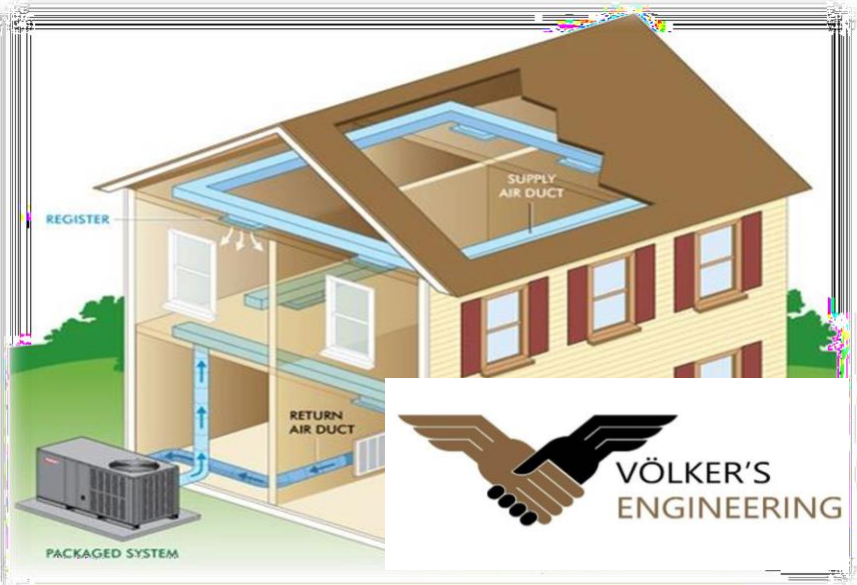
Cassette units work the same way as wall-hung split system units, with the difference being that cassettes are installed into the ceiling instead of on the wall. The indoor unit itself sits flush to your ceiling and distributes conditioned air through two, three or four sides of the unit. The outdoor unit of a cassette air conditioner is mounted outside, in much the same way as it would be for a conventional wall mounted split system unit.

Ducted Split Air Conditioners

A **Ducted Air Conditioning System** provides discreet air conditioned comfort throughout your entire home. ....The indoor unit is concealed out of sight, in your ceiling or under the floor, with flexible ducting distributing conditioned air through vents located throughout your home.

Packaged Air

The window and split air conditioners are usually used for the small air conditioning capacities up to 5 tons. The central air conditioning systems are used for where the cooling loads extend beyond 20 tons. The packaged air conditioners are used for the cooling capacities in between these two extremes. The packaged air conditioners are available in the fixed rated capacities of 3, 5, 7, 10 and 15 tons. These units are used commonly in places like restaurants, telephone exchanges, homes, small halls, etc.



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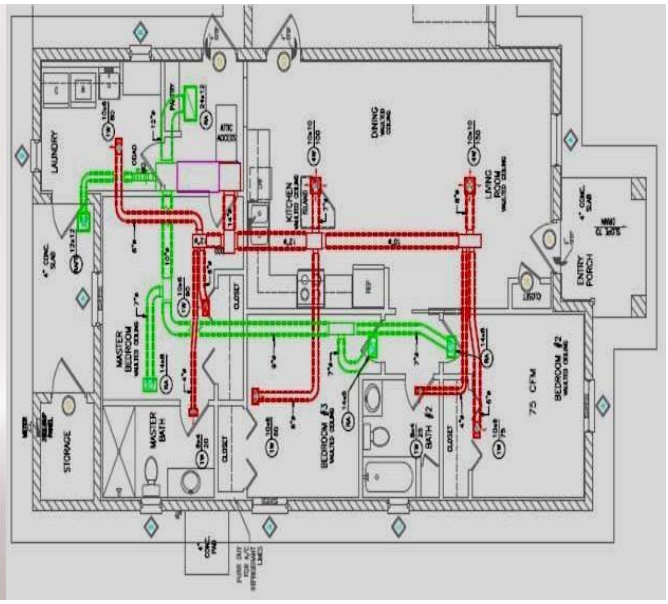
Low side work

- Ducting, Insulation, Acoustic
- Piping, Cladding
- Electrical

Ducting : Ducts are used in heating, ventilation, and air conditioning (HVAC) to deliver and remove air. The needed airflows include, for example, supply air, return air, and exhaust air. Ducts commonly also deliver ventilation air as part of the supply air. As such, air ducts are one method of ensuring acceptable indoor air quality as well as thermal comfort.

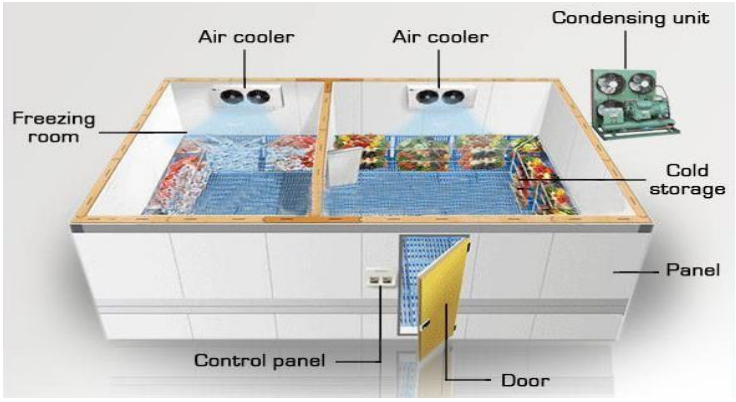
A duct system is also called ductwork. Planning (laying out), sizing, optimizing, detailing, and finding the pressure losses through a duct system is called duct design.



Pipe: A strong, light, noncorrosive pipe made from asbestos fibers and Portland cement and formerly used in construction for water pipe drainage and air ducts.

Cold Room

A cold room is a walk-in storage facility. Safe operation of cold rooms in restaurants, hotel, food shops and supermarkets is crucial for preserving the quality of the stored foods. The application of cold rooms are numerous, including packaging of foods and beverages, short and long term food storage as well as freezing. For each application you need a customized solution to meet the exact demands for refrigeration.



Clean Room

A cold room is a walk-in storage facility. Safe operation of cold rooms in restaurants, hotel, food shops and supermarkets is crucial for preserving the quality of the stored foods. The application of cold rooms are numerous, including packaging of foods and beverages, short and long term food storage as well as freezing. For each application you need a customized solution to meet the exact demands for refrigeration.

Kitchen Exhaust

Kitchen ventilation: **Kitchen ventilation** is the branch of ventilation specialising in the treatment of air from kitchens. It addresses the problems of grease, smoke and odours not found



Fresh Air

Fresh air: Adding **fresh air** to a heating or cooling system accomplishes two primary indoor air quality goals: It pressurizes a building, and increases indoor air quality by diluting polluted or stale indoor air..... The air mixes with the return air, and then is dispersed evenly throughout the building through the supply duct system.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